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LiteAPI Document for NVR

Version: V5.03

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1 Overview

1.1 Purpose

This document details the open LiteAPIs of NVR, calling methods, application scenarios, etc. This document provides a reference for developers who will develop functions based on these APIs.

1.2 Intended Audience

This document is intended for third-party manufacturers and developers engaging in application development based on the capabilities provided by the NVR.

Readers should possess the following skills to fully comprehend the content of this document:

- Proficient computer programming skills. One or more common programming languages such as Java, C++.
- Good knowledge of networking. Proficiency in network programing and familiarity with common protocols such as UDP, TCP, HTTP, RTSP, etc.

1.3 Reading Instructions

In order to quickly understand the API functions provided by the platform and to get started, it is recommended to follow the following sequence to read the remaining content of this document:

- Refer to the Glossary section to gain preliminary knowledge of the terminologies that may appear in the document.
- Refer to the Preparation section for the integration process.
- Refer to the Protocol Overview section to grasp the API invocation methods.
- Refer to the API Overview section to gain a preliminary understanding and insight into the capabilities provided by the platform.
- Read the Programming Guide section to understand the APIs required for the functionalities of each module and the related dispatch process. By following these steps, you can quickly locate specific module interfaces based on integration requirements and understand the API dispatch process.
- Read the API List section and search for APIs by category. By reading the descriptions of the APIs, understand their specific functions and select the ones that are needed.
- Complete coding and application development in accordance with API definitions.

1.4 Glossary

Terminology	Meaning
LiteAPI	Lightweight open interface based on the Restful style of the HTTP protocol.
Http Method	Method of the HTTP request. Commonly used methods include GET, POST, PUT, and DELETE.
Request Headers	Header information in the HTTP request.

HTTP URL	HTTP request path, referring to the part after the domain name/IP (port number). For example, the request address is "http://192.168.1.1:80/LAPI/V1.0/System/Time/NTP", then the URL refers to " /LAPI/V1.0/System/Time/NTP "
RTSP	Real Time Streaming Protocol (RTSP) is a network application protocol designed specifically for entertainment and communication systems to control streaming media service. This protocol is used to establish and control media sessions between terminals. Clients of the media server issue VCR commands, such as play, record, and pause, in order to control media streams from the server to the client (video on demand) or from the client to the server (voice recording) in real time.
RTP	Real time Transport Protocol (RTP) is a network transport protocol, which was published by the Multimedia Transport Working Group of the IETF in RFC 1889 in 1996.

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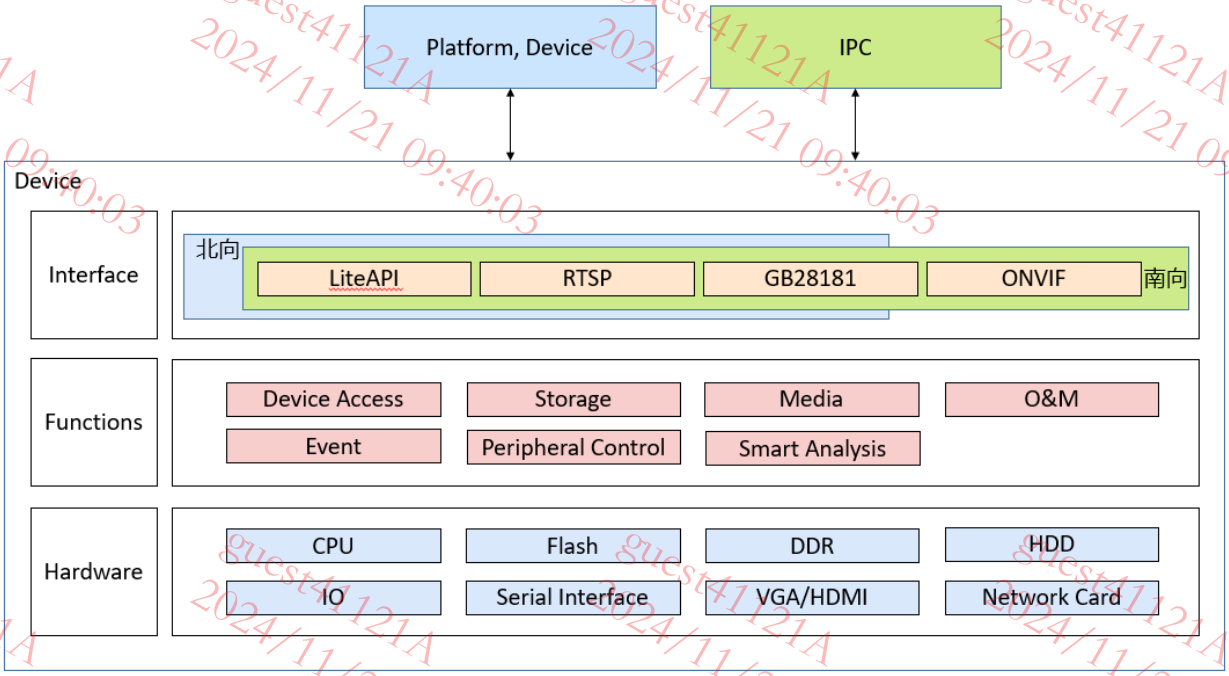
2 Preparation

2.1 Environment



As illustrated in this figure, the device provides hardware service, software service, and users can access the services provided by the device through the interfaces.

The NVR device can connect IPCs through LiteAPI, RTSP, GB28181, and ONVIF. By default Uniview IPCs are connected through LiteAPI (private protocol), other IPCs are connected through ONVIF, GB28181, and RTSP.

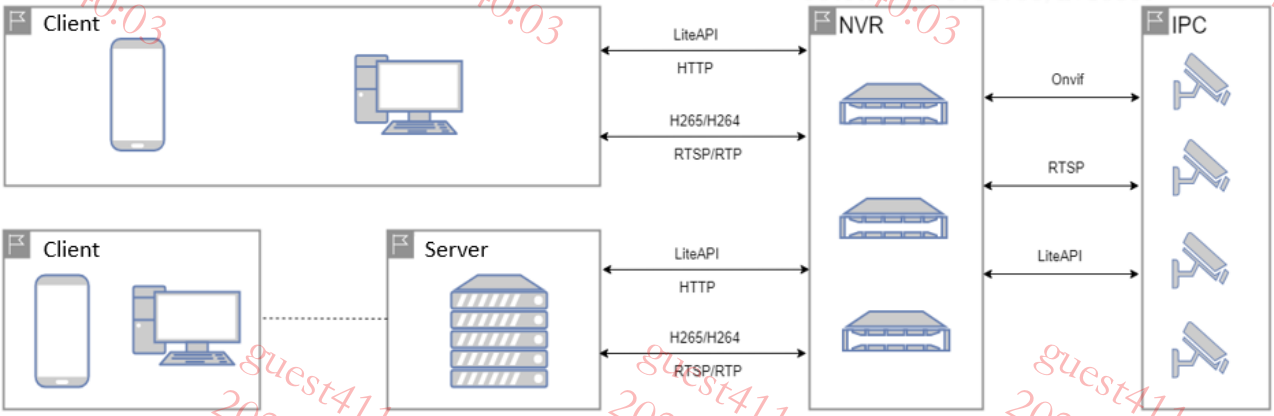
The third-party platform or client can access device services through LiteAPI + RTSP, or through GB28181.

This document mainly describes LiteAPI-based connection. For other connection methods, please refer to the relevant documents.

When users connect to the device through LiteAPI, the device acts as the server and listens to fixed ports (80, 554), and the user program logs in to the device as the client for communication. This requires the device to have a fixed IP address and ensure that client requests can reach the device.

When the client subscribes to events from the device, it is necessary to ensure that the event push messages sent by the device can reach the event receiving server.

The user program functions as an HTTP client to access and configure the device; or as an RTSP client to play the live and recorded video on the device. The HTTP server listens to alarms or events pushed from the device.



Networking Diagram

2.2 Integration Development

Please see Demo.

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3 Protocol Overview

3.1 Interface Rules

Transport Mode	HTTP/TCP,RTSP/TCP, RTSP/TCP/
URL format	/LAPI/V1.0[/Channels/<ID>]/<service-name>/<resource-name>[/<child-resource-name>][/<ID>]][?<key>=<value>] []: Represents a parameter, which can be a string or an unsigned long integer. < >: Represents a video input channel (referred to as video channel for short) of a device. <ID>: Represents the video channel ID, which is an unsigned long integer. <Service-name>: We categorize services into several types, such as system, media, network, etc. <resource-name>: Includes physical resources and virtual resources.
Submission method	GET, PUT, POST, DELETE
Data Format	Both requests and responses are in JSON formats.
Character Encoding	All uses UTF-8 encoding.
Security authentication	HTTP Digest

Supplementary information about URL format:

/LAPI/V1.0/System/Time

Means access the device's time resource.

/LAPI/V1.0/Channels/<ID>/System/Time

Means access the time resource of a video channel whose index number is <ID>.

/LAPI/V1.0/Channels/<ID>/PTZ/Presets

Means access a preset resource. The preset resource is a sub resource of a video channel whose index number is <ID>.

/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>

Means access a preset resource whose index number is ID. The preset resource is a sub resource of a video channel whose index number is <ID>.

3.2 Call Authentication

See Authentication in the Programming Guide section.

3.3 Rules of Return Values

The APIs are called in Json format. The format of the request is as shown below:

PUT /LAPI/V1.0/System/Time/NTP HTTP/1.1

```
{
   "Enabled":1,
   "AddressType":0,
   "Address":"24.56.178.140",
   "Port":123,
   "SynchronizeInterval":60
}
```


- The format of the response is as shown below:

HTTP/1.1 200 Ok


```
{
   "Response":{
      "ResponseURL":"URL",
      "ResponseCode":0,
      "SubResponseCode":101,
      "ResponseString":"Succeed",
      "StatusCode":0,
      "Data":"Null"
   }
}
```


ResponseURL: URL carried in the HTTP request. When the request uses the GET/PUT/DELETE method, the URL in the response is the same as the URL in the request. For a POST request, it is the URL of the newly created object. The client can use the URL to obtain the new object.

ResponseCode: Indicates the system processing result. 0 means success.

ResponseString: Indicates the analysis of system processing results.

Data: Represents the response to a request (GET), often in JSON format. If the URLs are the same, the data format of the PUT request is the same as that of the GET response. The Data item in the following tables lists the data of each API. If the server processing fails, the data will be “null”. If the HTTP request uses the PUT/POST method, the data in the response will be “null”.

3.4 Public Return Codes

3.4.1 HTTP Error Codes

200 Normal: Request completed.

201 Normal: Followed by POST command.

202 Normal: Request has been received and is still being processed.

203 Normal: Partial info -- Only partial info was returned.

204 Normal: No response -- Request has been received, but there's no response to be returned.

3xx Redirect

301 Moved - The requested data has been moved to a new location permanently.

302 Found - The requested data is temporarily located at a different URL.

303 See Other - Please refer to another URL, where the response to the request can be found, and GET should be used to retrieve the response.

304 Unmodified - The document was not modified as expected.

305 Using Proxy - It is necessary to access the requested resource through the proxy provided in the URL.

306 Unused - No longer in use; this code is kept for future use.

4xx Client Error

400 Bad Request - The request contains a syntax problem or cannot be fulfilled.

401 Unauthorized - The client is not authorized to access the data.

402 Payment Required - Indicates that the billing system is operational.

403 Forbidden - Access is forbidden, even with authorization.

404 Not Found - The server cannot find the requested resource; the document does not exist.

405 Method Not Allowed - The requested resource does not support the corresponding request method.

406 The client browser does not accept the MIME type of the requested page.

407 Proxy Authentication Required - The client must first authenticate itself with the proxy.

410 The requested webpage does not exist (permanently).

415 The media type is not supported - The server denies the request because it doesn't support the format of the request entity.

5xx Server Error

500 Internal Error - The server cannot fulfill the request due to unexpected circumstances.

501 Not Executed - The server does not recognize or does not support the corresponding request method.

502 Erroneous Gateway - The server received an invalid response from an upper level server.

503 Service Unavailable - The server is unable to process the request due to temporary overload or maintenance.

3.4.2 Internal Error Codes

Application errors, which are “ResponseCode”:

0: Succeed

1: Common Error

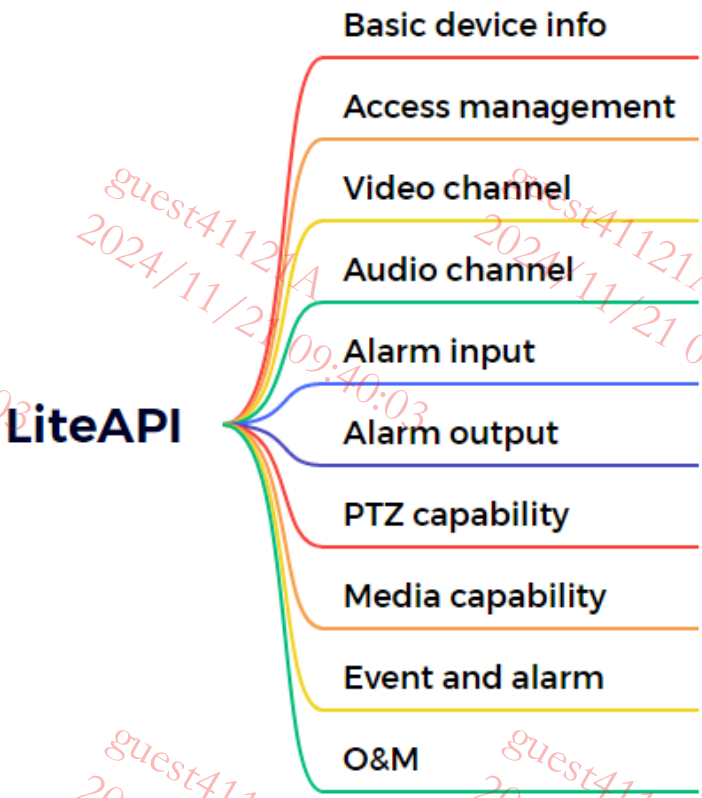
2: Invalid Arguments

3: Not Authorized

4: Not Supported

5: System Busy

4 API Overview



This document provides APIs for the following functions:

- 1. Basic device information, including the model, name, and IP of the device, and that of the IPC managed by the device.
- 2. Image parameters and OSD configuration of video channels.
- 3. Parameter configuration of audio channels.
- 4. Provides operations including PTZ control, preset configuration and calling, patrol.
- 5. IO configuration and operations.
- 6. Provides media operations such as live view, playback, and snapshot.
- 7. Event configuration and subscription.
- 8. Smart functions including intelligent data search, face comparison, people counting data query, search by image.
- 9. Device maintenance: device restart, device upgrade, and restoring factory defaults.

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5 Programming Guide

5.1 Security

5.1.1 Authentication

All LAPIs in this manual use Digest authentication. See RFC2617 documents for more information.

The calculation rules for Digest authentication are as follows:

If qop=Undefined

Digest=MD5(MD5(A1):<nonce>:MD5(A2))

If qop="auth:"

Digest=MD5(MD5(A1):<nonce>:<nc>:<cnonce>:<qop>:MD5(A2))

If qop="auth-int:"

Digest=MD5(MD5(A1):<nonce>:<nc>:<cnonce>:<qop>:MD5(A2))

Among which, A1 and A2 are the two pieces of data used to calculate the digest.

If the digest algorithm is MD5:

A1=<user>:<realm>:<password>;

If the digest algorithm is MD5-sess:

A1=MD5(<user>:<realm>:<password>):<nonce>:<cnonce>.

If qop is undefined or if qop="auth:"

A2=<request-method>:<uri-directive-value>;

If qop="auth-int:"

A2=<request-method>:<uri-directive-value>:MD5(<request-entity-body>).

5.2 Basic Info and Configuration

Get the basic device info, including device name, device type, device model, firmware version, etc.

Function	API URL
Get the basic device info	GET /LAPI/V1.0/System/DeviceInfo

5.1.2 RSA

Obtain the RSA public key information being used by the device, including the E field and N field of the public key, for verifying certain security-sensitive operations. **The device needs to retrieve the RSA public key information after every restart.**

Function	API URL
Get the current RSA info of the system	GET /LAPI/V1.1/System/Security/RSA

5.3 System Time Configuration

Set the system time, Daylight Saving Time (DST), NTP server info, and time sync mode.

Function	API URL
Get or set the system time.	GET or PUT /LAPI/V1.0/System/Time

5.4 Connection Management

5.4.1 Device Discovery

Discover devices, get the list of discovered devices.

Function	API URL
Discover devices	PUT /LAPI/V1.0/System/DiscoverDevice
Get the discovered devices.	GET /LAPI/V1.1/System/DiscoverDevice

Process description:

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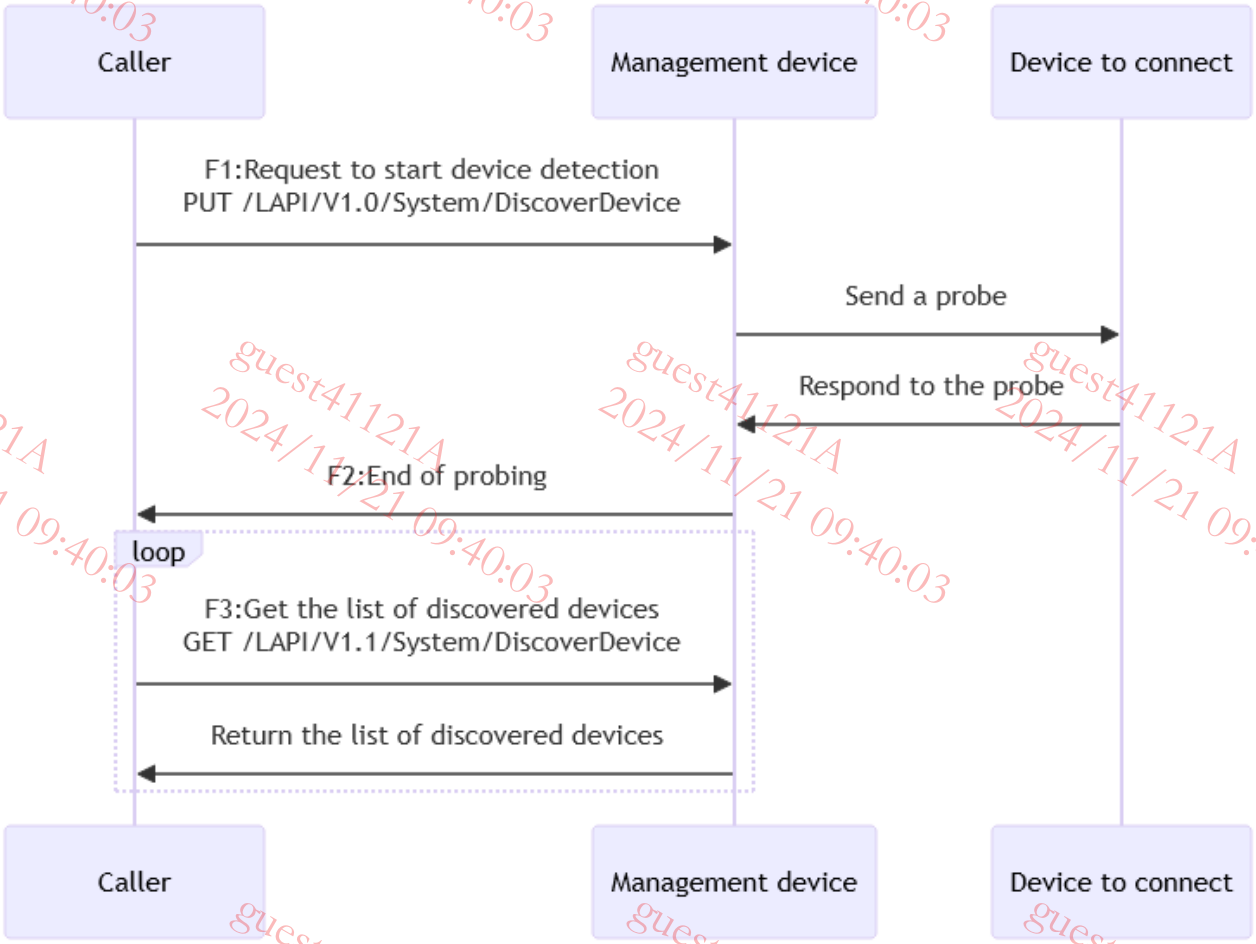


F1: The caller initiates a "start device discovery" request to the management device (such as NVR), and the request can specify detection conditions including the start and end IP addresses.

F2: The management device discovers devices awaiting connection (such as IPC) according to the set detection conditions and receives detection responses.

F3: The caller requests the management device for the list of discovered devices. The management device returns the list of the discovered devices to the caller. If the detection results are incomplete, it may be because the detection is not yet complete. You can wait for a period of time and then call the interface again to obtain the list of discovered devices.

5.4.2 Add Channel

Add video channel.

Function	API URL
Add video channel.	POST /LAPI/V1.0/Channels/System/BasicInfos

5.4.3 Delete Channel

Delete video channels in batches. The number of channels to be deleted and the channel ID list are required.

Function	API URL
Delete video channels in batches.	DELETE /LAPI/V1.0/Channels/System/BasicInfos

5.4.4 Modify Video Channel Info

Function	API URL
Modify video channel info.	PUT /LAPI/V1.0/Channels/<ID>/System/BasicInfos

5.5 Video Channel Info and Configuration

5.5.1 Video Channel Info

Function	API URL
Get the device info of all channels.	GET /LAPI/V1.0/Channels/System/DeviceInfos
Get the detailed info of all channels.	GET /LAPI/V1.0/Channels/System/ChannelDetailInfos
Get and modify the basic info of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/System/BasicInfo
Add video channel.	POST /LAPI/V1.0/Channels/System/BasicInfos
Delete video channel.	DELETE /LAPI/V1.0/Channels/System/BasicInfos

5.5.2 Image Parameter Configuration

Get or set camera image parameters; get or set image exposure, image enhancement, and focus parameters; control illumination.

Function	API URL
Get the image parameters of a specified video channel.	GET /LAPI/V1.0/Channels/<ID>/Image/Capabilities
Get or set the image enhancement parameters of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Image/Enhance
Get or set the image exposure parameters of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure
Restore default image settings.	PUT /LAPI/V1.0/Channels/<ID>/Image/ImageParamReset

5.5.3 OSD Configuration

Get or set OSD parameters; get or set OSD styles and contents.

Function	API URL
Get the OSD capability of a specified video channel.	GET /LAPI/V1.0/Channels/<ID>/Media/OSDs/Capabilities
Get or set the OSD styles of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle
Get or set the OSD content of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents
Get and set all OSD contents.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/OSDs

5.6 Storage Resource Info and Configuration

Get the storage container info list; get or set the recording and snapshot storage schedule.

Function	API URL
Get the storage container info list.	GET /LAPI/V1.0/Storage/Containers/DetailInfos
Get or set the recording schedule of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record
Get or set the snapshot schedule of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Storage/Schedule/Picture

5.7 Alarm Input Info and Configuration

Get or set alarm input parameters; get or set the arming schedule and linkage actions of alarm input.

Function	API URL
Get the detailed info list of multiple alarm inputs.	GET /LAPI/V1.0/IO/InputSwitches/BasicInfos
Get or set the detailed info of a specified video channel.	GET or PUT /LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos
Get or set the linkage actions of alarm input.	GET or PUT /LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions
Get or set the arming schedule of alarm input.	GET or PUT /LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan

5.8 Alarm Output Info and Configuration

Get or set alarm output parameters; get or set the arming schedule of alarm output; manually trigger or clear alarm output.

Function	API URL
Get detailed info list of multiple alarm output channels.	GET /LAPI/V1.0/IO/OutputSwitches/BasicInfos
Get or set the basic info of alarm output.	GET or PUT /LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos
Get or set the arming schedule of alarm output.	GET or PUT /LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan
Manually trigger or clear alarm output.	PUT /LAPI/V1.0/IO/OutputSwitches/ManualAlarm

5.9 PTZ Capability

Get the PTZ related functions, including PTZ capability, PTZ control, preset configuration, and patrol configuration.

5.9.1 Capability

Get PTZ capability. The PTZ is bound with a video channel.

Function	API URL
Get the PTZ capability of a specified video channel.	GET /LAPI/V1.0/Channels/<ID>/PTZ/Capabilities

5.9.2 PTZ Control

PTZ Control Commands

Function	API URL
PTZ Control Commands	PUT /LAPI/V1.0/Channels/<ID>/PTZ/PTZCtrl

5.9.3 Preset

Add, get, set, delete, and call a preset.

Function	API URL
Add and get a preset.	POST or GET /LAPI/V1.0/Channels/<ID>/PTZ/Presets
Delete and set a preset.	DELETE or PUT /LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>
Call (rotate toward) a preset.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>/Goto

5.9.4 Drag to Zoom In

Drag to zoom in/out commands

Function	API URL
Drag to zoom in	PUT /LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomIn
Drag to zoom out	PUT /LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomOut

5.9.5 Patrol

Add, get, set, delete, start, stop a normal patrol and recorded patrol.

Function	API URL
Start patrol	PUT /LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Start
Stop patrol	PUT /LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Stop
Add, get, or set patrol routes in batches.	POST or GET /LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Get or set patrol routes.	GET or PUT /LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Start recording patrol.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Start
Stop recording patrol.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Stop
Start recording a patrol route.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StartRecord
Stop recording a patrol route.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StopRecord
Get recorded patrol routes in batches.	GET /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols

5.10 Media Capability

5.10.1 Video

Get or set stream info.

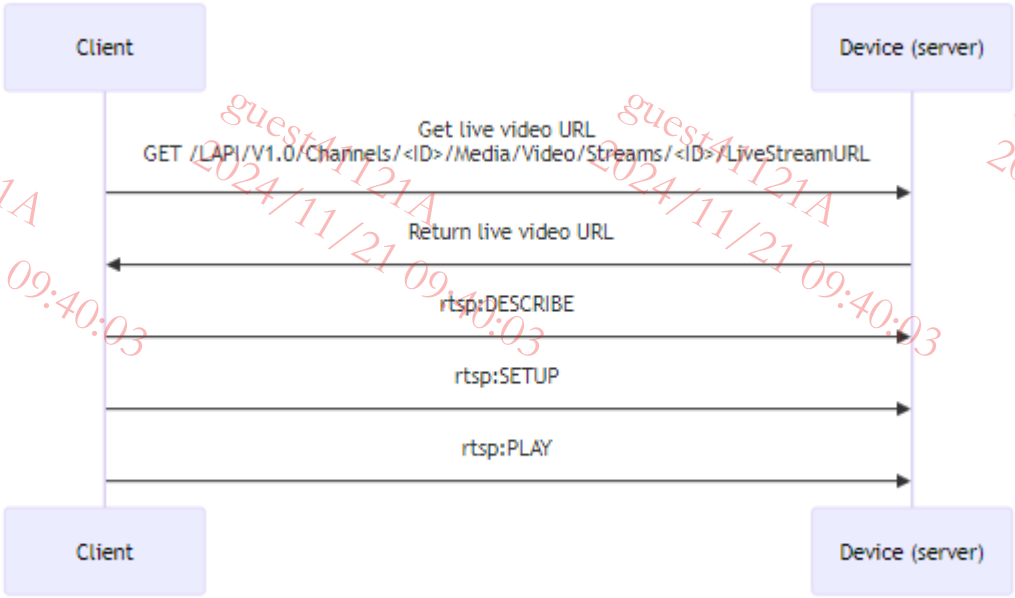
Function	API URL
Get or set all the stream info of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos
Get or set the image collection format.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/Video/Mode

5.10.2 Live View

Request for live view functions, use the API to obtain an RTSP URL, and then use the RTSP protocol to request for media streams.

Function	API URL
Get the live video URL of a specified video stream.	GET /LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/LiveStreamURL

Process description:



F1: The client sends an LAPI message to the device to obtain the RTSP URL of a specified live stream.

F2: Get the live stream description info through RTSP's DESCRIBE message.

F3: Initiate stream setup through RTSP's SETUP message.

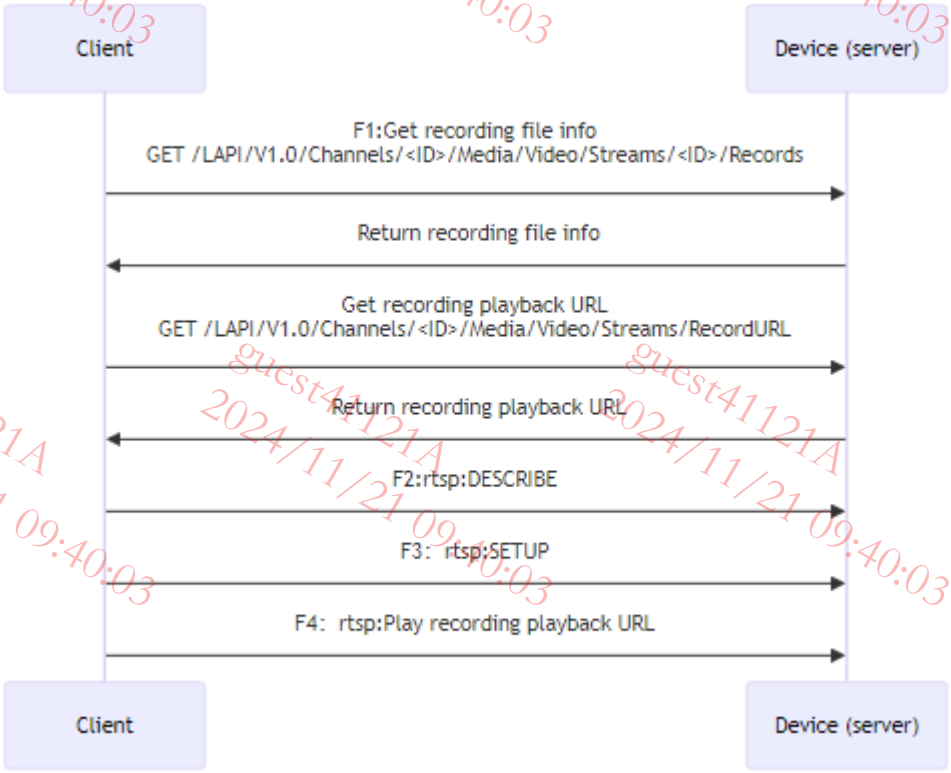
F4: Start live view through RTSP's PLAY message.

5.10.3 Playback

Search recorded video clips, use the API to obtain the video clip info and an RTSP URL, and then use the RTSP protocol to request for media streams.

Function	API URL
Get the recording file of a specified time.	GET /LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/Records

Process description:



F1: The client sends an LAPI message to the device to obtain the RTSP URL of the playback stream.

F2: Get the live stream description info through RTSP's DESCRIBE message.

F3: Initiate stream setup through RTSP's SETUP message.

F4: Use RTSP's PLAY message to start streaming. The playback time must be carried in the header of the RTSP request.

5.10.4 Audio

Get or set audio input and output parameters.

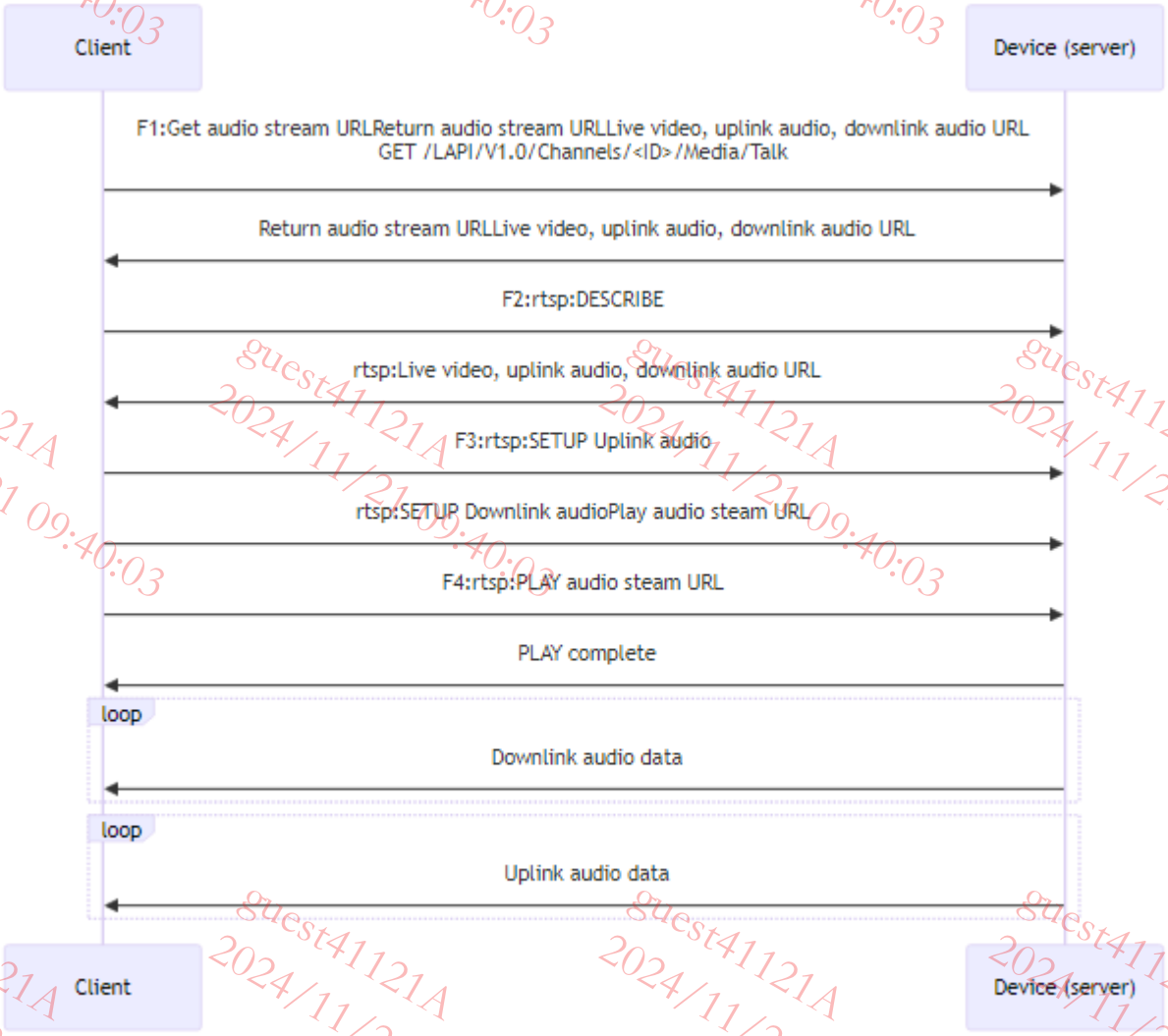
Function	API URL
Get or set audio input parameters.	GET or PUT /LAPI/V1.0/Media/Audio/Input
Get or set audio output parameters.	GET or PUT /LAPI/V1.0/Media/Audio/Output

5.10.5 Broadcast/Two-way audio

Two-way audio uses the API to obtain an RTSP URL, and then uses the RTSP protocol to request for media streams.

Function	API URL
Get the stream URL for two-way audio.	GET /LAPI/V1.0/Channels/<ID>/Media/Talk

Process description:



F1: The client sends an LAPI message to the device to obtain the stream URL for two-way audio.

F2: Get the URLs for two-way audio through RTSP's DESCRIBE message.

F3: Initiate stream setup for two-way audio through RTSP's SETUP message.

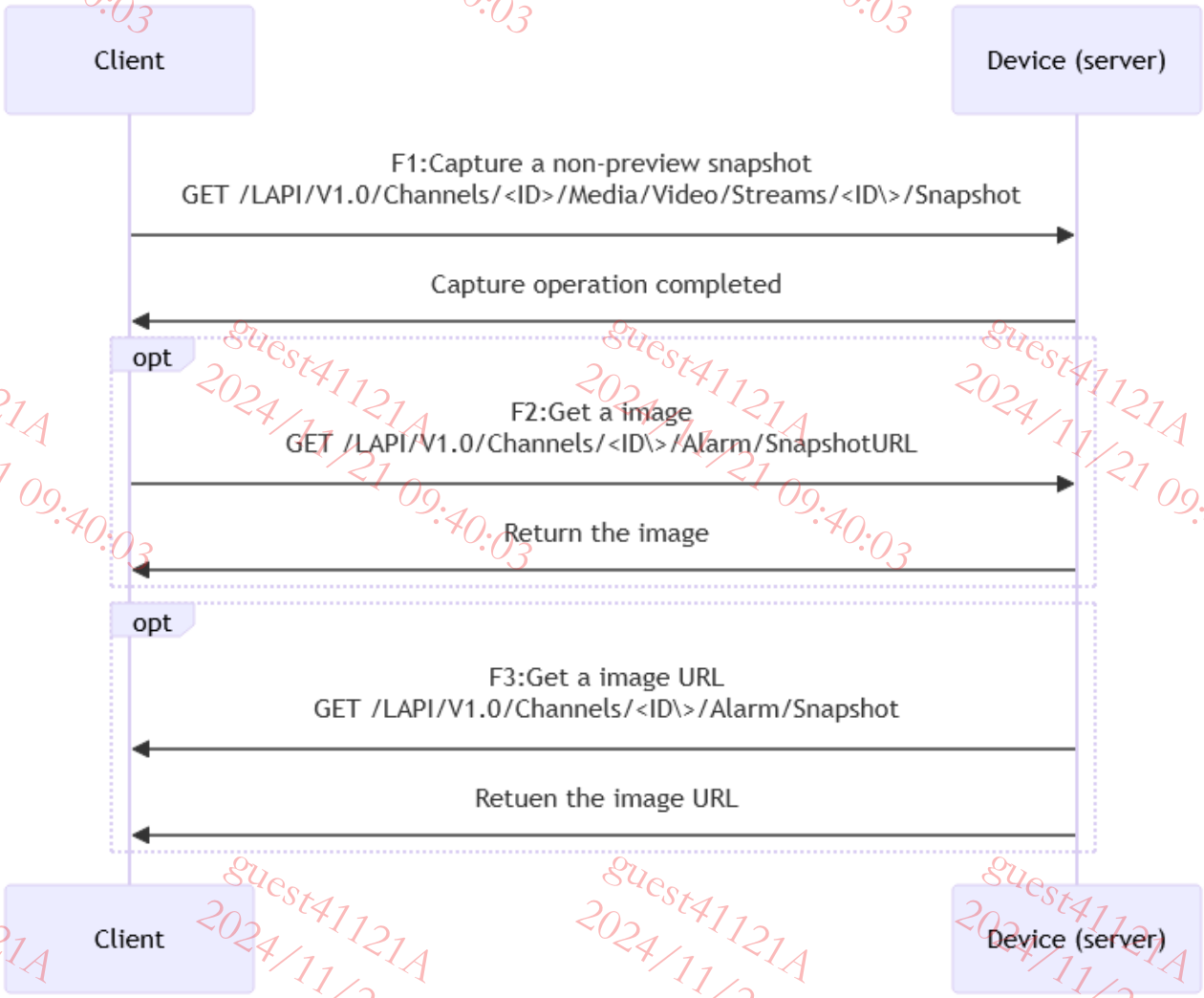
F4: Transport audio steam data.

5.10.6 Snapshot

Take an instant snapshot, and get alarm image.

Function	API URL
Get alarm snapshot URL	GET /LAPI/V1.0/Channels/<ID>/Alarm/SnapshotURL
Get alarm snapshot	GET /LAPI/V1.0/Channels/<ID>/Alarm/Snapshot

Process description:



F1: The client sends an LAPI message to the device to obtain the image or its URL.

F2: The image is returned directly through the interface.

F2: Or returns the image URL, through which the client can obtain the image.

5.11 Event and Alarm

5.11.1 Motion Detection Configuration

Get or set the parameters of motion detection and ultra motion detection (UMD); get the detection area, arming schedule, and linkage actions of motion detection and UMD.

Function	API URL
Get or set the motion detection area type.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/AreaType
Get or set the parameters of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule

Function	API URL
Get or set all the rectangular areas of motion detection and UMD.	GET /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas
Get or set a specified rectangular area of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAareas/<ID>
Get or set all the grid areas of motion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/Grid
Get or set all the grid areas of motion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/GridArea
Get or set the arming schedule of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan
Get or set the linkage actions of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions

5.11.2 Tampering Detection Configuration

Get or set tampering detection parameters; get or set the arming schedule and linkage actions of tampering detection.

Function	API URL
Get or set the basic info of tampering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule
Get or set the linkage actions of tampering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions
Get or set the arming schedule of tampering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan

5.11.3 Fire Detection

Get or set fire detection parameters; get or set the arming schedule, linkage actions, shield area rules, shield area project mode, and detection mode of fire detection.

Function	API URL
Get or set fire detection rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Rule
Get or set the linkage actions of fire detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/LinkageActions

Function	API URL
Get or set the arming schedule of fire detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/WeekPlan

5.11.4 Human Body Detection

Get or set human body detection parameters; get or set the arming schedule, linkage actions, and detection area of human body detection.

Function	API URL
Get or set the basic info of human body detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule
Get or set the linkage actions of human body detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/LinkageActions
Get or set the arming schedule of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan
Get or set a specified area of elevator entrance detection.	GET or PUT /LAPI/V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas

5.11.5 Face Detection

Get or set face/human body detection parameters; get or set face/human body detection rules, linkage actions, and arming schedule.

Function	API URL
Get or set enabled/disabled status of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceEnable
Get or set face detection rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Rule
Get or set face detection areas.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections
Get or set a specified area of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections/<ID>
Get or set the linkage actions of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/LinkageActions
Get or set the arming schedule of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/WeekPlans
Get or set face statistics resetting configuration.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/FaceCount/Reset

5.11.6 Multi-Target Detection

Get or set multi-target detection parameters; get or set multi-target detection rules, linkage actions, and arming schedule.

Function	API URL
Get or set multi-target detection rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule
Get or set multi-target detection areas.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas
Get or set linkage actions of multi-target detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/LinkageActions
Get or set the arming schedule of multi-target detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/WeekPlan

5.11.7 People Flow Counting

Get or set people flow counting parameters, get tripwire and area people counting rules, arming schedule, and statistics resetting configuration and operation.

Function	API URL
Get or set rules of tripwire people counting.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule
Get or set arming schedule of tripwire people counting.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan
Get or set statistics resetting configuration of tripwire people counting statistics.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo
Reset tripwire people counting statistics.	PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Reset
Get or set area people counting rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule
Get or set arming schedule of area people counting.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan

5.11.8 Elevator Entrance Detection

Get or set elevator entrance detection parameters; get or set the arming schedule, linkage actions, and detection area of elevator entrance detection.

Function	API URL
Get or set the basic info of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule
Get or set linkage actions of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions
Get or set the arming schedule of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan

5.11.9 High-rise Littering

Get or set high-rise littering parameters; get or set the arming schedule, linkage actions, and detection area of high-rise littering.

Function	API URL
Get or set the basic info of high-rise littering.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule
Get or set linkage actions of high-rise littering.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions
Get or set the arming schedule of high-rise littering.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan
Get or set all the areas of high-rise littering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas
Get or set a specified area of high-rise littering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>

5.11.10 Fall Detection

Get or set the configuration of fall detection; get or set the arming schedule and linkage actions of fall detection.

Function	API URL
Get or set the configuration of fall detection.	GET or PUT /LAPI/V1.0/Smart/FallOverDetection/Rule?ChannelID=<ID>
Get or set all the areas of fall detection.	GET or PUT /LAPI/V1.0/Smart/FallOverDetection/Areas?ChannelID=<ID>
Get or set a specified area of fall detection.	GET or PUT /LAPI/V1.0/Smart/FallOverDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of fall detection.	GET or PUT /LAPI/V1.0/Smart/FallOverDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of fall detection.	GET or PUT /LAPI/V1.0/Smart/FallOverDetection/WeekPlan?ChannelID=<ID>

5.11.11 Loitering Detection

Get or set the configuration of loitering detection; get or set the arming schedule and linkage actions of loitering detection.

Function	API URL
Get or set the configuration of loitering detection.	GET or PUT /LAPI/V1.0/Smart/Loitering/Rule?ChannelID=<ID>
Get or set all the areas of loitering detection.	GET or PUT /LAPI/V1.0/Smart/Loitering/Areas?ChannelID=<ID>
Get or set a specified area of loitering detection.	GET or PUT /LAPI/V1.0/Smart/Loitering/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of loitering detection.	GET or PUT /LAPI/V1.0/Smart/Loitering/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of loitering detection.	GET or PUT /LAPI/V1.0/Smart/Loitering/WeekPlan?ChannelID=<ID>

5.11.12 Quick Moving

Get or set the configuration of quick moving; get or set the arming schedule and linkage actions of quick moving.

Function	API URL
Get or set the configuration of quick moving.	GET or PUT /LAPI/V1.0/Smart/FastMovingDetection/Rule?ChannelID=<ID>
Get or set all the areas of quick moving detection.	GET or PUT /LAPI/V1.0/Smart/FastMovingDetection/Areas?ChannelID=<ID>
Get or set a specified area of quick moving detection.	GET or PUT /LAPI/V1.0/Smart/FastMovingDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of quick moving.	GET or PUT /LAPI/V1.0/Smart/FastMovingDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of quick moving.	GET or PUT /LAPI/V1.0/Smart/FastMovingDetection/WeekPlan?ChannelID=<ID>

5.11.13 Sleep on Duty Detection

Get or set the configuration of sleep on duty detection; get or set the arming schedule and linkage actions of sleep on duty detection.

Function	API URL
Get or set the configuration of sleep on duty detection.	GET or PUT /LAPI/V1.0/Smart/SleepingDetection/Rule?ChannelID=<ID>

Function	API URL
Get or set all the areas of sleep on duty detection.	GET or PUT /LAPI/V1.0/Smart/SleepingDetection/Areas?ChannelID=<ID>
Get or set a specified area of sleep on duty detection.	GET or PUT /LAPI/V1.0/Smart/SleepingDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of sleep on duty detection.	GET or PUT /LAPI/V1.0/Smart/SleepingDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of sleep on duty detection.	GET or PUT /LAPI/V1.0/Smart/SleepingDetection/WeekPlan?ChannelID=<ID>

5.11.14 Absence Detection

Get or set the configuration of absence detection; get or set the arming schedule and linkage actions of absence detection.

Function	API URL
Get or set the configuration of absence detection.	GET or PUT /LAPI/V1.0/Smart/OffDutyDetection/Rule?ChannelID=<ID>
Get or set all the areas of absence detection.	GET or PUT /LAPI/V1.0/Smart/OffDutyDetection/Areas?ChannelID=<ID>
Get or set a specified area of absence detection.	GET or PUT /LAPI/V1.0/Smart/OffDutyDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of absence detection.	GET or PUT /LAPI/V1.0/Smart/OffDutyDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of absence detection.	GET or PUT /LAPI/V1.0/Smart/OffDutyDetection/WeekPlan?ChannelID=<ID>

5.11.15 No Reflective Clothing Detection

Get or set the configuration of no reflective clothing detection; get or set the arming schedule and linkage actions of no reflective clothing detection.

Function	API URL
Get or set the configuration of no reflective clothing detection.	GET or PUT /LAPI/V1.0/Smart/ReflectiveClothesDetection/Rule?ChannelID=<ID>

Function	API URL
Get or set all the areas of no reflective clothing detection.	GET or PUT /LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas?ChannelID=<ID>
Get or set a specified area of no reflective clothing detection.	GET or PUT /LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of no reflective clothing detection.	GET or PUT /LAPI/V1.0/Smart/ReflectiveClothesDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of no reflective clothing detection.	GET or PUT /LAPI/V1.0/Smart/ReflectiveClothesDetection/WeekPlan?ChannelID=<ID>

5.11.16 Fight Detection

Get or set the configuration of fight detection; get or set the arming schedule and linkage actions of fight detection.

Function	API URL
Get or set the configuration of fight detection.	GET or PUT /LAPI/V1.0/Smart/FightDetection/Rule?ChannelID=<ID>
Get or set all the areas of fight detection.	GET or PUT /LAPI/V1.0/Smart/FightDetection/Areas?ChannelID=<ID>
Get or set a specified area of fight detection.	GET or PUT /LAPI/V1.0/Smart/FightDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of fight detection.	GET or PUT /LAPI/V1.0/Smart/FightDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of fight detection.	GET or PUT /LAPI/V1.0/Smart/FightDetection/WeekPlan?ChannelID=<ID>

5.11.17 Climbing Detection

Get or set the configuration of climbing detection; get or set the arming schedule and linkage actions of climbing detection.

Function	API URL
Get or set the configuration of climbing detection.	GET or PUT /LAPI/V1.0/Smart/ClimbingDetection/Rule?ChannelID=<ID>
Get or set all the areas of climbing detection.	GET or PUT /LAPI/V1.0/Smart/ClimbingDetection/Areas?ChannelID=<ID>

Function	API URL
Get or set a specified area of climbing detection.	GET or PUT /LAPI/V1.0/Smart/ClimbingDetection/Areas/<ID>?ChannelID=<ID>
Get or set the linkage actions of climbing detection.	GET or PUT /LAPI/V1.0/Smart/ClimbingDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of climbing detection.	GET or PUT /LAPI/V1.0/Smart/ClimbingDetection/WeekPlan?ChannelID=<ID>

5.11.18 No Helmet Detection

Get or set the configuration of no helmet detection; get or set the arming schedule and linkage actions of no helmet detection.

Function	API URL
Get or set the configuration of no helmet detection.	GET or PUT /LAPI/V1.0/Smart/SafetyHelmetDetection/Rule?ChannelID=<ID>
Get or set all the areas of no helmet detection.	GET or PUT /LAPI/V1.0/Smart/SafetyHelmetDetection/Areas?ChannelID=<ID>
Get or set the linkage actions of no helmet detection.	GET or PUT /LAPI/V1.0/Smart/SafetyHelmetDetection/LinkageActions?ChannelID=<ID>
Get or set the arming schedule of no helmet detection.	GET or PUT /LAPI/V1.0/Smart/SafetyHelmetDetection/WeekPlan?ChannelID=<ID>

5.11.19 No Work Clothes Detection

Get or set the configuration of no work clothes detection; get or set the arming schedule and linkage actions of no work clothes detection.

Function	API URL
Get or set the configuration of no work clothes detection.	GET or PUT /LAPI/V1.0/Smart/WorkClothesDetection/Rule?ChannelID=<ID>
Get or set all the areas of no work clothes detection.	GET or PUT /LAPI/V1.0/Smart/WorkClothesDetection/Areas?ChannelID=<ID>
Get or set the linkage actions of no work clothes detection.	GET or PUT /LAPI/V1.0/Smart/WorkClothesDetection/LinkageActions?ChannelID=<ID>

Function	API URL
Get or set the arming schedule of no work clothes detection.	GET or PUT /LAPI/V1.0/Smart/WorkClothesDetection/WeekPlan?ChannelID=<ID>

5.11.20 Event and Alarm Subscription

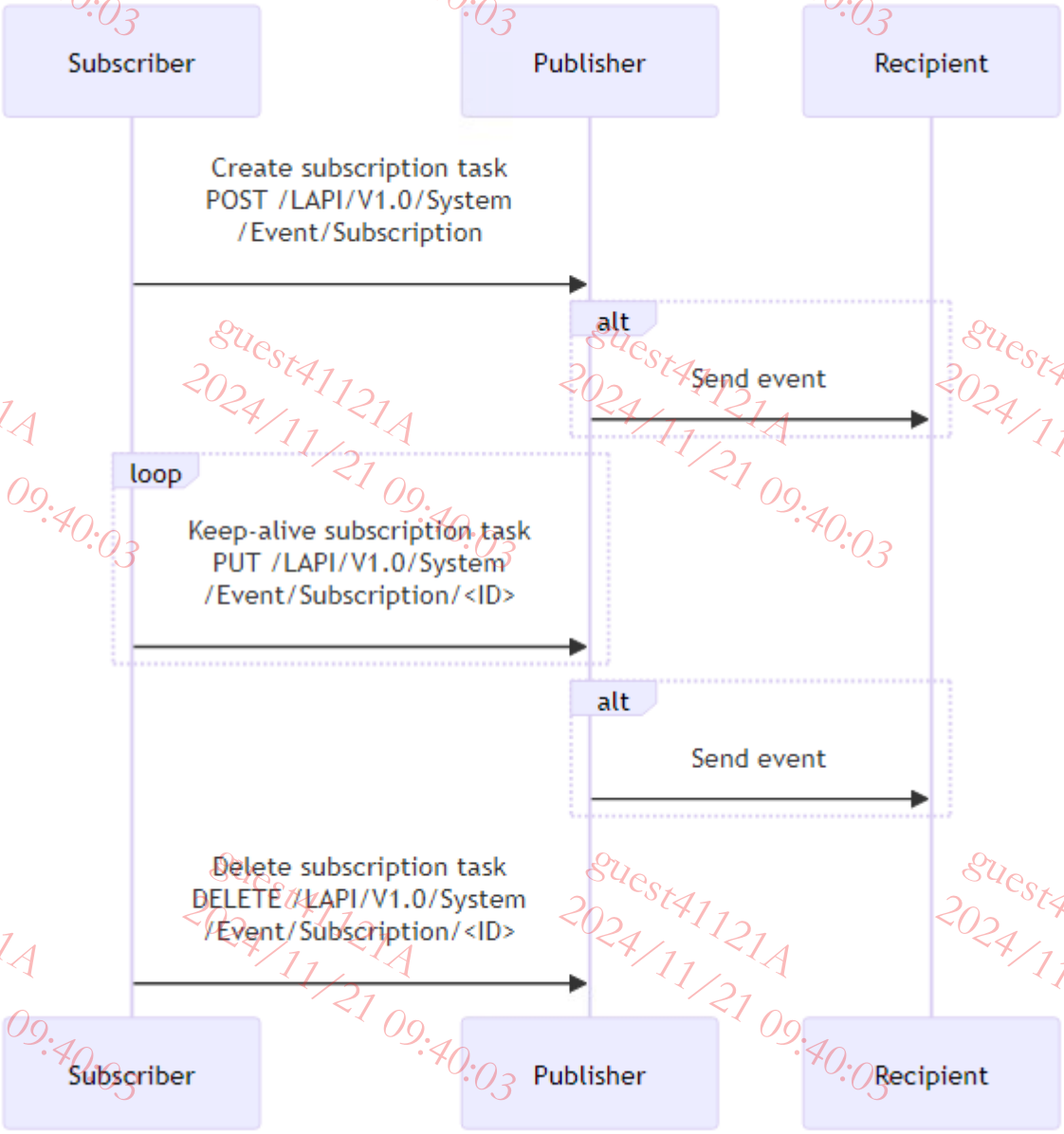
The client can send a “create subscription task” request to the device to subscribe to events or alarms from the device.

When an event or alarm is generated on the device, the device will push the event or alarm message to the client.

Function	API URL
Create subscription task	POST /LAPI/V1.0/System/Event/Subscription
Keep-alive subscription task	PUT /LAPI/V1.0/System/Event/Subscription/<ID>
Delete subscription task	DEL /LAPI/V1.0/System/Event/Subscription/<ID>
Push event or alarm	POST /LAPI/V1.0/System/Event/Notification/…

Process description:

guest41121A 2024/11/21 09:40:03



F1: Subscribers initiate a "create subscription task" request to publishers, specifying the recipient info and the validity period of the subscription task in the request.

F2: If an event or alarm occurs, the publisher reports the event or alarm to the recipient.

F3: Periodically, within the validity period of the subscription task, the subscriber initiates a "subscription keep-alive task" to the publisher to ensure the validity of the subscription task. If the subscription task times out and becomes invalid, and the subscriber does not initiate a “subscription keep-alive task" request to the publisher, the publisher will automatically destroy the expired subscription task.

F4: If necessary, the subscriber can initiate a "delete subscription task" request to the publisher to actively delete the subscription task.

5.12 Retrieve/Search

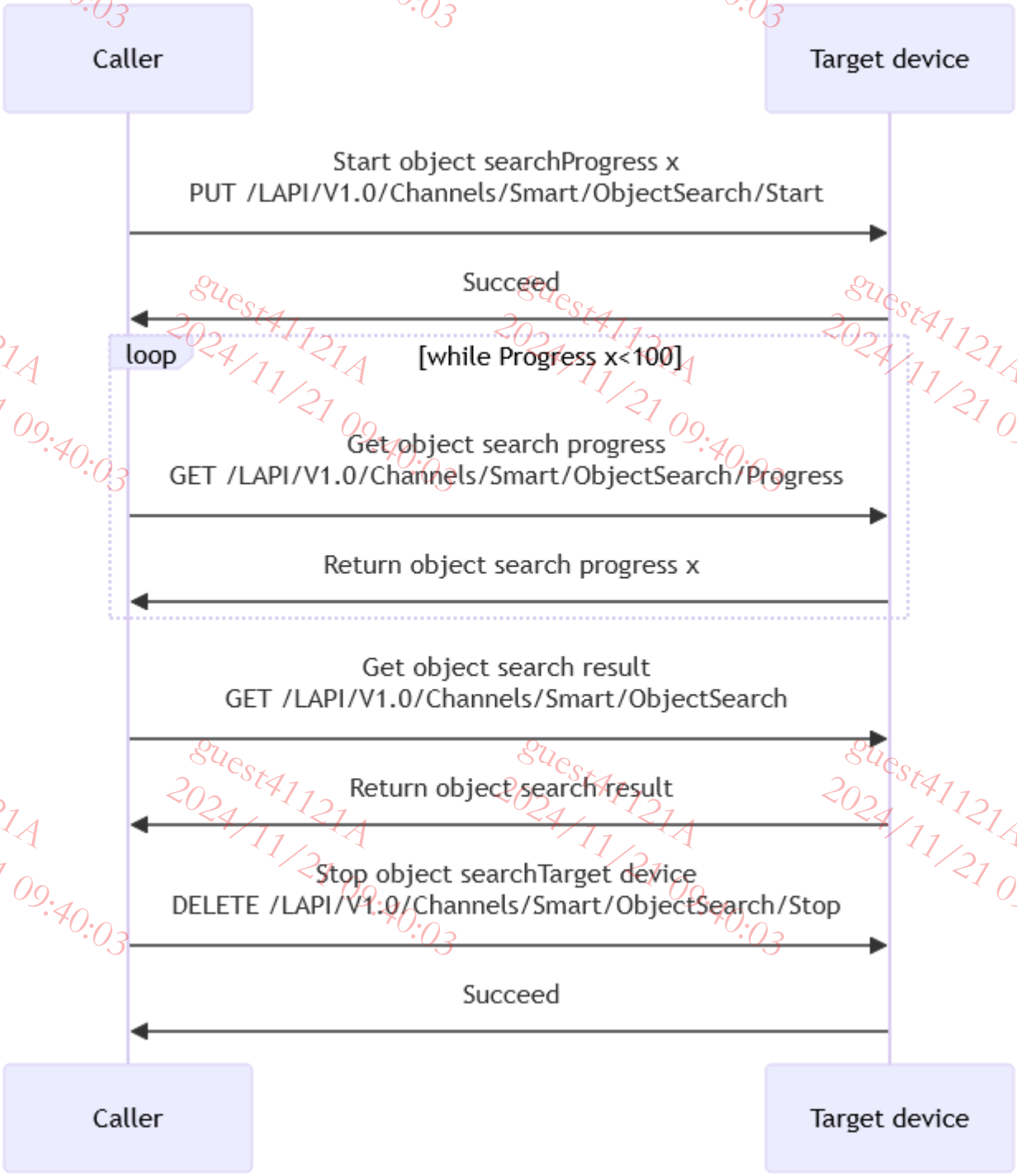
5.12.1 Object Search

Search for an object stored on the device and the corresponding image info, including starting object search, getting the object search progress, getting the object search result, and stop the object search. See the timing diagram below.

Function	API URL
Start object search	PUT /LAPI/V1.0/Channels/Smart/ObjectSearch/Start
Get object search progress	GET /LAPI/V1.0/Channels/Smart/ObjectSearch/Progress?SearchID=<SearchID>
Get object search result	GET /LAPI/V1.0/Channels/Smart/ObjectSearch?SearchID=<SearchID>&Limit=<Limit>&Offset=<Offset>
Stop object search	DELETE /LAPI/V1.0/Channels/Smart/ObjectSearch/Stop

Object search flowchart:

guest41121A 2024/11/21 09:40:03



5.12.2 Search Pass-through Records

Search pass-through records, including face pass-through records and person pass-through records.

Face pass-through records: Search face data obtained from face recognition (face capture).

Person pass-through records: Search person data obtained from successful face comparison.

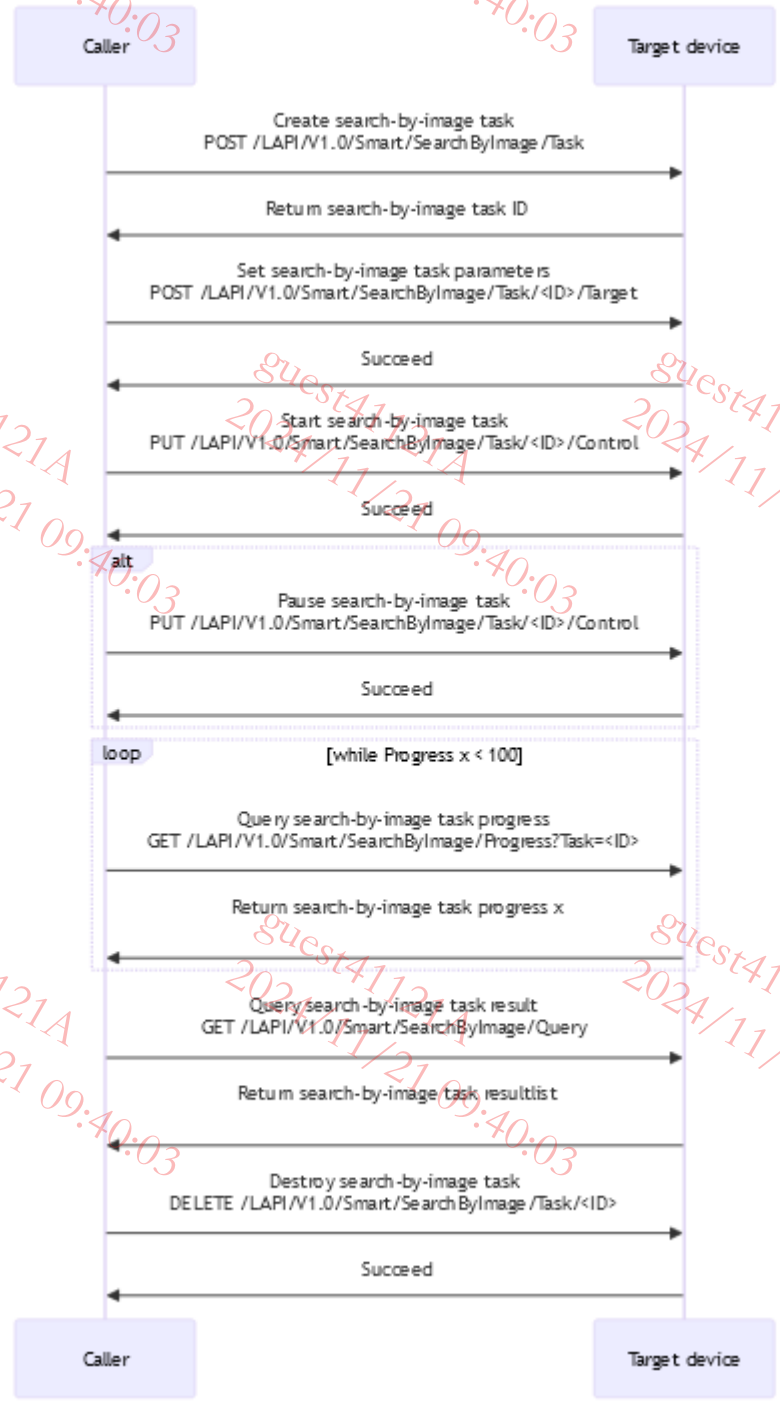
Function	API URL
Search face pass-through records	POST /LAPI/V1.0/Smart/Face/PassRecord
Search person pass-through records.	POST /LAPI/V1.0/Smart/Person/PassRecord

5.12.3 Search by Image

Extract feature values from the given image and search all associated images in the database. Search by image includes creating and operating task, querying task progress, getting search results, and destroying the task. Search by image supports paginated search and allows user to specify the type of image data to be returned.

Function	API URL
Create a search-by-image task	POST /LAPI/V1.0/Smart/SearchByImage/Task
Set search-by-image task	POST /LAPI/V1.0/Smart/SearchByImage/Task/<ID>/Target
Operate search-by-image task (start/stop task)	PUT /LAPI/V1.0/Smart/SearchByImage/Task/<ID>/Control
Get search-by-image progress	GET /LAPI/V1.0/Smart/SearchByImage/Progress?TaskID=<TaskID>
Get search-by-image result	GET /LAPI/V1.0/Smart/SearchByImage/Query?TaskID=<TaskID>&Limit=<Limit>&Offset=<Offset>&ImageDataType=<ImageDataType>
Destroy search-by-image task	DELETE /LAPI/V1.0/Smart/SearchByImage/Task/<ID>

Search-by-image flowchart:

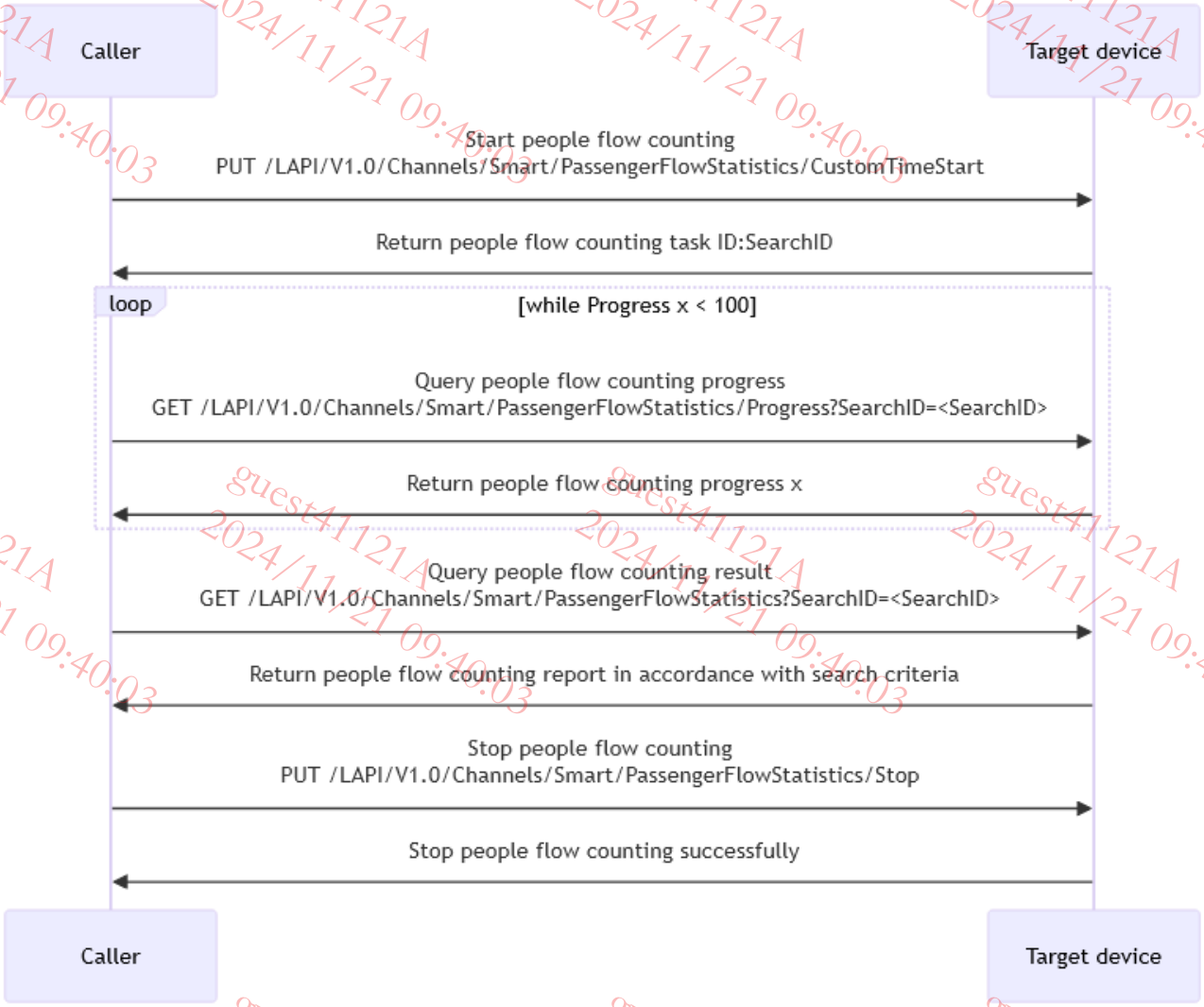


5.12.4 People Flow Counting

Collect people flow counting statistics of a specified area during a specified period. Including starting the counting, getting the counting progress, getting the counting result, and stop the counting. People flow counting results are presented in the form of reports; user can set the time interval (by day, by week) for the report when starting counting.

Function	API URL
Start people flow counting	PUT /LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/CustomTimeStart
Get the progress of people flow counting	GET /LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/Progress?SearchID=<SearchID>
Get the result of people flow counting.	GET /LAPI/V1.0/Channels/Smart/PassengerFlowStatistics?SearchID=<SearchID>
Stop people flow counting.	PUT /LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/Stop

People flow counting flowchart:



5.13 Face Recognition

Process of using the face recognition function:

1. Enable face capture and face comparison functions on the camera.
2. Create a person library.
3. Input person info.
4. Enable monitoring.

5. Search data or subscribe to events.

5.13.1 Person Library Configuration

Create, delete, modify, search person library info; get capacity info of person library.

Function	API URL
Create person library info	POST /LAPI/V1.0/PeopleLibraries/BasicInfo
Delete person library info	DELETE /LAPI/V1.0/PeopleLibraries/<ID>
Modify person library info	PUT /LAPI/V1.0/PeopleLibraries/BasicInfo
Get person library info	GET /LAPI/V1.0/PeopleLibraries/BasicInfo
Get capacity info of person library	GET /LAPI/V1.0/PeopleLibraries/Capacity

5.13.2 Person Info Configuration

Add, delete, modify person info; search person info with criteria.

Function	API URL
Add person info	POST /LAPI/V1.0/PeopleLibraries/<ID>/People
Delete a specified person from a specified library.	DELETE /LAPI/V1.0/PeopleLibraries/<ID>/People/<ID>
Modify person info	PUT /LAPI/V1.0/PeopleLibraries/<ID>/People
Search person info with criteria	POST /LAPI/V1.0/PeopleLibraries/<ID>/People/Info

5.13.3 Status of Smart Function

Get or set the smart function's enabled/disabled status of the device.

Function	API URL
Get the enabled/disabled status of the smart function.	GET /LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus
Set the enabled/disabled status of the smart function.	PUT /LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus

5.13.4 Face Monitoring

Add, delete, modify, get monitoring task info; get or set the rules, linkage actions, and arming schedule of monitoring task.

Function	API URL
Add a monitoring task	POST /LAPI/V1.0/Smart/Face/Recognition/Monitor

Function	API URL
Delete monitoring tasks in batches	DELETE /LAPI/V1.0/Smart/Face/Recognition/Monitor
Delete monitoring task.	DELETE /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Modify monitoring task.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Get the info of all monitoring tasks.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor
Get the info of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Get the rules of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Set monitoring task rules.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Get the linkage actions of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Set the linkage actions of a monitoring task.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Get the arming schedule of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan
Set arming schedule of a monitoring task.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan

5.14 Operation and Maintenance

5.14.1 Log Search

Search device logs; supports searching logs by criteria such as log type, time range, and pagination.

Function	API URL
Search Logs	POST /LAPI/V1.0/System/Logs

5.14.2 Device Restart

Restart device.

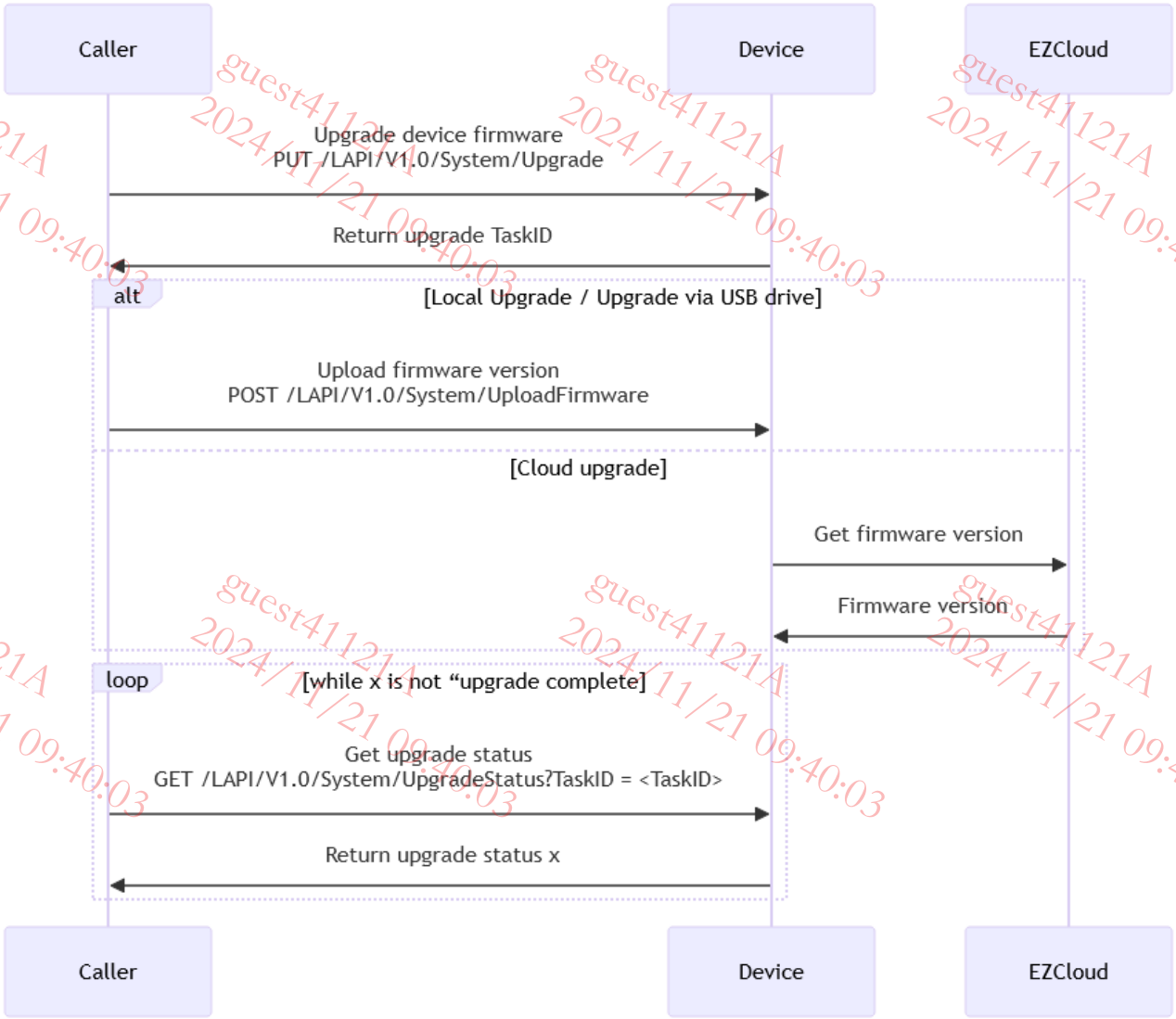
Function	API URL
Restart device	PUT /LAPI/V1.0/System/Reboot

5.14.3 Device Upgrade

Upgrade device firmware version, including performing upgrade, uploading version file, querying upgrade status.

Function	API URL
Upgrade device firmware.	PUT /LAPI/V1.0/System/Upgrade
Upload firmware version	POST /LAPI/V1.0/System/UploadFirmware
Get device upgrade status.	GET /LAPI/V1.0/System/UpgradeStatus

Firmware upgrade flowchart:



5.14.4 Restore Factory Defaults

Restore the device to defaults, including Default and Factory Default.

Default: Restore factory default settings, except user settings and network settings.

Factory Default: Restore all default settings, including user settings and network settings.

Function	API URL
Restore device to default settings.	PUT /LAPI/V1.0/System/FactoryReset

6 API List

6.1 System

6.1.1 Time

6.1.1.1 Get Device Time information

6.1.1.1.1 Overview

Names	Description
Interface Description	Get Device Time Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time
Interface request method	GET
How data is submitted	application/json

6.1.1.1.2 URL Description

None

6.1.1.1.3 Request Parameters

None

6.1.1.1.4 Example of Request Parameters

None

6.1.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result

Parameter names	Parameter type	Parameter location	Required	Description
++TimeZone	string	body	true	Time zone character string, range: [1, 255]. Cannot be entered freely, can only be selected from the following string enumeration: "GMT-12:00" "GMT-11:00" "GMT-10:00" "GMT-09:00" "GMT-08:00" "GMT-07:00" "GMT-06:00" "GMT-05:00" "GMT-04:30" "GMT-04:00" "GMT-03:30" "GMT-03:00" "GMT-02:00" "GMT-01:00" "GMT-00:00" "GMT+01:00" "GMT+02:00" "GMT+03:00 "GMT+03:30" "GMT+04:00" "GMT+04:30" "GMT+05:00" "GMT+05:30" "GMT+05:45" "GMT+06:00" "GMT+06:30" "GMT+07:00" "GMT+08:00" "GMT+09:00" "GMT+09:30" "GMT+10:00" "GMT+11:00" "GMT+12:00" "GMT+13:00"
++DeviceTime	integer	body	true	UTC time, in seconds
++DateFormat	integer	body	true	Date format 0: YYYY-MM-DD year Month day 1: MM-DD-YYYY month day year 2: DD-MM-YYYY Day month year
++HourFormat	integer	body	true	Time format 0:12 hour format 1:24 hour scale

6.1.1.1.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
```

```
        "TimeZone": "string",
        "DeviceTime": 0,
        "DateFormat": 1,
        "HourFormat": 0
      }
    }
}
```

6.1.1.2 Configure Device Time Information

6.1.1.2.1 Overview

Names	Description
Interface Description	Configure Device Time Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time
Interface request method	PUT
Data submission method	application/json

6.1.1.2.2 URL Description

None

6.1.1.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
TimeZone	string	body	true	Time zone character string, range: [1, 255]. Cannot be entered freely, can only be selected from the following string enumeration: "GMT-12:00""GMT-11:00""GMT-10:00""GMT-09:00""GMT-08:00""GMT-07:00""GMT-06:00""GMT-05:00""GMT-04:30""GMT-04:00""GMT-03:30""GMT-03:00""GMT-02:00""GMT-01:00""GMT-00:00""GMT+01:00""GMT+02:00""GMT+03:00""GMT+03:30""GMT+04:00""GMT+04:30""GMT+05:00""GMT+05:30""GMT+05:45""GMT+06:00""GMT+06:30""GMT+07:00""GMT+08:00""GMT+09:00""GMT+09:30""GMT+10:00""GMT+11:00""GMT+12: 00""GMT+13:00"
DeviceTime	integer	body	true	Device UTC time, UTC time, in seconds
DateFormat	integer	body	true	Date format 0: YYYY-MM-DD year Month day 1: MM-DD-YYYY month day year 2: DD-MM-YYYY Day month year
HourFormat	integer	body	true	Time format 0:12 hour format 1:24 hour scale

6.1.1.2.4 Example of Request Parameters

guest41121A 2024/11/21 09:40:03

```
{
   "TimeZone": "string",
   "DeviceTime": 0,
   "DateFormat": 0,
   "HourFormat": 0
}
```

6.1.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.1.1.2.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Time",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.1.1.3 Get Device Time Synchronization Method

6.1.1.3.1 Overview

Names	Description
Interface Description	Get Device Time Synchronization Method
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/SyncMode
Interface request method	GET
How data is submitted	application/json

6.1.1.3.2 URL description

None

6.1.1.3.3 Request Parameters

None

6.1.1.3.4 Example of Request Parameters

None

6.1.1.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Mode	integer	body	true	Time synchronization method 0: Allows all servers to synchronize time 3: Synchronize the NTP server time 6: Synchronize cloud server time (EZCloud, etc.)

6.1.1.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time/SyncMode",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Mode": 0
    }
  }
}
```


6.1.1.4 Configure Device Time Synchronization Mode

6.1.1.4.1 Overview

Names	Description
Interface Description	Configure Device Time Synchronization Mode

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/SyncMode
Interface request method	PUT
Data submission method	application/json

6.1.1.4.2 URL description

None

6.1.1.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Mode	integer	body	true	Time synchronization method 0: Allows all servers to synchronize time 3: Synchronize the NTP server time 6: Synchronize the cloud server time (EZCloud, etc.)

6.1.1.4.4 Example of Request Parameters

```
{
   "Mode": 0
}
```

6.1.1.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.1.1.4.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Time/SyncMode",
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.1.1.5 Get NTP Server Information

6.1.1.5.1 Overview

Names	Description
Interface Description	Get NTP Server Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/NTP
Interface request method	GET
How data is submitted	application/json

6.1.1.5.2 URL Description

None

6.1.1.5.3 Request Parameters

None

6.1.1.5.4 Example of Request Parameters

None

6.1.1.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Num	integer	body	true	Number of NTP servers Currently, only one Num server is supported. Therefore, the maximum NUM value must be 1

Parameter name	Parameter type	Parameter location	Required	Description
				Value range: [1, 1]
++NTPServerInfos	object[]	body	true	NTP Server Information
+++Enabled	integer	body	true	The NTP service is enabled If the NTP service is disabled, other parameters are not required 0: The NTP service is disabled 1: On
+++AddressType	integer	body	false	Address type IPV6 is not supported yet 0: IPV4 1: IPV6 2: Domain name
+++IPAddress	string	body	false	NTP server IP address If AddressType is 0, this parameter is mandatory String length range: [0, 63]
+++DomainName	string	body	false	NTP server domain name If AddressType is 2, this parameter is mandatory String length range: [0, 63]
+++Port	integer<uint32>	body	true	NTP port Value range: [1, 65535]
+++SynchronizeInterval	integer	body	false	NTP synchronization interval The following time periods need to be converted to a time value in seconds Supports 5/10/15/30 minutes, 1/2/3/6/12h, 1 day, and 1 week

6.1.1.5.6 Examples for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time/NTP",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "NTPServerInfos": [
        {
          "Enabled": 1,
          "AddressType": 0,
          "IPAddress": "192.168.1.13",
          "DomainName": "string",
          "Port": 8088,
          "SynchronizeInterval": 300
        }
      ]
    }
  }
}
```

6.1.1.6 Configure NTP Server Information

6.1.1.6.1 Overview

Names	Description
Interface Description	Configure NTP Server Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/NTP
Interface request method	PUT
Data submission method	application/json

6.1.1.6.2 URL Description

None

6.1.1.6.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Number of NTP servers Currently, only one Num server is supported. Therefore, the maximum NUM value must be 1 Value range: [1, 1]
NTPServerInfos	object[]	body	true	NTP Server Information
+Enabled	integer	body	true	The NTP service is enabled If the NTP service is disabled, other parameters are not required 0: The NTP service is disabled 1: On
+AddressType	integer	body	false	Address type IPV6 is not supported yet 0: IPV4 1: IPV6 2: Domain name
+IPAddress	string	body	false	NTP server IP address If AddressType is 0, this parameter is mandatory String length range: [0, 63]
+DomainName	string	body	false	NTP server domain name If AddressType is 2, this parameter is mandatory String length range: [0, 63]
+Port	integer<uint32>	body	false	NTP port Value range: [1, 65535]
+SynchronizeInterval	integer	body	false	NTP synchronization interval The following time periods need to be converted to a time value in seconds

Parameter Names	Parameter type	Parameter position	Required	Description
				Supports 5/10/15/30 minutes, 1/2/3/6/12h, 1 day, and 1 week

6.1.1.6.4 Example of Request Parameters

```
{
   "Num": 1,
   "NTPServerInfo": [
      {
         "Enabled": 1,
         "AddressType": 0,
         "SynchronizeInterval": 300,
         "IPAddress": "192.168.1.13",
         "Port": 8088
      }
   ]
}
```

6.1.1.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.1.1.6.6 Return Parameter Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Time/NTP",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.1.1.7 Get Daylight Saving Time Information

6.1.1.7.1 Overview

Names	Description
Interface Description	Get Daylight Saving Time Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/DST
Interface request method	GET
How data is submitted	application/json

6.1.1.7.2 URL description

None

6.1.1.7.3 Request Parameters

None

6.1.1.7.4 Example of Request Parameters

None

6.1.1.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Enabled	integer	body	true	The DST is enabled Default value: 1 0: Off 1: On
++BeginTime	object	body	true	DST start time configuration information
+++Month	integer	body	true	Starting month, follow ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August

Parameter names	Parameter type	Parameter location	Required	Description
				9: September 10: October 11: November 12: December
+++WeekNum	integer	body	true	Begins in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+++WeekDay	integer	body	true	Begins on the day of the week X of the month, following the ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+++Hour	integer	body	true	Start time Unit hour (24 hour system), according to ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
++EndTime	object	body	true	DST end time configuration information
+++Month	integer	body	true	The end month follows ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July

Parameter names	Parameter type	Parameter location	Required	Description
				8: August 9: September 10: October 11: November 12: December
+++WeekNum	integer	body	true	End in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+++WeekDay	integer	body	true	Ends on the day of week X of the month, following ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+++Hour	integer	body	true	End time Unit hour (24 hour system), according to ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
++DSTBias	integer	body	true	Time offset Unit minute, configurable values are: 30, 60, 90, 120

6.1.1.7.6 Example for Returning Parameters

```
{
  "Response": {
```

```
    "ResponseURL": "/LAPI/V1.0/System/Time/DST",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "BeginTime": {
        "Month": 12,
        "WeekNum": 1,
        "WeekDay": 3,
        "Hour": 9
      },
      "EndTime": {
        "Month": 12,
        "WeekNum": 1,
        "WeekDay": 3,
        "Hour": 12
      },
      "DSTBias": 0
    }
  }
}
```


6.1.1.8 Configure Daylight Saving Time Information

6.1.1.8.1 Overview

Names	Description
Interface Description	Configure Daylight Saving Time Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/DST
Interface request method	PUT
Data submission method	application/json

6.1.1.8.2 URL Description

None

6.1.1.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable daylight saving time Other parameters can be left blank when DST is disabled 0: Off 1: On
BeginTime	object	body	false	DST start time configuration information This parameter can be left blank when the DST is disabled

Parameter Names	Parameter type	Parameter location	Required	Description
+Month	integer	body	false	Starting month, follow ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August 9: September 10: October 11: November 12: December
+WeekNum	integer	body	false	It starts in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+WeekDay	integer	body	false	Begins on the day of week X of the month, following ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+Hour	integer	body	false	Start time Unit hour (24 hour system), according to ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
EndTime	object	body	false	DST end time configuration information This parameter can be left blank when the DST is disabled

Parameter Names	Parameter type	Parameter location	Required	Description
+Month	integer	body	false	End of month, follow ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August 9: September 10: October 11: November 12: December
+WeekNum	integer	body	false	End in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+WeekDay	integer	body	false	Ends on the day of week X of the month, following ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+Hour	integer	body	false	End time The unit hour (24 hours) complies with ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
DSTBias	integer	body	false	Time offset Unit minute, configurable values are: 30, 60, 90, 120

Parameter Names	Parameter type	Parameter location	Required	Description
				The value can be left blank when the function is disabled

6.1.1.8.4 Example for Request Parameters

```
{
 "Enabled": 1,
 "BeginTime": {
  "Month": 5,
  "WeekNum": 1,
  "WeekDay": 6,
  "Hour": 0
 },
 "EndTime": {
  "Month": 8,
  "WeekNum": 1,
  "WeekDay": 1,
  "Hour": 0
 },
 "DSTBias": 30
}
```

6.1.1.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.1.1.8.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Time/DST",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.1.2 Logs

6.1.2.1 Query Logs

6.1.2.1.1 Overview

Names	Description
Interface Description	Query Log
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Logs
Interface request method	POST
How to submit data	application/json

6.1.2.1.2 URL Description

None

6.1.2.1.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Query the number of criteria Value range: [1, 4]
QueryInfos	object[]	body	false	Query the list of condition information When Num is 0, this object is optional
+QryType	integer	body	true	Query criteria Currently only time, business type, and operation type are supported 4: Time in UTC format, unit: second 5: Service type (equivalent to main type) 6: Operation type (equivalent to sub-type)
+QryCondition	integer	body	true	Query the conditional logical type Currently, only equal, greater than or equal to, and less than or equal are supported 0: equals 3: greater than or equal to 4: less than or equal to
+QryData	string	body	true	Rvalue of the query condition. Currently, only single-type query is supported When QryType is 4 (time), this field is UTC time, in seconds When QryType is 5 (business type), the field value enumeration range is: "AllTypes": All types "Alarm": alarm log Alert: exception log "Operation": indicates an operation log "Notification": indicates the notification log When QryType is 6 (operation type), the enumeration rules for this field value are: If the service type is Alarm:

Parameter name	Parameter type	Parameter location	Required	Description
				For details about the value range, see 7.3 Alarm Types. If the service type is not Alarm, the current NVR supports only the "AllTypes" field to Queryll logs of this type The current QryCondition cannot be 6 or 7. This field is mandatory String length range: [0, 63]
Limit	integer	body	true	Quantity per query Value range: [1, 100]
Offset	integer	body	true	Start the query from the current serial number The initial sequence number starts from 0 This field has a minimum value of 0

6.1.2.1.4 Example of Request Parameters

```
{
   "Num": 4,
   "Limit": 200,
   "Offset": 0,
   "QueryInfos": [
      {
         "QryType": 4,
         "QryCondition": 3,
         "QryData": "1685389939"
      },
      {
         "QryType": 4,
         "QryCondition": 4,
         "QryData": "1705389939"
      },
      {
         "QryType": 5,
         "QryCondition": 0,
         "QryData": "AllTypes"
      },
      {
         "QryType": 6,
         "QryCondition": 0,
         "QryData": "AllTypes"
      }
   ]
}
```

6.1.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Total	integer	body	true	Total number of logs
++Offset	integer	body	true	Start the query from the current serial number The serial number starts at 0
++Num	integer	body	true	The number of logs returned by the current page Value range: [0, 100]
++Logs	object[]	body	false	Log information list This object is optional when Num is 0
+++Time	integer	body	true	Time when the log occurs The value is in UTC time format, in seconds
+++MainType	string	body	true	Log primary type, which is enumerated as: Alarm: indicates an alarm log Alert: exception log "Operation": indicates an operation log "Notification": indicates the notification log String length range: [0, 63]
+++SubType	string	body	true	Sunchi subtype See 7.3 Alarm Types for details
+++ID	integer	body	false	Channel number This field is required when the log involves the channel number. 0 indicates the device itself. The value starts from 1, indicating a specific channel number. Indicates the input/output alarm number when it comes to input/output alarm configurations and alarms For the alarm input/output of the NVR itself, the parameter is channel number *100+ alarm input/output number. For example, the channel number of the device itself is 0101, indicating the first input/output alarm number of the first channel
+++LoginName	string	body	true	Operating user String length range: [0, 64]
+++IP	string	body	true	Operating user IP String length range: [0, 64]
+++DetailInfo	string	body	false	Details Recording details is currently only supported in some features String length range: [0, 64]

6.1.2.1.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Logs",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
```

```
        "Total": 0,
        "Offset": 0,
        "Num": 0,
        "Logs": [
          {
            "Time": 0,
            "MainType": "Alarm",
            "SubType": "MotionDetectionStart",
            "ID": 0,
            "LoginName": "string",
            "IP": "string",
            "DetailInfo": "string"
          }
        ]
    }
  }
}
```


6.1.3 Reboot

6.1.3.1 Device Restart

6.1.3.1.1 Overview

Names	Description
Interface Description	Device Restart
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Reboot
Interface request method	PUT
Data submission method	application/json

6.1.3.1.2 URL Description

None

6.1.3.1.3 Request Parameters

None

6.1.3.1.4 Example of Request Parameters

None

6.1.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.1.3.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Reboot",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.1.4 Upgrade

6.1.4.1 Performing Device Software Upgrade

6.1.4.1.1 Overview

Names	Description
Interface Description	When local upgrade, can pass/LAPI/V1.0/System/UploadFirmware upload software version. Can/LAPI/V1.0/System/UpgradeStatus interface to track the status of upgrade
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Upgrade
Interface request method	PUT
Data submission method	application/json

6.1.4.1.2 URL Description

None

6.1.4.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
UpgradeType	integer	body	true	Upgrade type

Parameter Names	Parameter type	Parameter location	Required	Description
				1: Cloud upgrade 2: USB flash drive upgrade 3: Local upgrade

6.1.4.1.4 Example of Request Parameters

```
{
   "UpgradeType": 1
}
```

6.1.4.1.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++UpgradeTaskID	string	body	false	Upgrade the task number Verify the upgrade task This parameter is mandatory when the NVR local upgrade is performed String length range: [1, 128]

6.1.4.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Upgrade",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "UpgradeTaskID": "b698daa0248c680fdf6655c9a5f679e4@1705393389"
      }
   }
}
```

6.1.4.2 Uploading a Software Version

6.1.4.2.1 Overview

Names	Description
Interface Description	Can/LAPI/V1.0/System/UpgradeStatus interface to track the status of upgrade
Interface version	V1.0
Interface address	/LAPI/V1.0/System/UploadFirmware?UpgradeTaskID=<UpgradeTaskID>
Interface request Method	POST
How to submit data	application/json

6.1.4.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
UpgradeTaskID	array	false		Upgrade task ID, which is used to verify the upgrade task NVR local Upgrade when required by the/LAPI/V1.0/System/Upgrade interface to return

6.1.4.2.3 Request Parameters

Description
The Content-Dispostion line, Content-Type line, and blank line are also standard file transfer http message bodies

6.1.4.2.4 Example of Request Parameters

```
Accept-Encoding: gzip, deflate
Content-Length: 25665652
Content-Type: multipart/form-data;  boundary=--------------------------5851473516029
-- -- -- -
```

6.1.4.2.6 Examples of Return Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/UploadFirmware?UpgradeTaskID=<UpgradeTaskID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.1.4.3 Query the Upgrade Status of the Device

6.1.4.3.1 Overview

Names	Description
Interface Description	Query the Upgrade Status of the Device
Interface version	V1.0
Interface address	/LAPI/V1.0/System/UpgradeStatus
Interface Request Method	GET
How data is submitted	application/json

6.1.4.3.2 URL Description

None

6.1.4.3.3 Request Parameters

None

6.1.4.3.4 Example of Request Parameters

None

6.1.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter position	Required	Description
+Data	object	body	true	Response results
++ID	integer	body	true	Video input channel number At the interface/LAPI/V1.0/System/UpgradeStatus the value in the meaningless, the default is 0 At the interface/LAPI/V1.0/Channels/System/UpgradeStatuses the value is in the video input channel number The value is 0 when the current NVR itself is upgraded
++Status	integer	body	true	Upgrade status 4: Upgrading 8: Upgrade completed
++Percent	integer	body	true	Progress by state Required when Status is 4 Value range: [0, 100]

6.1.4.3.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/UpgradeStatus",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "ID": 0,
         "Status": 4,
         "Percent": 50
      }
   }
}
```

6.1.5 Equipment

6.1.5.1 Get Device Information

6.1.5.1.1 Overview

Names	Description
Interface Description	Get Device Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/DeviceInfo
Interface Request Method	GET
How data is submitted	application/json

6.1.5.1.2 URL Description

None

6.1.5.1.3 Request Parameters

None

6.1.5.1.4 Example of Request Parameters

None

6.1.5.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Video input channel number The channel number is the same as the channel number specified when delivering, and the value is: [1,X],X depends on the number of channels currently accessed The NVR acquires information about itself, and the value must be 0 Value range: [0,]
++DeviceName	string	body	true	Device name
++DeviceType	integer	body	true	Device type Currently implemented as: 0: DVR 1: NVR 6: HNVR 7: AIBOX
++DeviceCode	integer	body	true	Device number NVR is not currently supported, must carry 0 Value range: [0, 255] Default value: 1
++DeviceModel	string	body	true	Device model number String length range: [0, 255]
++SerialNumber	string	body	true	Device serial number String length range: [0, 255]
++FirmwareVersion	string	body	true	Software version program version. The value contains 0 to 255 characters String length range: [0, 255]

Parameter names	Parameter type	Parameter location	Required	Description
++HardwareID	string	body	true	Hardware identification NVR is not currently supported and must carry an empty string String length range: [0, 255]
++UbootVersion	string	body	true	UBOOT Boot version Currently not supported by NVR, must carry empty string String length range: [0, 255]
++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64] Default: UNIVIEW

6.1.5.1.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/DeviceInfo",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "DeviceName": "NVR-S300-R24@256",
      "DeviceType": 1,
      "DeviceCode": 1,
      "DeviceModel": "NVR-S300-R24@256",
      "SerialNumber": "210235C3E47291000091",
      "HardwareID": "",
      "UbootVersion": "",
      "Manufacturer": "UNIVIEW",
      "FirmwareVersion": "NVR-B5201.38.39.231216",
      "BuildDate": {
        "Year": 2024,
        "Month": 1,
        "Day": 16,
        "Hour": "",
        "Minute": ""
      }
    }
  }
}
```


6.1.6 Channels

6.1.6.1 Query Details About All Channels

6.1.6.1.1 Overview

Names	Description
Interface Description	Query Details About All Channels
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Channels/System/ChannelDetailInfos
Interface request method	GET
How data is submitted	application/json

6.1.6.1.2 URL Description

None

6.1.6.1.3 Request Parameters

None

6.1.6.1.4 Example of Request Parameters

None

6.1.6.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Nums	integer	body	true	Number of channels The number of all video channels on the device Value range: [0, 2]
++DetailInfos	object[]	body	false	Video channel details list This node is optional when Nums is 0
+++ID	integer	body	true	Channel number The lower limit is 1, and the upper limit depends on the device specifications The value ranges from: [1,] Default value: 1
+++Name	string	body	true	Channel name String length range: [0, 63]
+++Status	integer	body	true	Channel status 0: Offline 1: Online 2: Idle

Parameter names	Parameter type	Parameter location	Required	Description
+++IsPoEPort	integer	body	true	PoE port PoE port or not 0: No 1: Yes
+++PoEStatus	integer	body	false	PoE port status When IsPoEPort=0, this field is not available 1: Normal 2: Underpowered 4: Port load power exceeds rated power 8: The port does not need power supply
+++StreamNums	integer	body	false	Number of media streams Number of supported media streams, without this field when Status=2
+++DeviceType	integer	body	false	Device type Type of the device to which the channel is connected. When Status=2, this field is not available 0: Fixed camera 1: PTZ camera 2: Non-economic fisheye 3: Economic fisheye
+++AddressInfo	object	body	false	Device address information This field is not available when Status=2
++++AddressType	integer	body	true	The address type can be IPV4, IPV6, or domain name Value range: [0, 2] 0: IPV4 1: IPV6 2: Domain name
++++Address	string	body	true	Device IP address/domain address, range: [0, 128]
++++Port	integer	body	true	Server port Value range: [1, 65535] Default value: 80
++++AccessAddress	string	body	true	Device access address String length range: [0, 63]
++++MAC	string	body	true	Access device MAC address String length range: [0, 63]
+++DDNSAddress	string	body	false	DDNS server address This option is required when AddType is 2 String length range: [0, 64]
+++AccessProtocol	integer	body	false	Access Protocol This field is not available when Status=2 1: ONVIF 2: Private 3: National standard 4: RTSP 100: Custom 1 101: Custom 2 102: Custom 3 103: Custom 4

Parameter names	Parameter type	Parameter location	Required	Description
				104: Custom 5 105: Custom 6 106: Custom 7 107: Custom 8 108: Custom 9 109: Custom 10 110: Custom 11 111: Custom 12 112: Custom 13 113: Custom 14 114: Customize 15 115: Custom 16
+++OffReason	integer	body	false	Cause the access device is offline When Status=2, this field is not available 0: Offline, in link 1: Online 2: Offline, user password is incorrect 3: Offline, the network is disconnected 4: Offline, failed to set live stream 5: Offline, failed to start live stream 6: Offline, the media stream is interrupted 7: Offline, timeout 8: Offline, IPC waits for registration message 9: Offline, GB IPC modifies the stream transmission protocol 10: Offline, the power supply to the PoE port is abnormal 11: Offline, the bandwidth is insufficient 12: Offline, weak password denies access
+++RemoteIndex	integer	body	false	Remote channel number Channel number of a multi-channel device, without this field when Status=2
+++Manufacturer	string	body	false	Vendor information When Status=2, this field is unavailable String length range: [0, 31]
+++DeviceModel	string	body	false	Device model This field is not available when Status=2 String length range: [0, 31]
+++GBID	string	body	false	National standard resource coding String length range: [0, 31]
+++AddType	integer	body	false	Add way When Status=2, this field is not available 0: Manual 1: Plug and play
+++AllowDistribution	integer	body	true	Whether the channel allows distribution 0: No 1: Allowed

6.1.6.1.6 Return Parameter Examples

```
{
  "Response": {
```

```
"ResponseURL": "string",
"ResponseCode": 0,
"SubResponseCode": 0,
"ResponseString": "string",
"StatusCode": 0,
"Data": {
  "Nums": 3,
  "DetailInfos": [
    {
      "ID": 1,
      "Name": "1111",
      "ChannelType": 0,
      "Status": 1,
      "StreamNums": 3,
      "DeviceType": 1,
      "AllowDistribution": 0,
      "AddType": 0,
      "AccessProtocol": 2,
      "OffReason": 1,
      "RemoteIndex": 1,
      "Manufacturer": "UNIVIEW",
      "DeviceModel": "IPC633I-R-X23U-DT",
      "GBID": "",
      "AddressInfo": {
        "AddressType": 0,
        "Address": "172.20.213.43",
        "Port": 80,
        "MAC": "6c:f1:7e:84:72:cb",
        "AccessAddress": "http://172.20.213.43"
      },
      "IsPoEPort": 0
    },
    {
      "ID": 2,
      "Name": "Camera 02",
      "ChannelType": 0,
      "Status": 2,
      "AllowDistribution": 0,
      "IsPoEPort": 0
    },
    {
      "ID": 3,
      "Name": " Camera 03",
      "ChannelType": 0,
      "Status": 2,
      "AllowDistribution": 0,
      "IsPoEPort": 0
    }
  ]
}
}
```


6.1.6.2 Add Video Input Channels

6.1.6.2.1 Overview

Names	Description
Interface Description	Add Video Input Channels
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/System/BasicInfos
Interface request method	POST
How to submit data	application/json

6.1.6.2.2 URL Description

None

6.1.6.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
AddType	integer	body	true	Add type It cannot be Add in plug and play mode when using the POST method 0: IP 2: EZDDNS 3: Generic domain name
AddressType	integer	body	true	IP address type 2 is required here when AddType is 2 or 3 0: IPv4 1: IPv6 2: Domain name
Address	string	body	true	IP address String length range: [0, 64]
DDNSAddress	string	body	false	DDNS server address This option is required when AddType is 3 String length range: [0, 64]
Port	integer	body	false	Port number This option is required when AddType is 0 and 3 Value range: [1, 65535]
LoginName	string	body	true	Login user name of the access device String length range: [0, 20]
PIN	string	body	true	Login password The ciphertext delivered here is RSA encrypted and then Base64 encoded. The public and private keys are generated by the NVR If the password is empty during the configuration, an empty field is delivered String length range: [0, 255]
RSAPublicKey	object	body	true	Public key queries/LAPI/V1.0/System/RSA/PublicKey It is generated by the NVR and delivered by the client after Get it
+RSAPublicKeyE	string	body	true	RSA Public Key Field E field

Parameter Name	Parameter type	Parameter location	Required	Description
				String length range: [1, 32]
+RSAPublicKeyN	string	body	true	RSA Public Key Field N field String length range: [1, 260]
AccessProtocol	integer	body	true	Access Protocol 1: ONVIF 2: Private 3: National standard 4: RTSP 100: Custom 1 101: Custom 2 102: Custom 3 103: Custom 4 104: Custom 5 105: Custom 6 106: Custom 7 107: Custom 8 108: Custom 9 109: Custom 10 110: Custom 11 111: Custom 12 112: Custom 13 113: Custom 14 114: Custom 15 115: Custom 16
Num	integer	body	true	Access device channel number
RemoteIndexList	object[]	body	false	List of channel numbers for multi-channel access devices This object is optional if Num is 0
+RemoteIndex	integer	body	true	Channel number of the multi-channel access device
GBInfo	object	body	false	National standard information This parameter is mandatory when AccessProtocol is set to 3. Other parameters are optional
+UniCode	string	body	false	National standard resource coding The national standard agreement can be carried when it is accessed String length range: [1, 32]
+Transport	integer	body	false	Transmission mode, can be carried when national standard protocol access 0: TCP 1: UDP
IsPTZNeeded	integer	body	true	Whether a head is needed 0: Adaptive 1: No need 2: Yes

6.1.6.2.4 Example of Request Parameters

```
{
  "AddressType": 0,
```

```
  "Address": "172.20.219.99",
  "Port": 80,
  "RSAPublicKey": {
    "RSAPubLicKeyN": "C2DB4F777680E428D333F2D05919BD95D43BB4F503C97AD0EC01DFA4C82AAA5B0CD75DDC695CDE130C9635567E2895FD8FE975E7601E0266BC0C5B473910BBADB6DEBF76D21327CFF0290A23710688C535F0CEAFE0D46AC3F2C76690D439C919FA7857874E84F992388838B1798FAA9F768F40753841A43FEFBCDB6F399C9869",
    "RSAPubLicKeyE": "10001"
  },
  "AddType": 0,
  "LoginName": "admin",
  "PIN": "PvYx8OYxHcQaQYmY3HdqLg/3bv0QfCwQCy7saymIe0vONggipweStxIqfK6C/hDHfAKfaIiY+mde69bpsxhZs8Vy3vz3oB4NjCok2TOGlto2MasOn2ihk4LR5ms2MpzIeCoOg1DeH9UzTUSh5dkwgISfPIqq5+yf8fIVrbjIPeI=",
  "AccessProtocol": 2,
  "IsPTZNeeded": 0,
  "Num": 1,
  "RemoteIndexList": [
    1
  ]
}
```


6.1.6.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of access device channels. The value is not 0
++ChannelList	object[]	body	true	Bind the list of channel ids, and do not fill in the device automatically assigned
+++ChannelID	integer	body	true	Bind channel ID

6.1.6.2.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/System/BasicInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "ChannelList": [
        {
          "ChannelID": 2
        }
```

```
      ]
    }
  }
}
```

6.1.6.3 Get Basic Information About a Specified Video Input Channel

6.1.6.3.1 Overview

Names	Description
Interface Description	Get Basic Information About a Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/System/BasicInfo
Interface request method	GET
How data is submitted	application/json

6.1.6.3.2 URL Description

None

6.1.6.3.3 Request Parameters

None

6.1.6.3.4 Example of Request Parameters

None

6.1.6.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++AddressType	integer	body	true	IP address type 2 is required here when AddType is 2 or 3 Value range: [0, 2] 0: IPv4

Parameter names	Parameter type	Parameter location	Required	Description
				1: IPv6 2: Domain name
++Address	string	body	true	IP address String length range: [0, 64]
++DDNSAddress	string	body	false	DDNS server address This option is required when AddType is 2 String length range: [0, 64]
++Port	integer	body	false	Port number This field is mandatory when AddType is 0, 1, or 3 When AddType is 2, this field is optional Value range: [1, 65535] Default value: 80
++LoginName	string	body	true	The login user name of the access device String length range: [0, 20]
++AccessProtocol	integer	body	true	Access Protocol 1: ONVIF 2: Private 3: National standard 4: RTSP 100: Custom 1 101: Custom 2 102: Custom 3 103: Custom 4 104: Custom 5 105: Custom 6 106: Custom 7 107: Custom 8 108: Custom 9 109: Custom 10 110: Custom 11 111: Custom 12 112: Custom 13 113: Custom 14 114: Custom 15 115: Custom 16
++AddType	integer	body	true	Ways to add Value range: [0, 3] 0: IP 1: Plug and play 2: EZDDNS 3: Generic domain name
++RemoteIndex	integer	body	true	Channel number of the multi-channel access device
++GBInfo	object	body	false	National standard information This parameter is mandatory when AccessProtocol is set to 3. Other parameters are optional
+++GBID	string	body	true	National standard resource coding String length range: [1, 32]
+++TransportMode	integer	body	true	Transfer mode Value range: [0, 1]

Parameter names	Parameter type	Parameter location	Required	Description
				0: TCP 1: UDP
++LongHaulEnabled	integer	body	false	Long-distance transmission is enabled This object is mandatory when the AddType value is 1 0: disables this parameter 1: Enables the function
++IsPTZNeeded	integer	body	true	Whether a head is needed Value range: [0, 2] 0: adaptive 1: No need 2: Yes

6.1.6.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/System/BasicInfo",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "AddType": 0,
      "AddressType": 0,
      "Address": "172.20.213.43",
      "Port": 80,
      "LoginName": "admin",
      "AccessProtocol": 2,
      "RemoteIndex": 1,
      "IsPTZNeeded": 0
    }
  }
}
```


6.1.6.4 Get Device Information for the Specified Channel

6.1.6.4.1 Overview

Names	Description
Interface Description	Get Device Information for the Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/System/DeviceInfo
Interface request method	GET
How data is submitted	application/json

6.1.6.4.2 URL Description

None

6.1.6.4.3 Request Parameters

None

6.1.6.4.4 Example of Request Parameters

None

6.1.6.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Video input channel number The channel number is the same as the channel number specified when delivering, and the value is: [1,X],X depends on the number of channels currently accessed Value range: [0,]
++DeviceName	string	body	true	Device name Current NVR does not support, must carry empty string String length range: [0, 127]
++DeviceType	integer	body	true	Device type Currently not supported by NVR, only carried 0: IPC
++DeviceCode	integer	body	true	Device number NVR is not currently supported, must carry 0 Value range: [0, 255] Default value: 1
++DeviceModel	string	body	true	Device model number String length range: [0, 255]
++SerialNumber	string	body	true	Device serial number String length range: [0, 255]
++FirmwareVersion	string	body	true	Software version program version. The value contains 0 to 255 characters String length range: [0, 255]
++HardwareID	string	body	true	Hardware identification NVR is not currently supported and must carry an empty string String length range: [0, 255]

Parameter names	Parameter type	Parameter location	Required	Description
++UbootVersion	string	body	true	UBOOT Boot version Current NVR does not support, must carry empty string String length range: [0, 255]

6.1.6.4.6 Return Parameter Examples


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/1/System/DeviceInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "ID": 1,
         "DeviceName": "",
         "DeviceType": 0,
         "DeviceCode": 0,
         "DeviceModel": "IPC633I-R-X23U-DT",
         "FirmwareVersion": "CIPC - B2302.7.60.230307",
         "SerialNumber": "210235C4YM321B000151",
         "HardwareID": "",
         "UbootVersion": ""
      }
   }
}
```


6.1.6.5 Get Device Information for All Channels

6.1.6.5.1 Overview

Names	Description
Interface Description	Get Device Information for All Channels
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/System/DeviceInfos
Interface request method	GET
How data is submitted	application/json

6.1.6.5.2 URL Description

None

6.1.6.5.3 Request Parameters

None

6.1.6.5.4 Example of Request Parameters

None

6.1.6.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Nums	integer	body	true	Number of channels to access the device
++DeviceInfos	object[]	body	false	Device information list This node is optional when the number of access device channels (Nums) is 0
+++ID	integer	body	true	Video input channel number The channel number is the same as the channel number specified when delivering, and the value is: [1,X],X depends on the number of channels currently accessed Value range: [0,]
+++DeviceName	string	body	true	Device name String length range: [0, 40]
+++DeviceType	integer	body	true	Device type Currently not supported by NVR, only carried 0: IPC
+++DeviceCode	integer	body	true	Equipment number NVR is not currently supported, must carry 0 Value range: [0, 255] Default value: 1
+++DeviceModel	string	body	true	Device model number String length range: [0, 255]
+++SerialNumber	string	body	true	Device serial number String length range: [0, 255]
+++FirmwareVersion	string	body	true	Software version program version. The value contains 0 to 255 characters String length range: [0, 255]
+++HardwareID	string	body	true	Hardware identification NVR is not currently supported and must carry an empty string String length range: [0, 255]
+++UbootVersion	string	body	true	UBOOT Boot version Currently not supported by NVR, must carry empty string String length range: [0, 255]

6.1.6.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/System/DeviceInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Nums": 1,
      "DeviceInfos": [
        {
          "ID": 1,
          "DeviceName": "1111",
          "DeviceType": 0,
          "DeviceCode": 0,
          "DeviceModel": "IPC633I-R-X23U-DT",
          "FirmwareVersion": "CIPC-B2302.7.60.230307",
          "SerialNumber": "210235C4YM321B000151",
          "HardwareID": "",
          "UbootVersion": ""
        }
      ]
    }
  }
}
```


6.1.6.6 Delete a Video Input Channel

6.1.6.6.1 Overview

name	Description
Interface Description	Delete a Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/System/BasicInfos
Interface request method	DELETE
Data submission method	application/json

6.1.6.6.2 URL Description

None

6.1.6.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Access device channel number Not 0
ChannelList	integer[]	body	true	List of channel numbers

6.1.6.6.4 Example of Request Parameters

```
{
   "Num": 1,
   "ChannelList": [
      2
   ]
}
```

6.1.6.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response data

6.1.6.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/System/BasicInfos",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.1.6.7 Modify Video Input Channel Information

6.1.6.7.1 Overview

Names	Description
Interface Description	Modify Video Input Channel Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/System/BasicInfo
Interface request method	PUT
Data submission method	application/json

6.1.6.7.2 URL Description

None

6.1.6.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
AddressType	integer	body	true	IP address type 2 is required here when AddType is 2 or 3 Value range: [0, 2] 0: IPv4 1: IPv6 2: Domain name
Address	string	body	true	IP address String length range: [0, 64]
DDNSAddress	string	body	false	DDNS server address This option is required when AddType is 2 String length range: [0, 64]
Port	integer	body	false	Port number This field is mandatory when AddType is 0, 1, or 3 When AddType is 2, this field is optional Value range: [1, 65535] Default value: 80
LoginName	string	body	true	The login user name of the access device String length range: [0, 20]
PIN	string	body	true	Login password The ciphertext delivered here is RSA encrypted and then Base64 encoded, and the public and private keys are generated by the NVR If the password is empty during the configuration, an empty field is delivered String length range: [0, 255]
RSAPublicKey	object	body	false	Public Key information
+RSAPublicKeyE	string	body	true	RSA Public Key Field E field String length range: [1, 32]
+RSAPublicKeyN	string	body	true	RSA Public Key Field N field String length range: [1, 260]
AccessProtocol	number	body	true	Access Protocol 1: ONVIF 2: Private 3: National standard 4: RTSP 100: Custom 1 101: Custom 2 102: Custom 3 103: Custom 4 104: Custom 5 105: Custom 6 106: Custom 7

Parameter Names	Parameter type	Parameter location	Required	Description
				107: Custom 8 108: Custom 9 109: Custom 10 110: Custom 11 111: Custom 12 112: Custom 13 113: Custom 14 114: Custom 15 115: Custom 16
AddType	integer	body	true	Ways to add Value range: [0, 3] 0: IP 1: Plug and play 2: EZDDNS 3: Generic domain name
RemoteIndex	integer	body	true	Channel number of the multi-channel access device
GBInfo	object	body	false	National standard information This parameter is mandatory when AccessProtocol is set to 3. Other parameters are optional
+UniCode	string	body	false	National standard resource coding The national standard agreement can be carried when it is accessed String length range: [1, 32]
+Transport	integer	body	false	Transmission mode, can be carried when national standard protocol access 0: TCP 1: UDP
LongHaulEnabled	integer	body	false	Long-distance transmission is enabled This object is required when the value of AddType is 1 0: Disabled 1: enabled
IsPTZNeeded	integer	body	true	Whether you need a head Value range: [0, 2] 0: adaptive 1: No need 2: Yes

6.1.6.7.4 Example of Request Parameters

```
{
  "AddressType": 0,
  "Address": "172.20.213.194",
  "Port": 443,
  "RSAPublicKey": {
      "RSAPubLicKeyN": "C2DB4F777680E428D333F2D05919BD95D43BB4F503C97AD0EC01DFA4C82AAA5B0CD75DDC695CDE130C9635567E2895FD8FE975E7601E0266BC0C5B473910BBADB6DEBF76D21327CFF0290A23710688C535F0CEAFE0D46AC3F2C76690D439C919FA7857874E84F992388838B1798FAA9F768F40753841A43FEFBCDB6F399C9869",
      "RSAPubLicKeyE": "10001"
  },
  "AddType": 0,
```

```
  "LoginName": "admin",
  "PIN": "DxKYzFYvQ4IMDCKZRgHS3CE63AQczVgdcQomTHzLg3CuMPOSVM6aySTQV9mcDycH30CsYK/taqJE6UyzGINAkouGYQ5k
CN0KpLnlyWEz4iBAhnHD4tPVm8Y83gZgW76/qJw+5+TwteLRdOTcFRyEqj7RzZXSYysX08uQdGqduFs=",
  "AccessProtocol": 2,
  "IsPTZNeeded": 0,
  "RemoteIndex": 1
}
```


6.1.6.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.1.6.7.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/System/BasicInfo",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.1.6.8 Device Discovery

6.1.6.8.1 Overview

Names	Description
Interface Description	Device Discovery
Interface version	V1.0
Interface address	/LAPI/V1.0/System/DiscoverDevice
Interface request method	PUT
Data submission method	application/json

6.1.6.8.2 URL Description

None

6.1.6.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
BeginIP	string	body	false	Origin address information IP address or domain name, no IP range specified This value is 0 String length range: [0, 128] Default value: 0
EndIP	string	body	false	End address information IP address or domain name, no IP range specified This value is 0 String length range: [0, 128] Default value: 0

6.1.6.8.4 Example of Request Parameters

```
{
   "BeginIP": "10.10.10.1",
   "EndIP": "10.10.10.255"
}
```

6.1.6.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response data

6.1.6.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/DiscoverDevice",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.1.6.9 Get the Device Discovery List

6.1.6.9.1 Overview

name	Description
Interface Description	Get an information list of all devices found, including onvif and GB devices
Interface version	V1.0
Interface address	/LAPI/V1.1/System/DiscoverDevice
Interface request method	GET
How data is submitted	application/json

6.1.6.9.2 URL Description

None

6.1.6.9.3 Request Parameters

None

6.1.6.9.4 Example of Request Parameters

None

6.1.6.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of devices
++DeviceInfoList	object[]	body	false	Device discovery information list This object is optional when Num is 0
+++Port	integer	body	true	Port information
+++IsAdd	integer	body	true	Whether it has been Add 0: Not Add 1: Add
+++IP	string	body	true	IP address String length range: [0, 64]

Parameter names	Parameter type	Parameter location	Required	Description
+++DevModel	string	body	true	Device model number String length range: [0, 64]
+++SerialNumber	string	body	true	Device serial number String length range: [0, 64]
+++FirmwareVersion	string	body	true	Software version program version, string length range: [0, 255]
+++DevMac	string	body	true	MAC address String length range: [0, 64]
+++Manufacturer	string	body	true	Equipment manufacturer String length range: [0, 64]

6.1.6.9.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.1/System/DiscoverDevice",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "DeviceInfoList": [
        {
          "IP": "10.10.10.45",
          "Port": 80,
          "DevMAC": "00:00:00:00:00:00",
          "Manufacturer": "UNIVIEW",
          "DevModel": "QIPC-B12-I6",
          "SerialNumber": "",
          "FirmwareVersion": "",
          "IsAdd": 0
        }
      ]
    }
  }
}
```


6.1.7 Security

6.1.7.1 Query System RSA Information

6.1.7.1.1 Overview

Names	Description
Interface Description	After the System Restarts, Get the RSA Information Again
Interface version	V1.0
Interface address	/LAPI/V1.1/System/Security/RSA

Names	Description
Interface request method	GET
How data is submitted	application/json

6.1.7.1.2 URL Description

None

6.1.7.1.3 Request Parameters

None

6.1.7.1.4 Example of Request Parameters

None

6.1.7.1.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++RSAPublicKeyE	string	body	true	RSA Public Key Field E field, string length range: [1, 32]
++RSAPublicKeyN	string	body	true	RSA Public Key field N field, string length range: [1, 260]

6.1.7.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.1/System/Security/RSA",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "RSAPublicKeyE": "65537",
         "RSAPublicKeyN": "909ax81asd75dd24684s571216z1654sd84w9e8f"
      }
   }
}
```

6.1.8 Factory Restoration

6.1.8.1 Restoring the Device to Default Set s

6.1.8.1.1 Overview

Names	Description
Interface Description	Restoring the Device to Default Set s
Interface version	V1.0
Interface address	/LAPI/V1.0/System/FactoryReset
Interface request method	PUT
Data submission method	application/json

6.1.8.1.2 URL Description

None

6.1.8.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Mode	integer	body	true	Recovery Mode 0: Simple restore, retaining network configuration and user configuration 1: Full restore, restore to factory Set s

6.1.8.1.4 Example of Request Parameters

```
{
   "Mode": 0
}
```

6.1.8.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response data

6.1.8.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/FactoryReset",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2 PTZ

6.2.1 Capabilities

6.2.1.1 Query PTZ Capabilities

6.2.1.1.1 Overview

Names	Description
Interface Description	Query the PTZ Capability of a Specified Video Output Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities
Interface request method	GET
How data is submitted	application/json

6.2.1.1.2 URL Description

None

6.2.1.1.3 Request Parameters

None

6.2.1.1.4 Example of Request Parameters

None

6.2.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportPTZ	integer	body	true	Whether PTZ is supported or not Default: 1 0: Not supported 1: Supported
++IsSupportRecordPatrol	integer	body	true	Whether recording cruise is supported Default: 1 0: Not supported 1: Supported
++ptzCruiseNum	integer	body	true	Number of supported Preset cruise bars
++CustomProtocolNum	integer	body	false	PTZ custom protocol number
++PTZCustomProtocolList	object[]	body	false	PTZ custom protocol list, optional when the number of custom protocols is 0
+++ProtocolID	integer	body	false	Protocol ID, starting from 0, optional when the number of custom protocols is 0
+++ProtocolName	string	body	false	Protocol name, optional when the number of custom protocols is 0 String length range: [1, 32]
++SupportPatrolSpeed	integer	body	true	Whether Preset cruise speed is supported 0: Not supported 1: Supported
++SupportPreset	integer	body	false	Whether Preset are supported 0: Not supported 1: Supported This field must be 1 when PTZ is supported
++PlanPatrol	object	body	false	Preset cruise information list This field is required when PTZ is supported
+++SupportPlanPatrol	integer	body	true	Whether Preset cruise is supported 0: Not supported 1: Supported This field must be 1 when PTZ is supported
+++MaxStayTime	integer	body	true	Supports maximum stay time of cruising action, in seconds
+++MinStayTime	integer	body	true	Minimum stay time for cruise action supported, in seconds

Parameter names	Parameter type	Parameter location	Required	Description
++Guard	object	body	false	PTZ watch capability, this field is mandatory when PTZ is supported
+++IsSupportGuard	integer	body	true	Whether to support Pinion Watch: 0: No 1: Supported
+++Num	integer	body	false	Number of pinion watch modes
+++ModeList	integer[]	body	false	Supported PTZ watch mode 0: Preset 1: Preset cruise 2: Track cruise
+++MinTime	integer	body	false	The minimum value of the pylon watch time, in seconds
+++MaxTime	integer	body	false	The maximum number of PTZ watch times supported, in seconds

6.2.1.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportPTZ": 1,
      "IsSupportRecordPatrol": 0,
      "ptzCruiseNum": 0,
      "CustomProtocolNum": 1,
      "PTZCustomProtocolList": [
        {
          "ProtocolID": 0,
          "ProtocolName": "string"
        }
      ],
      "SupportPatrolSpeed": 1,
      "SupportPreset": 1,
      "PlanPatrol": {
        "SupportPlanPatrol": 1,
        "MaxStayTime": 1800,
        "MinStayTime": 0
      },
      "Guard": {
        "IsSupportGuard": 1,
        "Num": 1,
        "ModeList": [
          1
        ],
        "MinTime": 1,
        "MaxTime": 3600
      }
    }
  }
}
```

6.2.2 PTZ Control

6.2.2.1 Ptz Control Instruction

6.2.2.1.1 Overview

Names	Description
Interface description	Operate the PTZ of the Designated Video Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/PTZCtrl
Interface request method	PUT
Data submission method	application/json

6.2.2.1.2 URL Description

None

6.2.2.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
PTZCmd	integer	body	true	Gimbal operation command word, enter decimal, example "1794 (0x0702)" 0x0101: Stop with smaller aperture 0x0102: Aperture gets smaller 0x0103: Aperture gets larger stops 0x0104: Aperture becomes larger 0x0201: Near focus stops 0x0202: Near focus 0x0203: Far focus stops 0x0204: Far Focus 0x0301: Zoom stops 0x0302: Zoom in 0x0303: Zoom in stops 0x0304: Zoom out 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset Set instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right 0x0804: Bottom right 0x0901: Stop 0x0A01: Wiper on 0x0A02: Wipers off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on

Parameter Names	Parameter type	Parameter location	Required	Description
				0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: Infrared Off 0x0D03: Fill light control 0x1001: PTZ cruise on Preset 0x1002: PTZ cruises off on Preset 0x1301: Snow Removal mode activated 0x1302: Snow Removal Mode is off 0x1403: Scene Lock on 0x1404: Scene Lock turned off
Para1	integer	body	false	PTZ command argument 1 When the parameter PTZCmd is 0x402-0x804, it represents the transverse speed, which is 0 when "turn up (0x402)" and "turn down (0x404)" When the parameter PTZCmd is "Preset set instruction (0x0601)" or "Preset call instruction (0x0602)", it indicates the Preset ID When the parameter PTZCmd is "Snow removal mode (0x1301)", it indicates the intensity The parameter PTZCmd is otherwise optional Value range: [1, 9]
Para2	integer	body	false	PTZ command argument 2 When the parameter PTZCmd is 0x402-0x804, it represents the longitudinal speed, and the longitudinal speed is 0 when "turn left (0x504)", "turn right (0x502)" If PTZCmd is not 0x402-0x804, this parameter is optional Value range: [1, 9]
Para3	integer	body	false	PTZ command parameter 3, do not use, fill in 0 can

6.2.2.1.4 Example of Request Parameters

```
{
   "PTZCmd": "1794",
   "Para1": 2,
   "Para2": 2,
   "Para3": 0
}
```

6.2.2.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.2.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/PTZCtrl",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2.3 Preset

6.2.3.1 Get Preset Information

6.2.3.1.1 Overview

Names	Description
Interface Description	Get the PTZ Preset List Information for the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets
Interface request method	GET
How data is submitted	application/json

6.2.3.1.2 URL Description

None

6.2.3.1.3 Request Parameters

None

6.2.3.1.4 Example of Request Parameters

None

6.2.3.1.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success

Parameter Names	Parameter type	Parameter position	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Nums	integer	body	true	Preset number of bits Value range: [0, 256]
++PresetInfos	object[]	body	false	Preset list
+++ID	integer	body	true	Preset number Value range: [1,] Default value: 1
+++Name	string	body	true	Preset name Default: Preset1 String length range: [1, 64]

6.2.3.1.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Nums": 1,
      "PresetInfos": [
        {
          "ID": 1,
          "Name": "001"
        }
      ]
    }
  }
}
```

6.2.3.2 Modify Preset Information

6.2.3.2.1 Overview

Names	Description
Interface Description	Modify the Preset Information for Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>

Names	Description
Interface request method	PUT
Data submission method	application/json

6.2.3.2.2 URL Description

None

6.2.3.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Preset number Value range: [1,] Default value: 1
Name	string	body	true	Preset name Default: Preset1 String length range: [1, 64]

6.2.3.2.4 Example of Request Parameters

```
{
   "ID": 1,
   "Name": "001"
}
```

6.2.3.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.3.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
```

```
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.2.3.3 Delete Preset Information

6.2.3.3.1 Overview

Names	Description
Interface Description	Deletes Preset on the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>
Interface request method	DELETE
Data submission method	application/json

6.2.3.3.2 URL Description

None

6.2.3.3.3 Request Parameters

None

6.2.3.3.4 Example of Request Parameters

None

6.2.3.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success.
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.3.3.6 Examples of Return Parameters

```
{
```

```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>".
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.2.3.4 Go to SPECIFY PRESET

6.2.3.4.1 Overview

Names	Description
Interface Description	Turn the PTZ of the Specified Video Channel to the Specified Preset
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>/Goto
Interface request method	PUT
Data submission method	application/json

6.2.3.4.2 URL Description

None

6.2.3.4.3 Request Parameters

None

6.2.3.4.4 Example of Request Parameters

None

6.2.3.4.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.3.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>/Goto",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2.4 Pull Frame to Enlarge

6.2.4.1 PTZ frame zoom in

6.2.4.1.1 Overview

Names	Description
Interface Description	For the Specified Video Channel, the PTZ Frame is Enlarged.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomIn
Interface request method	PUT
Data submission method	application/json

6.2.4.1.2 URL Description

None

6.2.4.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
CenterPointX	integer<ushort>	body	true	Pull frame center point horizontal coordinate The size does not exceed Width relative to the coordinate value of the Width of the playback window Default: 500
CenterPointY	integer<ushort>	body	true	Pull frame center point ordinate The size does not exceed Height relative to the coordinate value of the Height of the playback window Default: 500
LengthX	integer<ushort>	body	true	The Width of the pull box relative to the Width of the playback window width, the size does not exceed Width; Center point positioning can be filled with 0;

Parameter Names	Parameter type	Parameter location	Required	Description
LengthY	integer<ushort>	body	true	The size does not exceed the Height of the pull frame relative to the Height of the playback window Height; 0 can be filled when the center point is positioned;
Width	integer<ushort>	body	true	Actual play window width Default: 1920
Height	integer<ushort>	body	true	Actual play window height Default: 1080

6.2.4.1.4 Example for Request Parameters

```
{
   "CenterPointX": 500,
   "CenterPointY": 500,
   "LengthX": 0,
   "LengthY": 0,
   "Width": 1920,
   "Height": 1080
}
```

6.2.4.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.4.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomIn",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2.4.2 PTZ Frame Reduction

6.2.4.2.1 Overview

Names	Description
Interface Description	For the specified video channel, PTZ frame reduction.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomOut
Interface request method	PUT
Data submission method	application/json

6.2.4.2.2 URL Description

None

6.2.4.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
CenterPointX	integer<ushort>	body	true	Pull frame center point horizontal coordinate The size does not exceed Width relative to the coordinate value of the Width of the playback window Default: 500
CenterPointY	integer<ushort>	body	true	Pull frame center point ordinate The size does not exceed Height relative to the coordinate value of the Height of the playback window Default: 500
LengthX	integer<ushort>	body	true	The Width of the pull box relative to the Width of the playback window width, the size does not exceed Width; Center point positioning can be filled with 0;
LengthY	integer<ushort>	body	true	The size does not exceed the Height of the pull frame relative to the Height of the playback window Height; 0 can be filled when the center point is positioned;
Width	integer<ushort>	body	true	Actual play window width Default: 1920
Height	integer<ushort>	body	true	Actual play window height Default: 1080

6.2.4.2.4 Example for Request Parameters

```
{
  "CenterPointX": 500,
  "CenterPointY": 500,
  "LengthX": 0,
  "LengthY": 0,
  "Width": 1920,
  "Height": 1080
```

```
}
```

6.2.4.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.4.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomOut",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2.5 Cruising

6.2.5.1 Start the Cruise

6.2.5.1.1 Overview

Names	Description
Interface Description	Open the normal cruise/Preset cruise of a certain route of the specified video channel, and the ID of the patrol is the serial number of the cruise route
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Start
Interface request method	PUT
Data submission method	application/json

6.2.5.1.2 URL Description

None

6.2.5.1.3 Request Parameters

None

6.2.5.1.4 Example of Request Parameters

None

6.2.5.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Start",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2.5.2 Stop Cruising

6.2.5.2.1 Overview

Names	Description
Interface Description	Stop the normal cruise/Preset cruise of a certain route of the specified video channel, and the ID of the patrol is the serial number of the cruise route.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Stop
Interface request method	PUT
Data submission method	application/json

6.2.5.2.2 URL Description

None

6.2.5.2.3 Request Parameters

None

6.2.5.2.4 Example of Request Parameters

None

6.2.5.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Stop",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.2.5.3 Query Cruise Route Information

6.2.5.3.1 Overview

Names	Description
Interface Description	Query information about a cruise route in a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Interface request method	GET

Names	Description
How data is submitted	application/json

6.2.5.3.2 URL Description

None

6.2.5.3.3 Request Parameters

None

6.2.5.3.4 Example of Request Parameters

None

6.2.5.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when Set Value range: [0,]
++Num	integer	body	true	The number of actions for the PTZ operation
++Actions	object	body	false	Action information for the PTZ operation. This field is optional when Num is 0
+++ID	integer	body	false	Cruise action ID Count from 0 Value range: [0,]
+++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the Preset, enter 1538 This field must currently be 0x0602 for this interface Default value: 1538 0x0302: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0602: Preset call instruction 0x0702: Top left

Parameter names	Parameter type	Parameter location	Required	Description
				0x0704: Bottom left 0x0802: Top right 0x0804: Lower right 0x0901: Stop
+++Para1	integer	body	true	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
+++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402 and 0x404 mandatory. If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
+++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
+++PresetID	integer	body	true	Preset sequence number
+++Duration	integer	body	true	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Num": 1,
      "Actions": {
        "ID": 0,
        "Type": 1538,
        "Para1": 4,
        "Para2": 1,
        "Para3": 0,
        "PresetID": 1,
        "Duration": 1000
      }
    }
  }
}
```


6.2.5.4 Modify Cruise Route Information

6.2.5.4.1 Overview

Names	Description
Interface Description	Modify the information of a cruise route for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Interface request method	PUT
Data submission method	application/json

6.2.5.4.2 URL Description

None

6.2.5.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when Set Value range: [0,]
Num	integer	body	true	The number of actions for the PTZ operation
Actions	object	body	false	This field is optional when Num is 0
+ID	integer	body	false	Cruise action ID Count from 0 Value range: [0,]
+Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the Preset, enter 1538 This field must currently be 0x0602 for this interface Default value: 1538 0x0302: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0602: Preset call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right 0x0804: Bottom right 0x0901: Stop
+Para1	integer	body	true	PTZ command parameter 1, lateral speed If PTZCmd is 0x402-0x804, the horizontal speed is 0 when go Up (0x402) or go down (0x404) Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
+Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0

Parameter Names	Parameter type	Parameter location	Required	Description
				PTZCmd is 0x402, 0x404 Required; If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
+Para3	integer	body	false	The magnification of the lens magnification *100 This value is mandatory when Type is 0x302 or 0x304
+PresetID	integer	body	true	Preset sequence number
+Duration	integer	body	true	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.4.4 Example of Request Parameters

```
{
   "ID": 0,
   "Num": 1,
   "Actions": {
      "ID": 0,
      "Type": 1538,
      "Para1": 4,
      "Para2": 1,
      "Para3": 0,
      "PresetID": 1,
      "Duration": 1000
   }
}
```

6.2.5.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>".
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.2.5.5 Batch Query Cruise Route Information List

6.2.5.5.1 Overview

Names	Description
Interface Description	Query information on all cruise routes for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Interface request method	GET
How data is submitted	application/json

6.2.5.5.2 URL Description

None

6.2.5.5.3 Request Parameters

None

6.2.5.5.4 Example of Request Parameters

None

6.2.5.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of cruise routes currently configured Default: 1

Parameter Names	Parameter type	Parameter location	Required	Description
++PatrolInfos	object[]	body	true	Cruise route information
+++ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when Set Value range: [0,]
+++Num	integer	body	true	The number of actions for the PTZ operation
+++Actions	object	body	true	Action information for pinion operation
++++ID	integer	body	false	Cruise action ID Count from 0 Value range: [0,]
++++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the Preset, enter 1538 This field must currently be 0x0602 for this interface Default value: 1538 0x0302: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0602: Preset call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right 0x0804: Bottom right 0x0901: Stop
++++Para1	integer	body	true	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402, 0x404 Required; If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
++++PresetID	integer	body	true	Preset sequence number
++++Duration	integer	body	true	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.5.6 Return Parameter Examples

```
{
```

```
"Response": {
  "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols",
  "ResponseCode": 0,
  "ResponseString": "Succeed",
  "StatusCode": 0,
  "Data": {
    "Num": 1,
    "PatrolInfos": [
      {
        "ID": 0,
        "Num": 1,
        "Actions": {
          "ID": 0,
          "Type": 1538,
          "Para1": 4,
          "Para2": 1,
          "Para3": 0,
          "PresetID": 1,
          "Duration": 1000
        }
      }
    ]
  }
}
}
```


6.2.5.6 Modify Cruise Route Information in Batches

6.2.5.6.1 Overview

Names	Description
Interface Description	Batch modify cruise route information for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Interface request method	PUT
Data submission method	application/json

6.2.5.6.2 URL Description

None

6.2.5.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of cruise routes currently configured Default: 1
PatrolInfos	object[]	body	true	Cruise route information

Parameter Names	Parameter type	Parameter location	Required	Description
+ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when Set Value range: [0,]
+Num	integer	body	true	The number of actions for the PTZ operation
+Actions	object	body	true	Action information for pinion operation
++ID	integer	body	false	Cruise action ID Count from 0 Value range: [0,]
++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the Preset, enter 1538 This field must currently be 0x0602 for this interface Default value: 1538 0x0302: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0602: Preset call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right 0x0804: Bottom right 0x0901: Stop
++Para1	integer	body	true	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402, 0x404 Required; If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++Para3	integer	body	false	Magnification of the lens *100 This value is required for Type 0x302 and 0x304
++PresetID	integer	body	true	Preset sequence number
++Duration	integer	body	true	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.6.4 Example of Request Parameters

```
{
   "Num": 1,
   "PatrolInfos": [
      {
```

```
        "ID": 0,
        "Num": 1,
        "Actions": {
          "ID": 0,
          "Type": 1538,
          "Para1": 4,
          "Para2": 1,
          "Para3": 0,
          "PresetID": 1,
          "Duration": 1000
        }
      }
  ]
}
```


6.2.5.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.6.6 Return Parameters Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.2.5.7 Start Recording Cruise

6.2.5.7.1 Overview

name	Description
Interface Description	Start the cruise of a recorded route of the specified video channel. The ID of the corresponding RecordedPatrols is the serial number of the recorded cruise line.
Interface version	V1.0

name	Description
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Start
Interface request method	PUT
Data submission method	application/json

6.2.5.7.2 URL Description

None

6.2.5.7.3 Request Parameters

None

6.2.5.7.4 Example for Request Parameters

None

6.2.5.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.7.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Start",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.2.5.8 Stop Recording Cruise

6.2.5.8.1 Overview

Names	Description
Interface Description	Stop the cruise of a recorded route of the specified video channel. The ID of the RecordedPatrols is the serial number of the recorded cruise line.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Stop
Interface request method	PUT
Data submission method	application/json

6.2.5.8.2 URL Description

None

6.2.5.8.3 Request Parameters

None

6.2.5.8.4 Example of Request Parameters

None

6.2.5.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.8.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Stop",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.2.5.9 Starting to Record the Cruise Path

6.2.5.9.1 Overview

Names	Description
Interface Description	Start recording a cruise line of the specified video channel. The ID of the corresponding RecordedPatrols is the serial number of the cruise line of the specified recording.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StartRecord
Interface request method	PUT
Data submission method	application/json

6.2.5.9.2 URL Description

None

6.2.5.9.3 Request Parameters

None

6.2.5.9.4 Example of Request Parameters

None

6.2.5.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.9.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StartRecord",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
```

```
    "Data":{}
  }
}
```

6.2.5.10 End Recording Cruise Path

6.2.5.10.1 Overview

Names	Description
Interface Description	End recording a cruise line of the specified video channel, the ID of the corresponding RecordedPatrols is the serial number of the cruise line of the specified recording, a new recording cruise path will be Add after the end of recording.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StopRecord
Interface request method	PUT
Data submission method	application/json

6.2.5.10.2 URL Description

None

6.2.5.10.3 Request Parameters

None

6.2.5.10.4 Example of Request Parameters

None

6.2.5.10.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.2.5.10.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StopRecord",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.2.5.11 Batch Query Recorded Cruise Route Information

6.2.5.11.1 Overview

Names	Description
Interface Description	Get all recorded cruise route information for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols
Interface request method	GET
How data is submitted	application/json

6.2.5.11.2 URL Description

None

6.2.5.11.3 Request Parameters

None

6.2.5.11.4 Example of Request Parameters

None

6.2.5.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter names	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Record cruise route number Value range: [0,] Default value: 1
++RecordedPatrolInfos	object[]	body	false	Record cruise route information This field is optional when Num is 0
+++ID	integer	body	true	Record cruise route serial number Set up using the serial number you have queried, counting from 0, separate sequence from normal cruise/scan cruise Value range: [0,]

6.2.5.11.6 Return Parameter Examples


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Num": 1,
         "RecordedPatrolInfos": [
            {
               "ID": 0
            }
         ]
      }
   }
}
```


6.3 Events

6.3.1 Event Subscription

6.3.1.1 Overview

Names	Description
Interface Description	Subscribe to Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Subscription
Interface request method	POST
How to submit data	application/json

6.3.1.2 URL Description

None

6.3.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
AddressType	integer	body	true	IP address type Currently, only IPv4 is supported 0: IPv4 1: IPv6 2: Domain name 3: Both IPv4 and IPv6 are required
IPAddress	string	body	true	IP address Length range: [0, 256]
Port	integer	body	true	Ports Range: [1, 65535]
Duration	integer	body	true	Subscription cycle In s, range: [30, 3600] The amount of time the subscription can be maintained, the subscription will be automatically disconnected when the time limit is reached
Type	integer	body	false	Subscription type Example: Bit14 set corresponds to the decimal number 16384 Each BIT corresponds to a subscription type. From low to high, the number is 0 to 31. The corresponding BIT is 1, indicating that the subscription type is valid Bit0: indicates the device status type alarm Bit1: Monitors service alarms Bit2: Pan-intelligent alarm Bit3: Smart alarm Bit4: Face recognition Bit5: Structured data Bit6: License plate recognition Bit8: ESP data Bit10: People verification Bit11: Vehicle traffic data Bit12: Fire point detection alarms Bit13: alarm picture data Bit14: People count Bit16: Heat map Full subscription when this field is not taken (subscribe to all alarm types)
ImagePushMode	integer	body	false	Image push mode When this field is not carried, the default is to push through Base64 data 0: Base64 data or binary data 1: local URL 2: cloud storage URL
SubscribePersonCondition	object	body	false	Subscribe to people data conditions
+LibIDNum	integer	body	false	Number of library ids subscribed to When the subscription type is 0, the LibIDNum and LibIDList fields are not required

Parameter Names	Parameter type	Parameter location	Required	Description
				When the subscription type is 1, you need to specify the number and ID value of the library ids to be subscribed. If LibIDNum is 0xFFFF, it indicates that all libraries are subscribed People check subscription (Type is 1024) interface LibIDNum can only fill 65535, LibIDList fill []
+LibIDList	object[]	body	false	List of library ids to subscribe to
++LibID	integer	body	false	The library ID of the subscription This field is optional when LibIDNum is 0

6.3.1.4 Example of Request Parameters

```
{
   "AddressType": 0,
   "IPAddress": "192.168.0.1",
   "Port": 80,
   "Duration": 30,
   "Type": 0,
   "ImagePushMode": 1,
   "SubscribePersonCondition": {
      "LibIDNum": 1,
      "LibIDList": [
         {
            "LibID": 2
         }
      ]
   }
}
```

6.3.1.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Same as the last paragraph of the URL in parameter Reference, used to identify the subscription, refresh the subscription, delete the subscription operations need to carry this ID, to indicate the need to operate the subscription, the subscriber index, -1 is invalid
++Reference	string	body	true	Subscriber description information, in URL format

Parameter names	Parameter type	Parameter location	Required	Description
++CurrentTime	integer	body	true	Subscribe to the event start time UTC time, the number of seconds since 0:00 on January 1, 1970
++TerminationTime	integer	body	true	Subscribe to event end times UTC time, the number of seconds from 0:00 on January 1, 1970

6.3.1.6 Example of Returning parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Subscription",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Reference": "192.168.0.13:80/Subscription/Subscribers/0".
      "CurrentTime": 1477104900,
      "TerminationTime": 1477104949
    }
  }
}
```

6.3.2 Refresh Subscription

6.3.2.1 Overview

Names	Description
Interface Description	Refreshing the alarm event subscription
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Subscription/<ID>
Interface request method	PUT
Data submission method	application/json

6.3.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	The alarm subscription ID is assigned by the subscriber. In the subscription alarm Event interface, a successful subscription is returned to the subscriber in the form of a return value. This ID is required to refresh or cancel the alarm subscription

6.3.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Duration	integer	body	true	Subscribe to keepalive cycles In seconds, range: [30, 3600]
Reference	string	body	false	Subscriber description information, in URL format

6.3.2.4 Example of Request Parameters

```
{
   "Duration": 300,
   "Reference": "192.168.2.57:80/Subscription/Subscribers/1000"
}
```

6.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Reference	string	body	false	Subscriber description information, in URL format
++CurrrntTime	integer	body	true	Subscribe to the event start time UTC time, the number of seconds since 0:00 on January 1, 1970
++TerminationTime	integer	body	true	Subscribe to event end times UTC time, the number of seconds from 0:00 on January 1, 1970

6.3.2.6 Example of Returning parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Subscription/<ID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
         "CurrrntTime": 1477104900,
         "TerminationTime": 1477104949
      }
   }
}
```

6.3.3 Unsubscribe

6.3.3.1 Overview

Names	Description
Interface Description	Unsubscribe the alarm events with the specified ID
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Subscription/<ID>
Interface request method	DELETE
Data submission method	application/json

6.3.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	The alarm subscription ID is assigned by the subscriber. In the subscription alarm Event interface, a successful subscription is returned to the subscriber in the form of a return value. This ID is required to refresh or cancel the alarm subscription

6.3.3.3 Request Parameters

None

6.3.3.4 Example of Request Parameters

None

6.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Subscription/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.4 Alarm Events

6.3.4.1 Overview

Names	Description
Interface Description	Push Alarm Events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Alarm
Interface request method	POST
How to submit data	application/json

6.3.4.2 URL Description

None

6.3.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmInfo	object	body	true	Alarm push message
+AlarmType	string	body	true	For details about the alarm type, see 7.3 Alarm Types
+TimeStamp	integer	body	true	Alarm time
+AlarmSrcID	integer	body	true	Alarm source ID
+AlarmSrcType	string	body	true	Alarm source type
+RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
+DeviceID	string	body	false	Alarm device ID

Parameter Names	Parameter type	Parameter location	Required	Description
				Fill in the GB registration code when the GB protocol is accessed, length [1,32]
RelatedObjects	object	body	true	Target information about the alarm associated data This field is required when an alarm is reported with the associated target data
+ObjectNum	integer	body	true	Number of goals
+ObjectList	object[]	body	true	List of goals
++ObjectType	integer	body	true	Target type 1: Face 2: Human body 3: Non-motor vehicle 4: Motor vehicle 255: Unknown/unidentified target type
++ObjectID	integer	body	true	Target ID

6.3.4.4 Example of Request Parameters

```
{
   "Reference": "192.168.0.13:80/Subscription/Subscribers/1",
   "AlarmInfo": {
      "AlarmType": "\"MotionAlarmOn\"",
      "TimeStamp": 1489040894,
      "AlarmSrcID": 860,
      "AlarmSrcType": "string",
      "RelatedID": "5ED9FE4C0000001",
      "DeviceID": "28000190234212343478"
   },
   "RelatedObjects": {
      "ObjectNum": 1,
      "ObjectList": [
         {
            "ObjectType": 1,
            "ObjectID": 0
         }
      ]
   }
}
```

6.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Alarm".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.5 Hard Hat Chef Hat Detection Event

6.3.5.1 Overview

Names	Description
Interface Description	Push no chef hat, no hard hat event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/HatDetection
Interface request method	POST
How to submit data	application/json

6.3.5.2 URL Description

None

6.3.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: Helps to distinguish different subscribing clients when the same IP and port user logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details SafetyHelmetAlarm: Not wearing a hat ChefHatAlarm: Not wearing a chef's hat
TimeStamp	integer	body	true	Report data generation time

Parameter Names	Parameter type	Parameter location	Required	Description
				UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	true	Alarm source name String length range: [1, 63]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
AlarmPicture	object	body	true	Alarm picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount

Parameter Names	Parameter type	Parameter location	Required	Description
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.5.4 Example of Request Parameters

```
{
 "Reference": "172.20.228.9:80/210235C79M3233000001/Subscription/Subscribers/2",
 "AlarmType": "ChefHatAlarm",
 "TimeStamp": 1706528537,
 "SourceID": 1,
 "Seq": 870,
 "RelatedID": "002001706528537",
 "DeviceID": "",
 "SourceName": "..... 01",
 "TargetsInfo": {
  "TargetsInfoNum": 1,
  "TargetsInfoList": [{
   "Index": 1,
   "ImageID": 1,
   "Position": "4317,55;4864,1009"
  }]
 },
 "AlarmPicture": {
  "ImageNum": 2,
  "ImageList": [{
   "Index": 1,
   "Type": 2,
   "Format": 2,
   "Width": 1920,
   "Height": 1080,
   "CaptureTime": 1706528537,
   "Size": 3076,
   "Data":1,
   "DataType": 0
  }, {
   "Index": 0,
   "Type": 1,
   "Format": 2,
   "Width": 1920,
   "Height": 1080,
   "CaptureTime": 1706528537,
   "Size": 267396,
   "Data":1,
   "DataType": 0
  }]
 }
}
```

6.3.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/HatDetection",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.6 Detecting Events Without Overalls

6.3.6.1 Overview

Names	Description
Interface Description	Push workwear detect data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/WorkClothesDetection
Interface request method	POST
Data submission method	application/json

6.3.6.2 URL description

None

6.3.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url for a client to confirm the event message of push alarms <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	For details about the alarm type, see 7.3 Alarm Types WorkClothesAlarm: not wearing overalls SafetyHelmetAlarm: not wearing a hard hat ChefHatAlarm: Not wearing a chef's hat
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data

Parameter Names	Parameter type	Parameter location	Required	Description
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
++URL	string	body	false	Image URL, which you can use to get the image directly. Length range: [0, 256]. This parameter is mandatory when the data to be reported is an image URL
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.6.4 Example of Request Parameters


```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "SafetyHelmetAlarm",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "RelatedID": "\"5ED9FE4C0000001\"",
  "DeviceID": "28000190234212343478",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "Size": 128000,
        "Data": "string",
        "URL": "\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\""
      }
    ]
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
```

```
            "Position": "138,315;282,684"
          }
        ]
      }
}
```

6.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/WorkClothesDetection",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.7 Zone Population Statistic

6.3.7.1 Overview

name	Description
Interface Description	Push area statistics rule data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/PeopleCount/AreaRuleData
Interface request method	POST
How to submit data	application/json

6.3.7.2 URL Description

None

6.3.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	false	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
TimeStamp	integer	body	true	Reporting time UTC time, the number of seconds from 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
DeviceID	string	body	true	Device ID National Standard protocol to fill in the national standard registration code, length [1,32]
ChannelID	integer	body	false	Channel number Start at 0
AreaNum	integer	body	true	Number of zone rules The value starts from 0, where 0 indicates that no region rules are reported
AreaRuleDataList	object[]	body	false	List of zone rule statistics This parameter is mandatory when AreaNum is not 0
+AreaID	integer	body	true	ID of the detection area Start at 0
+ObjectNum	integer	body	true	Zone Rules Current number of people

6.3.7.4 Example of Request Parameters

```
{
   "Reference","\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "DeviceID": "28000190234212343478",
   "ChannelID": 860,
   "AreaNum": 1,
   "AreaRuleDataList": [
      {
         "AreaID": 1,
         "ObjectNum": 20
      }
   ]
}
```

6.3.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.7.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/PeopleCount/AreaRuleData",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.8 Tripwire Count Statistics

6.3.8.1 Overview

Names	Description
Interface Description	Push trip wire statistics rule data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/PeopleCount/LineRuleData
Interface request method	POST
How to submit data	application/json

6.3.8.2 URL Description

None

6.3.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	false	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points

Parameter Names	Parameter type	Parameter location	Required	Description
TimeStamp	integer	body	true	Reporting time UTC time, the number of seconds from 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
DeviceID	string	body	true	Device ID National Standard protocol to fill in the national standard registration code, length [1,32]
ChannelID	integer	body	false	Channel number Start at 0
SourceType	string	body	false	Alarm source type Length range: [0, 32]. For details, see 7.1.16 Channel Type
LineNum	integer	body	true	Trip wire rule number Start with 0, where 0 means no trip wire rule is reported
LineRuleDataList	object[]	body	false	Data for trip wire rule statistics LineNum This parameter is mandatory when the value is not 0
+LineID	integer	body	false	Trip wire ID number, starting at 0
+BeginPassTime	string	body	true	Detection start time YYYYMMDDHHMMSS, in 24-hour format, string length [0,18] Default value: 20190919121212
+EndPassTime	string	body	true	Detection end time YYYYMMDDHHMMSS, on a 24-hour basis Default value: 20190919121218
+ObjectIn	integer	body	true	Configure number of people entering the time
+ObjectOut	integer	body	true	Configure number of people leaving within the time
+TotalBeginTime	string	body	false	Total count start time: YYYYMMDDHHMMSS in a 24-hour system Character string length [0,18] Rerecord start time when count is cleared to zero Default: 20190919121212
+TotalIn	integer	body	false	Total entry Count resumes when cleared to zero
+TotalOut	integer	body	false	Total number of people leaving Resume when count clears zero

6.3.8.4 Example of Request Parameters

```
{
  "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "DeviceID": "28000190234212343478",
  "ChannelID": 860,
  "SourceType": "IPC",
  "LineNum": 1,
  "LineRuleDataList": [
    {
```

```
        "LineID": 3,
        "BeginPassTime": "20190919121212",
        "EndPassTime": "20190919121218",
        "ObjectIn": 0,
        "ObjectOut": 0,
        "TotalBeginTime": "20190919121212",
        "TotalIn": 0,
        "TotalOut": 0
      }
  ]
}
```


6.3.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.8.6 Examples of Return Parameters


```
{
  "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/PeopleCount/LineRuleData",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
  }
}
```


6.3.9 Sleeping Post Detection Event

6.3.9.1 Overview

Names	Description
Interface Description	Push the sleeping post detection event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/SleepingDetection
Interface request method	POST

Names	Description
How to submit data	application/json

6.3.9.2 URL Description

None

6.3.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url for a client to confirm the event message of push alarms <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	For details about the alarm type, see 7.3 Alarm Types Default: SleepingDetectionAlarm SleepingDetectionAlarm: Sleep alarm
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Channel name
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF

Parameter Names	Parameter type	Parameter location	Required	Description
				4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++CaptureTimeStr	string	body	false	Image capture moment in string form, UTC time, accurate to millisecond Format: YYYY-MM-DDThh:mm:ss.sZ, respectively, indicating the year, month, day, hour, second and millisecond, refer to the ISO 8601 standard definition Length range: [0, 32]
++Size	integer	body	false	The base64 encoded length of the image The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.9.4 Example of Request Parameters

```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \"",
   "AlarmType": "FallOverDetection",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceID": "28000190234212343478",
   "DeviceCode": "string",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "Conflagration": {
      "PTPosition": {
         "Longitude": 170.36,
```

```
        Latitude: 20.66
      },
      "Num": 2,
      "ConflagrationChannelInfoList": [
        {
          "ChannelID": 2,
          "HorizontalFieldAngle": 60.03,
          "VerticalFieldAngle": 42.75,
          "LensView": 0,
          "Num": 1,
          "FirePointsInfoList": [
            {
              "ID": 0,
              "Num": 0,
              "PointList": [
                {
                  "X": 5000,
                  "Y": 5000
                }
              ]
            }
          ],
          "AlarmPicture": {
            "ImageNum": 1,
            "ImageList": [
              {
                "Index": 0,
                "Type": 1,
                "Format": 0,
                "Width": 1920,
                "Height": 1080,
                "CaptureTime": 0,
                "Size": 128000,
                "URL":
"\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\"",
                "UploadID": "A5936C0J8914AN001024",
                "UploadStatus": 1,
                "ErrorCode": 1,
                "TransferTime": 300
              }
            ]
          }
        }
      ]
    }
}
```


6.3.9.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter name	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.9.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/SleepingDetection",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.10 Off-Duty Detection Event

6.3.10.1 Overview

Names	Description
Interface description	Push an off-duty detection event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/OffDutyDetection
Interface request method	POST
How to submit data	application/json

6.3.10.2 URL Description

None

6.3.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default: OffDutyDetectionAlarm OffDutyDetectionAlarm: Off-duty alarm

Parameter Names	Parameter type	Parameter location	Required	Description
TimeStamp	integer	body	true	Report data generation time UTC time, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Channel name
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++CaptureTimeStr	string	body	false	Image capture moment in string form, UTC time, accurate to millisecond Format: YYYY-MM-DDThh:mm:ss.sZ, respectively, indicating the year, month, day, hour, second and millisecond, refer to the ISO 8601 standard definition Length range: [0, 32]
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data

Parameter Names	Parameter type	Parameter location	Required	Description
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target quantity
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.10.4 Example of Request Parameters


```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "OffDutyDetectionAlarm",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceID": "28000190234212343478",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "CaptureTimeStr": "2023-04-18T08:30:30.789Z",
        "Size": 128000,
        "Data": "string"
      }
    ]
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
        "Position": "138,315;282,684"
      }
    ]
```

```
  }
}
```

6.3.10.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.10.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/OffDutyDetection",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.11 Climbing Detection Event

6.3.11.1 Overview

Names	Description
Interface Description	Push climbing detection event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/ClimbingDetection
Interface request methods	POST
How to submit data	application/json

6.3.11.2 URL Description

None

6.3.11.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	false	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default: ClimbingDetectionAlarm ClimbingDetectionAlarm: ClimbingDetectionAlarm
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Channel name
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++CaptureTimeStr	string	body	false	Image capture moment in string form, UTC time, accurate to millisecond

Parameter Names	Parameter type	Parameter location	Required	Description
				Format: YYYY-MM-DDThh:mm:ss.sZ, respectively, indicating the year, month, day, hour, second and millisecond, refer to the ISO 8601 standard definition Length range: [0, 32]
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "";" and ";" Both are English half corners String length range: [0, 32]

6.3.11.4 Example of Request Parameters

```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "ClimbingDetectionAlarm",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceID": "28000190234212343478",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "CaptureTimeStr": "2023-04-18T08:30:30.789Z",
        "Size": 128000,
        "Data": "string"
      }
    ]
```

```
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
        "Position": "138,315;282,684"
      }
    ]
  }
}
```

6.3.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.11.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/ClimbingDetection",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.3.12 Fight Detection Incident

6.3.12.1 Overview

Names	Description
Interface Description	Push fight detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/FightDetection
Interface Request Method	POST

Names	Description
How to submit data	application/json

6.3.12.2 URL Description

None

6.3.12.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: FightDetectionAlarm FightDetectionAlarm: indicates a fight detection alarm
TimeStamp	integer	body	true	Report data generation time UTC time, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Channel name
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG

Parameter Names	Parameter type	Parameter location	Required	Description
				3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++CaptureTimeStr	string	body	false	Image capture moment in string form, UTC time, accurate to millisecond Format: YYYY-MM-DDThh:mm:ss.sZ, respectively, indicating the year, month, day, hour, second and millisecond, refer to the ISO 8601 standard definition Length range: [0, 32]
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target quantity
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","," and ";" Both are English half corners String length range: [0, 32]

6.3.12.4 Example of Request Parameters

```
{
   "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
   "AlarmType": "FightDetectionAlarm",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceID": "28000190234212343478",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
```

```
        {
          "Index": 0,
          "Type": 1,
          "Format": 0,
          "Width": 1920,
          "Height": 1080,
          "CaptureTime": 0,
          "CaptureTimeStr": "2023-04-18T08:30:30.789Z",
          "Size": 128000,
          "Data": "string"
        }
      ]
    },
    "TargetsInfo": {
      "TargetsInfoNum": 2,
      "TargetsInfoList": [
        {
          "Index": 1,
          "ImageID": 1,
          "Position": "138,315;282,684"
        }
      ]
    }
}
```


6.3.12.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.12.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/FightDetection",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.3.13 Fall Detection Event

6.3.13.1 Overview

Names	Description
Interface Description	Push fall detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/FallOverDetection
Interface request method	POST
How to submit data	application/json

6.3.13.2 URL Description

None

6.3.13.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default: FallOverDetection FallOverDetection: Falls to the detection alarm
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Channel name
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo

Parameter Names	Parameter type	Parameter location	Required	Description
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++CaptureTimeStr	string	body	false	Image capture moment in string form, UTC time, accurate to millisecond Format: YYYY-MM-DDThh:mm:ss.sZ, respectively, indicating the year, month, day, hour, second and millisecond, refer to the ISO 8601 standard definition Length range: [0, 32]
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 ""," and ";" Both are English half corners String length range: [0, 32]

6.3.13.4 Example of Request Parameters

```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "FallOverDetection",
  "TimeStamp": 1489040894,
  "Seq": 327,
```

```
  "SourceID": 860,
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceID": "28000190234212343478",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "CaptureTimeStr": "2023-04-18T08:30:30.789Z",
        "Size": 128000,
        "Data": "string"
      }
    ]
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
        "Position": "138,315;282,684"
      }
    ]
  }
}
```


6.3.13.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.13.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/FallOverDetection",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
```

```
  }
}
```

6.3.14 Conflagration Detection Event

6.3.14.1 Overview

Names	Description
Interface Description	Push fire point, fireworks detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Conflagration
Interface request method	POST
How to submit data	application/json

6.3.14.2 URL Description

None

6.3.14.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details This parameter is used when the current NVR reports alarms FlameAndFumesAlarmBegin: indicates a firework detection alarm Used when NVR parses downlink alarms FumesAlarmBegin: Fireworks detection alarm Default value: FallOverDetection FallOverDetection: Falls to the detection alarm
TimeStamp	integer	body	true	Report data generation time UTC time, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	true	Channel name
DeviceID	string	body	false	Device ID

Parameter Names	Parameter type	Parameter location	Required	Description
				Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
Conflagration	object	body	true	Fire alarm details
+PTPosition	object	body	false	PTZ PT position
++Longitude	float	body	true	PTZ longitude (Angle of horizontal movement of PTZ) See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places
++Latitude	float	body	true	PTZ latitude (Angle at which the PTZ flips up and down) See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places
+Num	integer	body	true	Number of channels
+ConflagrationChannelInfoList	object[]	body	false	Fire alarm access information Fire channel information. This parameter is mandatory when Num is not 0
++ChannelID	integer	body	true	Channel ID
++LensView	float	body	true	The Angle of the lens field of view Angle at which the fire point position is found, accurate to two decimal places
++Num	integer	body	true	Number of fire points
++FirePointsInfoList	object[]	body	false	A list of location information for different fire points, required when Num is not 0
+++ID	integer	body	true	Fire point ID Can be used to associate fire points in different channels
+++Num	integer	body	true	Number of fire point coordinates
+++PointList	object[]	body	true	List of fire point coordinates
++++X	integer	body	true	X-axis coordinates Ten-thousandths ratio representation, range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates Ten-thousandths ratio representation, range: [0, 9999]
++AlarmPicture	object	body	true	Fire point pictures
+++ImageNum	integer	body	true	Number of pictures
+++ImageList	object[]	body	false	Picture data list

Parameter Names	Parameter type	Parameter location	Required	Description
				Must be carried when the number of images ImageNum is not 0
++++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++++Format	integer	body	true	Image format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++++Width	integer	body	true	Width of the image
++++Height	integer	body	true	Height of the image
++++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data

6.3.14.4 Example for Requesting Parameters


```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "FallOverDetection",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceID": "28000190234212343478",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "Conflagration": {
    "PTPosition": {
      "Longitude": 170.36,
      "Latitude": 20.66
    },
    "Num": 2,
    "ConflagrationChannelInfoList": [
      {
        "ChannelID": 2,
        "LensView": 0,
        "Num": 1,
        "FirePointsInfoList": [
```

```
            {
              "ID": 0,
              "Num": 0,
              "PointList": [
                {
                  "X": 5000,
                  "Y": 5000
                }
              ]
            }
          ],
          "AlarmPicture": {
            "ImageNum": 1,
            "ImageList": [
              {
                "Index": 0,
                "Type": 1,
                "Format": 0,
                "Width": 1920,
                "Height": 1080,
                "CaptureTime": 0,
                "Size": 128000,
                "Data": "string"
              }
            ]
          }
        }
      ]
    }
}
```


6.3.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.14.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Conflagration",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
```

```
}
```

6.3.15 Wandering Events

6.3.15.1 Overview

Names	Description
Interface Description	Push Area Wandering events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Loitering
Interface request method	POST
How to submit data	application/json

6.3.15.2 URL Description

None

6.3.15.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: Loitering Loitering: Hover
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Channel name
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
DeviceCode	string	body	false	Device coding
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it

Parameter Names	Parameter type	Parameter location	Required	Description
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++ChannelID	integer	body	false	Channel ID This parameter is mandatory when the channel for capturing the image is different from the channel for reporting the event
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.15.4 Example of Request Parameters


```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "Loitering",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceID": "28000190234212343478",
  "DeviceCode": "string",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "ChannelID": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "Size": 128000,
        "Data": "string"
      }
    ]
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
        "Position": "138,315;282,684"
      }
    ]
  }
}
```


6.3.15.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.15.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Loitering",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.3.16 Move the Event Quickly

6.3.16.1 Overview

Names	Description
Interface Description	Push detects fast movement of a human or mouse
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/FastMovingDetection
Interface request method	POST
How to submit data	application/json

6.3.16.2 URL Description

None

6.3.16.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default: FastMoving FastMoving: Fast moving
TimeStamp	integer<uint32>	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]

Parameter Names	Parameter type	Parameter location	Required	Description
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value contains 15 characters This field is required when the alarm has data associated with it
TargetType	string	body	false	Detect type Pedestrian by default Default: 3 1: Motor vehicle (reserved) 2: Non-motor vehicle (reserved) 3: Pedestrian (default) 4: Mouse
AlarmPicture	object	body	true	Picture data carried by the alarm
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	true	Target coordinate information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information

Parameter Names	Parameter type	Parameter location	Required	Description
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.16.4 Example of Request Parameters

```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "FastMoving",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "DeviceID": "string",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "TargetType": "4",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "Size": 128000,
        "Data": "string"
      }
    ]
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
        "Position": "138,315;282,684"
      }
    ]
  }
}
```

6.3.16.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	

Parameter Names	Parameter type	Parameter position	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.16.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/FastMovingDetection",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.17 Temperature Detection Event

6.3.17.1 Overview

Names	Description
Interface Description	Push temperature detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/TemperatureDetection
Interface request method	POST
How to submit data	application/json

6.3.17.2 URL Description

None

6.3.17.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message

Parameter Names	Parameter type	Parameter location	Required	Description
				<SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details
TimeStamp	integer	body	true	Alarm occurrence time UTC (unit: second)
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source channel ID
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
DeviceCode	string	body	false	Device coding
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
TemperatureAlarmInfo	object	body	true	Temperature alarm data
+RuleType	integer	body	true	Type of rule Used to detect temperature alarms within a rule 1: Full-screen rule for temperature alarms 2: temperature alarm single rule (point, line, polygon rule) 3: Temperature alarm rules, including single rules and contrast rules (that is, the difference between two single-rule temperature alarm types)
+RuleId	integer	body	false	Rule ID This parameter is mandatory when RuleType is 2 or 3
+ReferenceRuleId	integer	body	false	Contrast rule ID If RuleType is set to 3, this parameter is mandatory. If the comparison rule is two single rules, the comparison rule ID must be the second rule ID.
+AlarmCondition	integer	body	false	Temperature alarm trigger condition 1: Below 2: Above 3: Match (equal to)
+ValueType	integer	body	false	Alarm value type 1: Maximum temperature 2: lowest temperature 3: Average temperature (point temperature) 4: Temperature difference 5: temperature change rate
+AlarmValue	float	body	false	Alarm value

Parameter Names	Parameter type	Parameter location	Required	Description
				If ValueType is 5, it indicates the temperature change rate. Other alarms indicate the temperature value. The accuracy is two decimal places Unit of temperature: Celsius The unit of temperature change rate is Celsius per minute
+Threshold	float	body	false	Alarm threshold If ValueType is 5, it indicates the threshold of the temperature change rate. Other values indicate the temperature threshold, with an accuracy of two decimal places Temperature unit: Celsius The unit of temperature change rate is Celsius per minute
+ChannelNum	integer	body	true	Number of channels
+TemperatureChannelInfoList	object[]	body	false	List of temperature alarm channels This parameter is mandatory when the ChannelNum value is not 0
++ChannelID	integer	body	true	Channel ID
++AlarmPicture	object	body	false	Picture information
+++ImageNum	integer	body	true	Number of pictures
+++ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++++Width	integer	body	true	Width of the image
++++Height	integer	body	true	Height of the image
++++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++++Data	string	body	false	base64 encoded data of the image

Parameter Names	Parameter type	Parameter location	Required	Description
				This parameter is mandatory when the reported data type is Base64 encoded data

6.3.17.4 Example for Requesting Parameters


```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "string",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "DeviceID": "string",
  "DeviceCode": "string",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "TemperatureAlarmInfo": {
    "RuleType": 3,
    "RuleId": 1,
    "ReferenceRuleId": 3,
    "AlarmCondition": 1,
    "ValueType": 1,
    "AlarmValue": 50.21,
    "Threshold": 50.21,
    "ChannelNum": 2,
    "TemperatureChannelInfoList": [
      {
        "ChannelID": 0,
        "AlarmPicture": {
          "ImageNum": 1,
          "ImageList": [
            {
              "Index": 0,
              "Type": 1,
              "Format": 0,
              "Width": 1920,
              "Height": 1080,
              "CaptureTime": 0,
              "Size": 128000,
              "Data": "string"
            }
          ]
        }
      }
    ]
  }
}
```


6.3.17.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.17.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/TemperatureDetection",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.18 Structure Events

6.3.18.1 Overview

Names	Description
Interface Description	Push Structured data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Structure
Interface request method	POST
How to submit data	application/json

6.3.18.2 URL Description

None

6.3.18.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the alarm push event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points

Parameter Names	Parameter type	Parameter location	Required	Description
AlarmType	string	body	false	Alarm type Default: FallOverDetection
TimeStamp	integer	body	true	Alarm time UTC time, the number of seconds from 0:00 on January 1, 1970
Seq	integer	body	true	Alarm serial number
SrcID	integer	body	true	Alarm source ID
SrcName	string	body	false	Alarm source name, length [1,63]
DeviceID	string	body	false	Alarm device ID Fill in the GB registration code when the GB protocol is accessed, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera Length: 15 characters This field is required when the alarm has associated data
NotificationType	integer	body	true	Type of notification: 0: real-time notification 1: historical notification
StructureInfo	object	body	true	Structured information
+ObjInfo	object	body	true	List of target information
++FaceNum	integer	body	true	Number of faces
++FaceInfoList	object[]	body	false	List of faces, optional if FaceNum is 0
+++FaceID	integer	body	true	Face ID, starting at 1
+++Position	string	body	true	The position of the face target in the large image The coordinates of the picture are normalized, and the ratio of 10,000 to 10,000 is used Only the top left and bottom right points of the rectangle are needed
+++SmallPicAttachIndex	integer	body	false	Small graph index Index of the small image corresponding to a face in the image list, starting from 1, 0 is an invalid value, optional when you do not upload the small image
+++LargePicAttachIndex	integer	body	false	Large picture index Index of the large image corresponding to a face in the image list, starting from 1, 0 is an invalid value, optional when you do not upload a large image
+++AttributeInfo	object	body	false	Face attribute information, optional if no attribute is detected
++++Gender	integer	body	false	Gender, optional when untested 0: unknown 1: Male 2: Female

Parameter Names	Parameter type	Parameter location	Required	Description
++++AgeRange	integer	body	false	Age, optional when undetected. 0: unknown 1: Child 2: teenager 3: Youth 4: Middle age 5: elderly
++++GlassFlag	integer	body	false	Whether to wear glasses, optional if not detected 0: unknown 1: Not wearing 2: Wear
++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not tested 0: unknown 1: not with 2: With
++++Temperature	float	body	false	Body temperature, optional if not detected Unit: degrees Celsius Accuracy: 2 decimal places
++PersonNum	integer	body	true	Human body count
++PersonInfoList	object[]	body	false	Body info List
+++PersonID	integer	body	true	Person ID, starting at 1
+++FaceDoforPersonID	string	body	false	Person face ID
+++Position	string	body	false	People location information, screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684 ", "and";" Both are English half corners. Range: [0, 32]
+++SmallPicAttachIndex	integer	body	false	Map index
+++LargePicAttachIndex	integer	body	false	Large picture index
+++AttributeInfo	object	body	false	Human attributes, use this structure when the target type is human
++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
++++AgeRange	integer	body	false	Age, optional when undetected 0: Children 1: juvenile 2: Youth 3: Middle-aged 4: Old age 98: Unknown
++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not detected 1: Not wearing a mask 2: Wearing a mask 255: Unknown
++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve

Parameter Names	Parameter type	Parameter location	Required	Description
				2: Long sleeves
++++CoatColor	integer	body	false	Top color Main color, optional if not detected. See 7.1.1 General Color Table for details
++++TrousersLength	integer	body	false	Undergarment length style, optional if not detected 0: unknown 1: Shorts 2: Long pants
++++TrousersColor	integer	body	false	Undercoat color Main color, optional if not detected. See 7.1.1 General Color Table for details
++++ShoesTubeLength	integer	body	false	Shoe short and long styles, optional when undetected 0: unknown 1: Thigh-high boots 2: Knee-high boots
++++HairLength	integer	body	false	Hair length, optional when undetected 0: Unknown/uncertain 1: Long hair 2: Short hair
++++BagFlag	integer	body	false	Bag flag, optional if not detected 0: No bag 1: Carrying bag 2: Backpack 98: Unknown
++++MovingDirection	integer	body	false	People movement direction, optional if not detected 1: Stationary 2: Up 3: Down 4: Left 5: To the right 6: Top left 7: Bottom left 8: Top right 9: Bottom right 255: Unknown
++NonMotorVehicleNum	integer	body	false	Number of non-motor vehicles
++NonMotorVehicleInfoList	object[]	body	false	Non-motor vehicle information list
+++ID	integer	body	false	Non-motor vehicle ID, starting at 1
+++NonMotorVehicleDoforFaceID	integer	body	false	Non-motor vehicle owned face ID, starting from 1, 0 is invalid value, optional when not associated with a face
+++Position	string	body	false	The coordinates of the non-motor vehicle coordinate information screen are normalized and expressed by ten thousandths ratio. Only the top left and bottom right points of the rectangle are required: "138,315; 282,684 "","" and ";" Both are English half corners. String length range: [0, 32]

Parameter Names	Parameter type	Parameter location	Required	Description
+++SmallPicAttachIndex	integer	body	false	Small map index, the index of the non-motor vehicle corresponding small map in the image list, starting from 1, 0 is an invalid value, optional when the small map is not uploaded
+++LargePicAttachIndex	integer	body	false	Large picture index Index of the corresponding large image in the image list, starting from 1, 0 is an invalid value, optional when the large image is not uploaded
+++PlatePicAttachIndex	integer	body	false	License plate picture index Index of the non-motorized license plate picture in the image list, starting from 1, 0 is invalid value, optional when the license plate picture is not uploaded
+++AppearTime	string	body	false	Occurrence time Format: yyyyMMddhhmmssSSS, indicating year month day hour minute second millisecond. Fixed string length: 18
+++DisAppearTime	string	body	false	Disappearing time Format: yyyyMMddhhmmssSSS, indicating year month day hour minute second millisecond respectively. Fixed string length: 18
+++PassTime	string	body	false	Capture time Format: yyyyMMddhhmmssSSS, indicating year month day hour minute second millisecond. Fixed string length: 18
+++Confidence	integer	body	false	Confidence Value range: [0, 100]
+++Speed	integer	body	false	Speed. In km/h
+++DirectionType	string	body	false	See 7.1.13 Driving direction for the direction of motion
+++AttributeInfo	object	body	false	Non-motor vehicle property information
++++SpeedType	integer	body	false	Non-motor vehicle speed type in structured scenario, optional if not detected 0: unknown 1: Be still 2: Slow 3: Medium speed 4: Fast
++++ImageDirection	integer	body	false	In the structured scene, the motion direction of the non-motor vehicle relative to the picture is optional if it is not detected 0: unknown 1: Still 2: Up 3: Down 4: Left 5: To the right 6: Top left 7: Lower left 8: Top right 9: Bottom right

Parameter Names	Parameter type	Parameter location	Required	Description
++++NonVehicleType	integer	body	false	Non-motor vehicle type, optional when undetected 0: unknown 1: Human-powered bike 2: Tricycle 3: Motorcycle 4: Electric bike 5: Two-wheeler (motorcycle/manpower bike/electric bike)
++++DriveStatus	string	body	false	Driving state, optional when not detected. See 7.1.10 Types of violations for details
+++PlateAttributeInfo	object	body	false	License Plate Attribute Information
++++PlatePicAttachIndex	integer	body	false	License plate picture index, the index of the small picture corresponding to the license plate in the image list
++++PlateNo	string	body	false	License plate number
++++Position	string	body	false	License plate position information, screen coordinates normalized, using ten thousand to ten thousand ratio. Just rectangular top left and bottom right points, e.g. "138,315; 282,684 ". ", "and";" Both are English half corners
++++Color	integer	body	false	License plate colors See 7.1.1 General Color Table
++++Type	string	body	false	For details about the type of license plate, see 7.1.2 Type of license Plate
++++PlateStatus	integer	body	false	License plate status, optional when not detected 0: No license plate 1: Normal license plate 2: License plate occlusion 3: License plate defaced
++++PlateConfidence	integer	body	false	Number plate confidence, optional if not detected Value range: [0, 100]
++++CharConfidence	string	body	false	Character confidence, optional if not detected. The format is: Confidence of character 1, confidence of character 2, confidence of character 3,... If the character is not recognized, use a "0" to represent it. Character confidence, the higher the value, the higher the confidence. Values: [0, 100] String length range: [1, 64]
++++PlateCoincide	integer	body	false	Number plate consistent, optional when not detected 0: The front plate number and rear plate number are different 1: The front and rear plate numbers are identical 2: The front plate number cannot be automatically recognized 3: The rear plate number cannot be automatically recognized 4: Neither the front nor rear plate number can be automatically recognized

Parameter Names	Parameter type	Parameter location	Required	Description
+++PersonOnNoVehicleNum	integer	body	false	Number of drivers and passengers
+++PersonOnNoVehicleInfoList	object[]	body	false	People information
++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
++++AgeRange	integer	body	false	Age, optional when undetected 0: Children 1: juvenile 2: Youth 3: Middle Age 4: Old age 98: Unknown
++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve 2: Long sleeves
++++CoatColor	integer	body	false	Top color Main color, optional if not detected. See 7.1.1 General Color Table for details
++++CoatColorAided	integer	body	false	Top color auxiliary, optional when undetected. See 7.1.1 General Color Table for details
++++CoatColorMinor	integer	body	false	Top color Secondary color, optional when undetected. See 7.1.1 General Color Table for details
++VehicleNum	integer	body	false	Number of motor vehicles
++VehicleInfoList	object[]	body	false	Motor vehicle information List
+++ID	integer	body	true	Vehicle ID Motor vehicle ID, starting with 1
+++Position	string	body	true	Vehicle position information screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684 "","" and "";" Both are English half corners. Range: [0, 32]. Point: "138,315; 282,684 "","" and "";" Both are English half corners
+++SmallPicAttachIndex	integer	body	false	Index of the small map corresponding to the vehicle in the image list, starting from 1, 0 is an invalid value, optional if the small map is not uploaded
+++LargePicAttachIndex	integer	body	false	Index of the large image corresponding to the vehicle in the image list, starting from 1, 0 is an invalid value, optional if the large image is not uploaded
+++VehicleAttributeInfo	object	body	false	Vehicle properties
++++Type	integer	body	false	Vehicle type

Parameter Names	Parameter type	Parameter location	Required	Description
				See 7.1.9 Vehicle Type for details
++++Color	integer	body	false	Body color Main color, optional if not detected. See 7.1.1 General Color table for details
++++VehicleBrand	string	body	false	Vehicle brand code, optional if not detected. See 7.1.7 Vehicle Type Table for details
++++VehicleBrandType	string	body	false	Vehicle (vehicle make & Model & year), optional if not detected. See 7.1.7 Vehicle Type Table for details
++++ImageDirection	integer	body	false	The driving direction of the motor vehicle in the frame coordinate system in the structured scene, optional if not detected, see 7.1.13 Driving direction
+ImageNum	integer	body	true	Number of pictures
+ImageInfoList	object[]	body	true	Picture information list
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++ChannelID	integer	body	false	Channel ID This parameter is mandatory when the channel for capturing the image is different from the channel for reporting the event
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
+FinishFaceNum	integer	body	false	Number of faces at the end of face detection

Parameter Names	Parameter type	Parameter location	Required	Description
				This end mark is reported when the face detection process is over
+FinishFaceList	integer[]	body	false	List of face ids at the end of face detection

6.3.18.4 Example of Request Parameters


```
{
   "Reference": "192.168.0.13:80/Subscription/Subscribers/1",
   "AlarmType": "FallOverDetection",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SrcID": 860,
   "SrcName": "\"206.9.252.7_V_6\"",
   "DeviceID": "string",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "NotificationType": 0,
   "StructureInfo": {
      "ObjInfo": {
         "FaceNum": 0,
         "FaceInfoList": [
            {
               "FaceID": 0,
               "Position": "138,315;282,684",
               "SmallPicAttachIndex": 0,
               "LargePicAttachIndex": 0,
               "AttributeInfo": {
                  "Gender": 0,
                  "AgeRange": 0,
                  "GlassFlag": 0,
                  "MaskFlag": 0,
                  "Temperature": 0
               }
            }
         ],
         "PersonNum": 0,
         "PersonInfoList": [
            {
               "PersonID": 0,
               "FaceDoforPersonID": "string",
               "Position": "string",
               "SmallPicAttachIndex": 0,
               "LargePicAttachIndex": 0,
               "AttributeInfo": {
                  "Gender": 0,
                  "AgeRange": 3,
                  "MaskFlag": 1,
                  "SleevesLength": 0,
                  "CoatColor": 0,
                  "TrousersLength": 0,
                  "TrousersColor": 0,
                  "ShoesTubeLength": 0,
                  "HairLength": 0,
                  "BagFlag": 0,
                  "MovingDirection": 0
               }
            }
```

```
],
"NonMotorVehicleNum": 0,
"NonMotorVehicleInfoList": [
  {
    "ID": 0,
    "NonMotorVehicleDoforFaceID": 0,
    "Position": "138,315;282,684",
    "SmallPicAttachIndex": 0,
    "LargePicAttachIndex": 0,
    "PlatePicAttachIndex": 0,
    "AppearTime": "20190422083030789",
    "DisAppearTime": "20190422083030789",
    "PassTime": "20190422083030789",
    "Confidence": 0,
    "Speed": 0,
    "DirectionType": "00",
    "AttributeInfo": {
      "SpeedType": 0,
      "ImageDirection": 0,
      "NonVehicleType": 0,
      "DriveStatus": "string"
    },
    "PlateAttributeInfo": {
      "PlatePicAttachIndex": 0,
      "PlateNo": "浙 A00000",
      "Position": "138,315;282,684",
      "Color": 0,
      "Type": "string",
      "PlateStatus": 0,
      "PlateConfidence": 0,
      "CharConfidence": "70,70,70,70,70,70",
      "PlateCoincide": 0
    },
    "PersonOnNoVehicleNum": 0,
    "PersonOnNoVehicleInfoList": [
      {
        "Gender": 0,
        "AgeRange": 3,
        "SleevesLength": 0,
        "CoatColor": 0,
        "CoatColorAided": 0,
        "CoatColorMinor": 0,
        "MovingDirection": 0
      }
    ]
  }
],
"VehicleNum": 0,
"VehicleInfoList": [
  {
    "ID": 0,
    "Position": "138,315;282,684",
    "SmallPicAttachIndex": 0,
    "LargePicAttachIndex": 0,
    "VehicleAttributeInfo": {
      "Type": 0,
      "Color": 0,
      "VehicleBrand": "string",
      "VehicleBrandType": "string",
      "ImageDirection": 0
    }
  }
```

```
        ]
      },
      "ImageNum": 0,
      "ImageInfoList": [
        {
          "Index": 0,
          "Type": 1,
          "ChannelID": 1,
          "Format": 0,
          "Width": 1920,
          "Height": 1080,
          "CaptureTime": 0,
          "Size": 128000,
          "Data": "string"
        }
      ],
      "FinishFaceNum": 0,
      "FinishFaceList": [
        5
      ]
    }
}
```


6.3.18.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	NULL

6.3.18.6 Example of Returning parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Structure",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.3.19 Push Face Detection Event

6.3.19.1 Overview

Names	Description
Interface Description	When the subscription type in the subscription message is face recognition, use this interface to push face detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/PersonInfo
Interface request method	POST
How to submit data	application/json

6.3.19.2 URL Description

None

6.3.19.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	Push URL url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
DeviceID	string	body	false	Device coding Camera code or domain code, the device code issued by the event subscription is returned This parameter is mandatory when the device code is carried in the event subscription interface String length range: [0, 32]
PersonEventInfo	object	body	false	People alarm information
+ID	integer	body	true	Notification record ID Value range: [1,]
+Timestamp	integer	body	true	Notification escalation time The value is in UTC format, in seconds
+NotificationType	integer	body	true	Type of notification 0: Real-time notification 1: Historical notifications
+FaceInfoNum	integer	body	false	Number of face information Range: [0, 1] When None face in the collected information, do not include FaceInfo related fields Default value: 1
+FaceInfoList	object[]	body	false	Face information list If None face in the collected information, the FaceInfo field is not included
++RecordID	integer	body	true	Face pass record ID Value range: [1,]

Parameter Names	Parameter type	Parameter location	Required	Description
++Type	integer	body	false	Face pass record type 0: Face capture 1: Compares the alarm successfully 2: Compare the failed alarm
++RelatedID	string	body	false	Association ID of the alarm event and the alarm data. The globally unique length of a camera is 15 characters. This field is required when the alarm has associated data
++PassingTime	integer	body	true	Passing time UTC format, in seconds
++ChannelName	string	body	true	Capture channel name, range: [1, 63]
++ChannelID	integer	body	true	Channel ID Value range: [1,]
++CompareInfo	object	body	true	Face comparison information
+++Similarity	integer	body	false	Similarity Match alarms with this field This parameter is mandatory when the face traffic record type is Successful alarm or failed alarm
+++PersonInfo	object	body	false	Information about the person in the event
++++PersonID	integer	body	true	Person ID, starting from 1, timing optional
+++FaceAttr	object	body	false	Facial features
++++NoseStyle	integer	body	false	Nose type, optional when undetected See 7.4 Definition of People Information Elements for details
++++Temperature	number	body	false	Body temperature, optional if not detected Unit: degrees Celsius Accuracy: 2 decimal places
+++SnapshotImage	object	body	true	Snap pictures
++++BigImage	object	body	true	Large picture information, face condition Querynd capture report do not carry
+++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
+++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
+++++URL	string	body	false	Image URL When querying historical records, use the URL field to report image information
+++++Type	integer	body	true	File type

Parameter Names	Parameter type	Parameter location	Required	Description
+++++LastChange	integer	body	true	Last modified time
++++SmallImage	object	body	true	Small picture information
+++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
+++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
+++++URL	string	body	false	Image URL When querying historical records, use the URL field to report image information
+++++Type	integer	body	true	File type
+++++LastChange	integer	body	true	Last modified time
++++Area	object	body	true	Coordinate information The area coordinates of the small map in the big map
+++++left	integer	body	true	Left coordinates
+++++top	integer	body	true	Upper coordinates
+++++right	integer	body	true	Right coordinates
+++++bottom	integer	body	true	Lower coordinates

6.3.19.4 Example of Request Parameters

```
{
  "Reference": "192.168.0.30:80/Subscription/Subscribers/1",
  "DeviceID": "34020000001320000001",
  "PersonEventInfo": {
    "ID": 1,
    "Timestamp": 1652486759,
    "NotificationType": 0,
    "FaceInfoNum": 1,
    "FaceInfoList": [
      {
        "RecordID": 1,
        "Type": 1,
        "RelatedID": "string",
        "PassingTime": 1520412142,
        "ChannelName": "XX 通道",
        "ChannelID": 1,
        "CompareInfo": {
          "Similarity": 0,
          "PersonInfo": {
            "PersonID": 0
          },
          "FaceAttr": {
```

```
            "NoseStyle": 0,
            "Temperature": 0
          },
          "SnapshotImage": {
            "BigImage": {
              "Size": 1,
              "Data": "string",
              "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXXX.jpg",
              "Type": 0,
              "LastChange": 0
            },
            "SmallImage": {
              "Size": 1,
              "Data": "string",
              "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXXX.jpg",
              "Type": 0,
              "LastChange": 0
            },
            "Area": {
              "left": 0,
              "top": 0,
              "right": 0,
              "bottom": 0
            }
          }
        }
      }
    ]
  }
}
```


6.3.19.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.19.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/PersonInfo",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
```

```
}
```

6.3.20 High Altitude Throwing Event

6.3.20.1 Overview

Names	Description
Interface Description	Push high-altitude Throwing events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/FallingObjectsDetection
Interface request method	POST
How to submit data	application/json

6.3.20.2 URL Description

None

6.3.20.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: FallingObjectsDetectionAlarm FallingObjectsDetectionAlarm: high altitude throwing
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
SourceID	integer	body	false	Alarm source ID
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list

Parameter Names	Parameter type	Parameter location	Required	Description
				Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++ChannelID	integer	body	false	Channel ID This parameter is mandatory when the channel for capturing the image is different from the channel for reporting the event
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data

6.3.20.4 Example for Requesting Parameters

```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "FallingObjectsDetectionAlarm",
   "TimeStamp": 1489040894,
   "SourceID": 860,
   "DeviceID": "28000190234212343478",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "ChannelID": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
```

```
            "Data": "string"
          }
        ]
    }
}
```

6.3.20.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.20.6 Return Parameter Examples

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/System/Event/Notification/FallingObjectsDetection",
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {}
    }
}
```

6.3.21 Call Detection Data Reporting

6.3.21.1 Overview

Names	Description
Interface Description	Push call detection data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/TelephoningDetection
Interface request method	POST
How to submit data	application/json

6.3.21.2 URL Description

None

6.3.21.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: TelephoningAlarm: Call alarm
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Message serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name, length [1,63] String length range: [1, 63]
RelatedID	string	body	true	The associated ID of the picture data and the alarm event Globally unique within the same camera and 15 characters in length
AlarmPicture	object	body	true	Picture data carried by the alarm
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index Starting from 0, when structured data is reported, it is associated with the large and small indexes of each target information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M

Parameter Names	Parameter type	Parameter location	Required	Description
				This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
TargetsInfo	object	body	false	Information about the alarm target
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 "","" and ";" Both are English half corners String length range: [0, 32]

6.3.21.4 Example of Request Parameters

```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": ""TelephoningAlarm"",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 1,
  "SourceName": "Channel1",
  "RelatedID": ""5ED9FE4C0000001"",
  "AlarmPicture": {
    "ImageNum": 1,
    "ImageList": [
      {
        "Index": 0,
        "Type": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "Size": 128000,
        "Data": "string"
      }
    ]
  },
  "TargetsInfo": {
    "TargetsInfoNum": 2,
    "TargetsInfoList": [
      {
        "Index": 1,
        "ImageID": 1,
        "Position": "138,315;282,684"
      }
```

```
    ]
  }
}
```

6.3.21.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.21.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/TelephoningDetection",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.3.22 Smoking Detection Data Reporting

6.3.22.1 Overview

Names	Description
Interface Description	Push smoking detect data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/SmokingDetection
Interface request method	POST
Data submission method	application/json

6.3.22.2 URL Description

None

6.3.22.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name, length [1,63] String length range: [1, 63]
DeviceID	string	body	false	Device ID National standard protocol when filling in the national standard registration code, length [1,32] String length range: [1,32]
RelatedID	string	body	true	Event data and the associated ID of the alarm event Globally unique within the same camera and 15 characters in length
SmokingDetection	object	body	true	Smoking detect data
+ChannelNum	integer	body	true	Number of channels
+SmokingDetectionChannelInfoList	object	body	false	List of smoking detect data
++ChannelID	integer	body	true	Channel ID
++Num	integer	body	true	Number of fire points
++FirePointsInfoList	object	body	false	A list of location information for different fire points
+++ID	integer	body	true	Fire point ID
+++Num	integer	body	true	Number of fire point coordinates
+++PointList	object	body	false	Fire point center point coordinates The origin of the coordinate is in the upper left corner, and the value range is: [0, 9999]. This parameter is mandatory when Num is non-0
++++X	integer	body	true	X-axis coordinates, expressed in millionths ratio. Range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates, expressed in millionth ratio, range: [0, 9999]
AlarmPicture	object	body	true	Picture data carried by the alarm
+ImageNum	integer	body	true	Number of pictures

Parameter Names	Parameter type	Parameter location	Required	Description
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index Starting from 0, when structured data is reported, it is associated with the large and small indexes of each target information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC time, the number of seconds since 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data

6.3.22.4 Example for Requesting Parameters

```
{
  "Reference": "\"192.168.0.13:80/Subscription/Subscribers/1\"",
  "AlarmType": "\"SmokingAlarm\"",
  "TimeStamp": 1489040894,
  "SourceID": 1,
  "SourceName": "Channel1",
  "DeviceID": "string",
  "RelatedID": "string",
  "SmokingDetection": {
    "ChannelNum": 0,
    "SmokingDetectionChannelInfoList": {
      "ChannelID": 0,
      "Num": 0,
      "FirePointsInfoList": {
        "ID": 0,
        "Num": 0,
        "PointList": {
          "X": 0,
          "Y": 0
```

```
            }
          }
        }
      },
      "AlarmPicture": {
        "ImageNum": 1,
        "ImageList": [
          {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
            "Data": "string"
          }
        ]
      }
    }
```


6.3.22.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.22.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/SmokingDetection",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.3.23 Heat Map Data Push

6.3.23.1 Overview

Names	Description
Interface Description	Push heat graph related data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/HeatMap
Interface request method	POST
How to submit data	application/json

6.3.23.2 URL Description

None

6.3.23.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ChannelID	integer	body	true	ChannelID
Width	integer	body	true	Image wide
Height	integer	body	true	Picture height
HeatDataLen	integer	body	true	The base64 encoded length of the heat map result
HeatData	string	body	true	Heat map results, need to base64 encoding (unsigned char array) (divide the picture into a grid according to width and height and fill the data)

6.3.23.4 Example of Request Parameters

```
{
   "ChannelID": 0,
   "Width": 352,
   "Height": 288,
   "HeatDataLen": 135168,
   "HeatData": "string"
}
```

6.3.23.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.23.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/HeatMap",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.3.24 Reflective suit detection Event

6.3.24.1 Overview

Names	Description

Interface Description	If the Subscription, subscribe to the interface/LAPI/V1.0/System/Event/Subscription
	ImagePushMode = 0,
	Then, the following is an example of carrying image data through the http header field:
	POST/LAPI/V1.1/System/Event/Notification HTTP/1.1
	Host: data_gateway_ip:port
	Accept-Language: en-US
	Date: YourDate
	Content-Type: multipart/fConnection: keep-alive
	--<frontier>
	Content-Disposition: form-data; name="<EventType>"
	Content-Type: text/JSON
	Content-Length: JSON_length
	{
	"EventInfo":<EventInfo>,
	"EventDetail":<Event_AlarmType>,
	"Images":<ImageInfo>
	}
	--<frontier>
	Content-Disposition: form-data; imageindex="1"; name="image"; filename="picture.jpg"
	//imageindex same as ImageInfo.index
	Content-Length: image_length
	Content-Type: image/jpeg
	[binary picture data]
	--<frontier>
	Content-Disposition: form-data; imageindex ="2"; name="image"; filename="picture.jpg
	//imageindex same as ImageInfo.index
	Content-Length: image_length
	Content-Length: image_length
	Content-Type: image/jpeg
	[binary picture data]
	--<frontier>
	Content-Disposition: form-data; imageindex ="3"; name="image"; filename="picture.jpg

Names	Description

	//imageindex same as ImageInfo.index
	Content-Length: image_length
	Content-Length: image_length
	Content-Type: image/jpeg
	[binary picture data]
	--<frontier>
	orm-data;
	boundary=<frontier>
	Content-Length: body_length
	Connection: keep-alive
	--<frontier>
	Content-Disposition: form-data; name="<EventType>"
	Content-Type: text/JSON
	Content-Length: JSON_length
	{
	"EventInfo":<EventInfo>,
	"EventDetail":<Event_AlarmType>,
	"Images":<ImageInfo>
	}
	Content-Disposition: form-data; imageindex ="2"; name="image"; filename="picture.jpg
	//imageindex same as ImageInfo.index
	Content-Length: image_length
	Content-Length: image_length
	Content-Type: image/jpeg
	[binary picture data]
	--<frontier>
	...
	...
	--<frontier>

Interface version	V1.0
Interface address	/LAPI/V1.1/System/Event/Notification
Interface request method	POST
How to submit data	application/json

6.3.24.2 URL Description

None

6.3.24.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
EventInfo	object	body	true	Event basic information
+Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
+Type	string	body	true	Alarm or event type Values "ReflectiveClothesDetectionAlarm" Default value: ReflectiveClothesDetectionAlarm

Parameter Names	Parameter type	Parameter location	Required	Description
+TimeStamp	integer	body	true	Time when an event or alarm occurs UTC time, the number of seconds since 0:00 on January 1, 1970
+Seq	integer	body	false	Alarm or event ID
+SrcID	integer	body	true	ID of the alarm or event source
+SourceType	string	body	true	Alarm source type and length: [0, 32] Channel type Enumeration: VideoChannel: video channel Radar: radar channel InputSwitch: Input switch quantity Lock: lock
+SrcName	string	body	true	Event source or alarm source name, length [1,63]
ImageNum	integer	body	false	Number of pictures If None picture data, you can omit this field
ImageList	object[]	body	false	Number of pictures If None picture data, you can omit this field
+Index	integer	body	true	Image index Since 0, the object is associated with the large and small indexes of each object in the ObjectInfo when structured data is reported
+Type	integer	body	true	Image type 1: Snap panorama/background image 2: Small picture of the target 3: license plate binary map 4: master driver facial feature map 5: Facial features of the first officer 7: Composite picture of violation 8: pass the car composite picture 9: Passing composite diagram 11: Capture a small picture of the face 12: Small picture of human body 13: Small picture of a motor vehicle 14: non-motor vehicle minimap 15: Large face picture when structured 16: Large picture of human body when structured 17: Large picture of motor vehicle when structured 18: Non-motor vehicle large picture when structured 23: Structured motor vehicle, non-motor vehicle, People, license plate integration big picture
+ChannelID	integer	body	false	Channel ID This parameter is mandatory when the channel for capturing the image is different from the channel for reporting the event
+Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
+Width	integer	body	true	Width of the image
+Height	integer	body	true	Height of the image
+CaptureTime	integer	body	true	Picture capture moment

Parameter Names	Parameter type	Parameter location	Required	Description
				UTC, the number of seconds from 0:00 on January 1, 1970
+CaptureTimeStr	string	body	false	Picture capture moment in string form UTC time, accurate to millisecond Format: YYYY-MM-DDThh:mm:ss.sZ, respectively, indicating the year month day hour minute second millisecond, referring to the ISO 8601 standard definition, length range: [0, 32]
+DataType	integer	body	true	Data type of the reported image 0: base64 encoded image data 1: Image URL 2: The cloud stores the image
+Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data Value range: [, 3145728]
+Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data
+URL	string	body	false	Image URL Use this URL to get the image directly, length range: [0, 256] This parameter is mandatory when the data reported is the image URL
+UploadID	string	body	false	Object upload ID String length [1,32] This parameter is mandatory when the data type to be reported is cloud storage String length range: [1, 32]
+UploadStatus	integer	body	false	Upload status This parameter is mandatory when the data type to be reported is cloud storage 0: The image is uploaded successfully 1: Upload failed 2: Upload is successful
+ErrorCode	integer	body	false	Reasons for upload failure Carry when upload status is 1 1: indicates an internal error 2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network error
+TransferTime	integer	body	false	The transfer time of the image from the start of upload to the end of upload In milliseconds (ms)

6.3.24.4 Example of Request Parameters

```
{
  "EventInfo": {
```

```
    "Reference": "192.168.0.13:80/Subscription/Subscribers/1",
    "Type": "ReflectiveClothesDetectionAlarm",
    "TimeStamp": 1477104900,
    "Seq": 0,
    "SrcID": 0,
    "SourceType": "string",
    "SrcName": "Channel1"
  },
  "ImageNum": 1,
  "ImageList": [
    {
      "Index": 0,
      "Type": 1,
      "ChannelID": 1,
      "Format": 1,
      "Width": 1920,
      "Height": 1080,
      "CaptureTime": 1454428800,
      "CaptureTimeStr": "2023-04-18T08:30:30.789Z",
      "DataType": 1,
      "Size": 128000,
      "Data": "-",
      "URL": "/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564",
      "UploadID": "A5936C0J8914AN001024",
      "UploadStatus": 1,
      "ErrorCode": 1,
      "TransferTime": 300
    }
  ]
}
```


6.3.24.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.3.24.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.1/System/Event/Notification".
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
```

```
}
```

6.3.25 Cross Line Detection Data Push

1 Overview

Names	Description
Interface Description	Cross Line Detection Data Push
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/CrossLineDetection
Interface request method	POST
How to submit data	application/json

2 URL Description

None

3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
RelatedID	string	body	true	Event data and the associated ID of the alarm event Globally unique within the same camera and 15 characters in length
AlarmPicture	object	body	false	Picture data carried by the alarm
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index Starting from 0, when structured data is reported, it is associated with the large and small indexes of each target information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format

Parameter Names	Parameter type	Parameter location	Required	Description
				0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC time, the number of seconds since 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data

4 Example for Requesting Parameters

```
{
   "Reference": "192.168.0.13:80/Subscription/Subscribers/1",
   "AlarmType": "LineDetectorCrossed",
   "TimeStamp": 1489040894,
   "RelatedID": "5ED9FE4C0000001",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
            "Data": "string"
         }
      ]
   }
}
```

5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	false	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response results

6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/CrossLineDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.3.26 Intrusion Detection Data Push

1 Overview

Names	Description
Names	Intrusion Detection Data Push
Interface Description	V1.0
Interface version	/LAPI/V1.0/System/Event/Notification/IntrusionDetection
Interface address	POST
Interface request method	application/json

2 URL Description

None

3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points

Parameter Names	Parameter type	Parameter location	Required	Description
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
RelatedID	string	body	true	Event data and the associated ID of the alarm event Globally unique within the same camera and 15 characters in length
AlarmPicture	object	body	false	Picture data carried by the alarm
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index Starting from 0, when structured data is reported, it is associated with the large and small indexes of each target information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC time, the number of seconds since 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data
++Data	string	body	false	base64 encoded data of the image This parameter is mandatory when the reported data type is Base64 encoded data

4 Example for Requesting Parameters

```
{
"Reference": "192.168.0.13:80/Subscription/Subscribers/1",
"AlarmType": "FieldDetectorObjectsInside",
"TimeStamp": 1489040894,
"RelatedID": "5ED9FE4C0000001",
"AlarmPicture": {
   "ImageNum": 1,
   "ImageList": [
```

```
        {
          "Index": 0,
          "Type": 1,
          "Format": 0,
          "Width": 1920,
          "Height": 1080,
          "CaptureTime": 0,
          "Size": 128000,
          "Data": "string"
        }
      ]
    }
}
```


5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	false	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response results

6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/IntrusionDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.4 People Libraries

6.4.1 People Libraries

6.4.1.1 Query People Libraries Information

6.4.1.1.1 Overview

Names	Description
Interface Description	Example Query the information about all created people libraries on the device
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/BasicInfo
Interface request method	GET
How data is submitted	application/json

6.4.1.1.2 URL Description

None

6.4.1.1.3 Request Parameters

None

6.4.1.1.4 Example of Request Parameters

None

6.4.1.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	The number of libraries that have been created in the device Range: [0, 15]
++LibList	object[]	body	true	Library list information If Num is 0, details of the People Library for that field are not returned
+++ID	integer	body	true	Library ID
+++Name	string	body	false	Library name Range: [1, 63]
+++PersonNum	integer	body	true	The total number of people's information in the library, i.e. how many different Personids there are

Parameter name	Parameter type	Parameter location	Required	Description
+++FaceNum	integer	body	true	The total number of face photos in the library, i.e. how many face photos/features there are
+++MemberNum	integer	body	true	The total number of people members in the library, i.e. how many different Faceids there are Note: If a person has more than one FaceID, here is the sum of the number of Faceids. A person without a base map takes up one member slot
+++LastChange	integer	body	true	The last time the library information was modified
+++BelongIndex	string	body	true	The unique owning index of the library Used to identify which device the library belongs to MD5 encrypted identification using the NVR serial number. Involves the channel under the library required

6.4.1.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/PeopleLibraries/BasicInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Num": 0,
         "LibList": [
            {
               "ID": 3,
               "Name": "string",
               "PersonNum": 1,
               "FaceNum": 10,
               "MemberNum": 10,
               "LastChange": 1510811178,
               "BelongIndex": "string"
            }
         ]
      }
   }
}
```

6.4.1.2 Modify the People Libraries information

6.4.1.2.1 Overview

Names	Description
Interface description	Modify the people libraries information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/BasicInfo
Interface request method	PUT

Names	Description
Data submission method	application/json

6.4.1.2.2 URL Description

None

6.4.1.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	The number of people in the library to modify the information Value range: [1, 16]
LibList	object[]	body	true	List of people base information
+ID	integer	body	true	Library ID
+Name	string	body	false	Library name Range: [1, 63]
+PersonNum	integer	body	true	The total number of people's information in the library, i.e. how many different Personids there are
+FaceNum	integer	body	true	The total number of face photos in the library, i.e. how many face photos/features there are
+MemberNum	integer	body	true	The total number of people members in the library, i.e. how many different Faceids there are Note: If a person has more than one FaceID, here is the sum of the number of Faceids. A person without a base map takes up one member slot
+LastChange	integer	body	true	The last time the library information was modified
+BelongIndex	string	body	true	The unique owning index of the library Used to identify which device the library belongs to MD5 encrypted identification using the NVR serial number. Involves the channel under the library required

6.4.1.2.4 Example of Request Parameters

```
{
   "Num": 0,
   "LibList": [
      {
         "ID": 3,
         "Name": "string",
         "PersonNum": 1,
         "FaceNum": 10,
         "MemberNum": 10,
         "LastChange": 1510811178,
         "BelongIndex": "string"
      }
   ]
```

```
}
```

6.4.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.1.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/PeopleLibraries/BasicInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.4.1.3 Create a People Library

6.4.1.3.1 Overview

Names	Description
Interface Description	Create a People Library information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/BasicInfo
Interface request method	POST
How to submit data	application/json

6.4.1.3.2 URL Description

None

6.4.1.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Name	string	body	false	Library name Range: [1, 63]
BelongIndex	string	body	true	The unique owning index of the library Used to identify which device the library belongs to MD5 encrypted identification using the NVR serial number. Involves the channel under the library required

6.4.1.3.4 Example of Request Parameters

```
{
  "Name": "string",
  "BelongIndex": "string"
}
```

6.4.1.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	The library ID that is generated when the library is created successfully

6.4.1.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/BasicInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0
    }
  }
}
```

6.4.1.4 Delete People Libraries Information

6.4.1.4.1 Overview

Names	Description
Interface Description	Delete the specified People Library on your device
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>
Interface request method	DELETE
Data submission method	application/json

6.4.1.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	People library ID

6.4.1.4.3 Request Parameters

None

6.4.1.4.4 Example of Request Parameters

None

6.4.1.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.1.4.6 Return Parameter Examples

```
{
  "Response": {
```

```
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.4.1.5 Query People Library Capacity Information

6.4.1.5.1 Overview

Names	Description
Interface Description	Query People Library Capacity Information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/Capacity
Interface request method	GET
How data is submitted	application/json

6.4.1.5.2 URL Description

None

6.4.1.5.3 Request Parameters

None

6.4.1.5.4 Example of Request Parameters

None

6.4.1.5.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter Names	Parameter type	Parameter position	Required	Description
++MaxPeopleNum	integer	body	true	Total library capacity: [Unit: person] The sum of the capacity of a single library, not greater than the total library capacity. It is for display only and cannot be modified
++FreePeopleNum	integer	body	true	Remaining capacity: [Unit: person]
++MaxLibNum	integer	body	true	Maximum number of libraries that can be built
++FreeLibNum	integer	body	true	Number of remaining libraries that can be built

6.4.1.5.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/PeopleLibraries/Capacity".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "MaxPeopleNum": 100,
         "FreePeopleNum": 80,
         "MaxLibNum": 5,
         "FreeLibNum": 5
      }
   }
}
```

6.4.2 People

6.4.2.1 Add People

6.4.2.1.1 Overview

Names	Description
Interface Description	Add People information for the specified library
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People
Interface request method	POST
How to submit data	application/json

6.4.2.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	People library ID

6.4.2.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of People in the People library Value range: [1, 6] Currently, the NVR can only be modified by one person. This field can only be 1
PersonInfoList	object[]	body	true	List of people information
+PersonID	integer	body	true	Person ID
+LastChange	integer	body	true	People info last modified (Unix timestamp)
+PersonName	string	body	true	People names Scope: [1, 63]
+Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Female
+Birthday	string	body	true	Member's date of birth Format YYYYMMDD, string length range: [1, 31]
+Region	object	body	true	Member region Information
++Nation	string	body	true	Nationality String length range: [1, 63]
++Province	string	body	true	Provinces String length range: [1, 63]
++City	string	body	true	City String length range: [1, 63]
+IdentificationNum	integer	body	true	Number of member credentials Currently NVR supports only one ID This field is filled in 1 by default
+IdentificationList	object[]	body	true	List of member ID information
++Type	integer	body	false	Type of credentials 0: ID card 1: IC card 2: QR code 3: Bluetooth number 99: other, default value
++Number	string	body	false	Id number String length range: [1, 31]
+ImageNum	integer	body	true	Number of face pictures Currently, NVR supports only one image, and this field has a fixed value of 1
+ImageList	object[]	body	false	Face picture information list This field is optional when ImageNum is 0

Parameter Names	Parameter type	Parameter location	Required	Description
++FaceID	integer	body	true	Face Photo ID Currently NVR supports only one face photo Therefore, this field is currently filled with 0 by default
++ModelStatus	integer	body	true	Modeling state The state of turning the face picture into semi-structured data 0: not modeled 1: modeled 2: Modeling failed
++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried String length Value range: [0, 128]
++Size	integer	body	true	Photo size
++Data	string	body	true	BASE64 encoded picture data

6.4.2.1.4 Example of request parameters

```
{
  "Num": 1,
  "PersonInfoList": [
    {
      "PersonID": 1,
      "LastChange": 1510925018,
      "PersonName": "string",
      "Gender": 0,
      "Birthday": "\"20180112\"",
      "Region": {
        "Nation": "China",
        "Province": "ZheJiang",
        "City": "Hangzhou"
      },
      "IdentificationNum": 0,
      "IdentificationList": [
        {
          "Type": 0,
          "Number": "\"33022319890520222X\""
        }
      ],
      "ImageNum": 0,
      "ImageList": [
        {
          "FaceID": 0,
          "ModelStatus": 0,
          "Name": "string",
          "Size": 0,
          "Data": "string"
        }
      ]
    }
  ]
}
```

6.4.2.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+StatusString	string	body	true	Resolution result corresponding to the status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of People Range: [0, 6]
++PersonList	object[]	body	true	List of people information results
+++PersonID	integer	body	true	Person ID
+++FaceNum	integer	body	true	Number of faces Currently NVR only supports one face This field is fixed to return 1 Value range: [0, 6]
+++FaceList	object[]	body	true	List of face information results
++++FaceID	integer	body	true	Face ID
++++ResultCode	integer	body	true	Process the resulting status code 0: Success 1: Universal execution failed 1000: Algorithm initialization failed 1001: Face detection failed 1002: The image does not detect a face 1003: jpeg photo decoding failed 1004: The picture quality score is not satisfied 1005: Picture scaling failed 1006: Smart not enabled 1007: Imported picture is too large 1008: The imported image is too small 1009: The resolution of the imported image exceeds 2304 x 2304 1010: The imported picture does not exist 1011: The maximum number of face elements has been reached 1012: The smart stick algorithm model does not match 1013: Face import library member ID number is illegal 1014: Face import library member picture format is wrong 1015: The channel Monitor has reached the upper limit of the device capability 1016: Other customers are operating the face library 1017: The face library file is being updated 1018: Json deserialization failed 1019: Base64 decoding failed 1020: Face photo, the encoded size and the actual length of the received does not agree

Parameter Names	Parameter type	Parameter location	Required	Description
				1100: Fingerprint operation - the person is not present 1101: Fingerprint operation - Fingerprint module module is not connected 1102: Fingerprint operation - Fingerprint memory processing failed 1103: Fingerprint operation -LAPI delivers a blank fingerprint 1104: Fingerprint operation - Internal error 1105: Fingerprint operation - Excess inventory 1106: Fingerprint operation - Fingerprint ID error
+++FingerprintNum	string	body	true	Number of fingerprint processing results
+++FingerprintList	string[]	body	true	List of fingerprint processing results

6.4.2.1.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed",
    "Data": {
      "Num": 0,
      "PersonList": [
        {
          "PersonID": 0,
          "FaceNum": 0,
          "FaceList": [
            {
              "FaceID": 0,
              "ResultCode": 0
            }
          ],
          "FingerprintNum": "string",
          "FingerprintList": [
            "string"
          ]
        }
      ]
    }
  }
}
```


6.4.2.2 Modify People

6.4.2.2.1 Overview

Names	Description
Interface Description	Modify the People information of a specified library Currently only single-person modifications are supported

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People
Interface request method	PUT
Data submission method	application/json

6.4.2.2.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ID	Integer	true	2	People library ID

6.4.2.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of People in the People library Value range: [1, 6] Current NVR only supports single person modification, this field can only be filled in 1
PersonInfoList	object[]	body	true	List of people information
+PersonID	integer	body	true	Person ID
+LastChange	integer	body	true	People info last modified (Unix timestamp)
+PersonName	string	body	true	People names Scope: [1, 63]
+Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Women
+Birthday	string	body	true	Member's date of birth Format YYYYMMDD, string length range: [1, 31]
+Region	object	body	true	Member region Information
++Nation	string	body	true	nationality String length range: [1, 63]
++Province	string	body	true	Provinces String length range: [1, 63]
++City	string	body	true	City String length range: [1, 63]
+IdentificationNum	integer	body	true	Number of member credentials Currently the NVR supports only one ID This field is filled in 1 by default

Parameter Names	Parameter type	Parameter location	Required	Description
+IdentificationList	object[]	body	true	List of member ID information
++Type	integer	body	false	Type of credentials 0: ID card 1: IC card 2: QR code 3: Bluetooth number 99: Other, default
++Number	string	body	false	Id number String length range: [1, 31]
+ImageNum	integer	body	true	Number of face pictures Currently, NVR supports only one image, and this field has a fixed value of 1
+ImageList	object[]	body	false	Face picture information list This field is optional when ImageNum is 0
++FaceID	integer	body	true	Face Photo ID Currently NVR supports only one face photo Therefore, this field is currently filled with 0 by default
++ModelStatus	integer	body	true	Modeling state The state of turning the face picture into semi-structured data 0: Unmodeled 1: modeled 2: Modeling failed
++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried String length Value range: [0, 128]
++Size	integer	body	true	Photo size
++Data	string	body	true	BASE64 encoded picture data

6.4.2.2.4 Example of Request Parameters

```
{
  "Num": 1,
  "PersonInfoList": [
    {
      "PersonID": 1,
      "LastChange": 1510925018,
      "PersonName": "string",
      "Gender": 0,
      "Birthday": "\"20180112\"",
      "Region": {
        "Nation": "China",
        "Province": "ZheJiang",
        "City": "Hangzhou"
      },
      "IdentificationNum": 0,
      "IdentificationList": [
        {
```

```
            "Type": 0,
            "Number": "\"33022319890520222X\""
          }
        ],
        "ImageNum": 0,
        "ImageList": [
          {
            "FaceID": 0,
            "ModelStatus": 0,
            "Name": "string",
            "Size": 0,
            "Data": "string"
          }
        ]
      }
    ]
}
```


6.4.2.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+CreatedID	integer	body	true	ID of the array object created by the POST method. If not used, fill in -1
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+StatusString	string	body	true	Resolution result corresponding to the status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of People Range: [0, 6]
++PersonList	object[]	body	true	List of people information results
+++PersonID	integer	body	true	Person ID
+++FaceNum	integer	body	true	Number of faces Currently NVR only supports one face This field is fixed to return 1 Value range: [0, 6]
+++FaceList	object[]	body	true	List of face information results
++++FaceID	integer	body	true	Face ID
++++ResultCode	integer	body	true	Process the resulting status code 0: Success 1: Universal execution failed 1000: algorithm initialization fails

Parameter Names	Parameter type	Parameter location	Required	Description
				1001: Face detection failed 1002: The image does not detect a face 1003: jpeg photo decoding failed 1004: The picture quality score is not satisfied 1005: Picture scaling failed 1006: Smart not enabled 1007: Imported picture is too large 1008: Import picture is too small 1009: The resolution of the imported image exceeds 2304 x 2304 1010: The imported picture does not exist 1011: The maximum number of face elements has been reached 1012: The smart stick algorithm model does not match 1013: Face import library member ID number is illegal 1014: Face import library member picture format is wrong 1015: The channel Monitor has reached the upper limit of the device capability 1016: Other customers are operating the face library 1017: The face library file is being updated 1018: Json deserialization failed 1019: Base64 decoding failed 1020: Face photo, the encoded size and the actual length of the received does not agree 1100: Fingerprint operation - the person is not present 1101: Fingerprint operation - Fingerprint module module is not connected 1102: Fingerprint operation - Fingerprint memory processing failed 1103: Fingerprint operation - The fingerprint feature sent by LAPI is empty 1104: Fingerprint operation - Internal error 1105: Fingerprint operation - Excess inventory 1106: Fingerprint operation - Fingerprint ID error
+++FingerprintNum	string	body	true	Number of fingerprint processing results
+++FingerprintList	string[]	body	true	List of fingerprint processing results

6.4.2.2.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People",
    "CreatedID": 0,
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed",
    "Data": {
      "Num": 0,
      "PersonList": [
        {
          "PersonID": 0,
          "FaceNum": 0,
          "FaceList": [
            {
              "FaceID": 0,
              "ResultCode": 0
```

```
            }
            ],
            "FingerprintNum": "string",
            "FingerprintList": [
              "string"
            ]
          }
        ]
      }
    }
}
```

6.4.2.3 Delete the Specified Person Information for the Specified Library

6.4.2.3.1 Overview

Names	Description
Interface Description	Delete the specified person information for the specified library
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People/<ID>
Interface request method	DELETE
Data submission method	application/json

6.4.2.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	integer	true	2	People Library ID Note: PeopleLibraries/<ID>
ID	integer	true	2	Note: People/<ID>

6.4.2.3.3 Request Parameters

None

6.4.2.3.4 Example for Request Parameters

None

6.4.2.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.2.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.4.2.4 Query People Information

6.4.2.4.1 Overview

Names	Description
Interface Description	Condition Query People Information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People/Info
Interface request method	POST
How to submit data	application/json

6.4.2.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	2	People library ID

6.4.2.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Query the number of criteria
QueryInfos	object[]	body	false	Query list of criteria When Num is 0, this field is not included
+QryType	integer	body	true	Query criteria

Parameter Names	Parameter type	Parameter location	Required	Description
				55: Name of person 58: ID number 91: Face modeling status 95: Super long person ID
+QryCondition	integer	body	true	Query the conditional logical type 0: equal
+QryData	string	body	true	Query the Rvalue of the condition The query conditions are all represented by strings. When the QryCondition value is 6 or 7, this field is not filled in Currently, NVR only supports single-type query QryType=55, the value is the person name QryType=58, value is ID number QryType=91, the value is the face modeling state, the specific enumeration values are as follows: 0: not modeled, 1: modeling successful, 2: modeling failed
Limit	integer	body	true	Number of queries per query, up to 20
Offset	integer	body	true	Start the query from the current serial number, with the initial serial number starting at 0

6.4.2.4.4 Example of Request Parameters

```
{
   "Num": 0,
   "QueryInfos": [
      {
         "QryType": 6,
         "QryCondition": 0,
         "QryData": "DiskOffline"
      }
   ],
   "Limit": 0,
   "Offset": 0
}
```

6.4.2.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter name	Parameter type	Parameter location	Required	Description
++Total	integer	body	true	The total number that matches the query criteria
++Offset	integer	body	true	Current serial number, which starts from 0
++PersonList	object	body	true	List of eligible face information
+++Num	integer	body	true	Number of People in the People library Value range: [1, 6] Current NVR only supports single person modification, this field can only be filled in 1
+++PersonInfoList	object[]	body	true	List of people information
++++PersonID	integer	body	true	Person ID
++++LastChange	integer	body	true	People info last modified (Unix timestamp)
++++PersonName	string	body	true	People names Scope: [1, 63]
++++Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Female
++++Birthday	string	body	true	Member's date of birth Format YYYYMMDD, string length range: [1, 31]
++++Region	object	body	true	Member region Information
+++++Nation	string	body	true	Nationality String length range: [1, 63]
+++++Province	string	body	true	Provinces String length range: [1, 63]
+++++City	string	body	true	City String length range: [1, 63]
++++IdentificationNum	integer	body	true	Number of member credentials Currently the NVR supports only one ID This field is filled in 1 by default
++++IdentificationList	object[]	body	true	List of member ID information
+++++Type	integer	body	false	Type of credentials 0: ID card 1: IC card 2: QR code 3: Bluetooth number 99: Other, default
+++++Number	string	body	false	Id number String length range: [1, 31]
++++ImageNum	integer	body	true	Number of face pictures Currently, NVR supports only one image, and this field has a fixed value of 1

Parameter name	Parameter type	Parameter location	Required	Description
++++ImageList	object[]	body	false	Face picture information list This field is optional when ImageNum is 0
+++++FaceID	integer	body	true	Face Photo ID Currently NVR supports only one face photo Therefore, this field is currently filled with 0 by default
+++++ModelStatus	integer	body	true	Modeling state The state of turning the face picture into semi-structured data 0: Unmodeled 1: modeled 2: Modeling failed
+++++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried String length Value range: [0, 128]
+++++Size	integer	body	true	Photo size
+++++Data	string	body	true	BASE64 encoded picture data

6.4.2.4.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People/Info",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Total": 0,
      "Offset": 0,
      "PersonList": {
        "Num": 1,
        "PersonInfoList": [
          {
            "PersonID": 1,
            "LastChange": 1510925018,
            "PersonName": "string",
            "Gender": 0,
            "Birthday": "\"20180112\"",
            "Region": {
              "Nation": "China",
              "Province": "ZheJiang",
              "City": "HangZhou"
            },
            "IdentificationNum": 0,
            "IdentificationList": [
              {
                "Type": 0,
                "Number": "\"330223198905202222X\""
              }
            ],
            "ImageNum": 0,
            "ImageList": [
```

```
                {
                    "FaceID": 0,
                    "ModelStatus": 0,
                    "Name": "string",
                    "Size": 0,
                    "Data": "string"
                }
            ]
        }
    ]
  }
 }
}
```


6.4.3 Monitor Rules

6.4.3.1 Query Monitor Tasks

6.4.3.1.1 Overview

name	Description
Interface Description	Queryll face Monitor tasks
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor?ID=<ID>&Limit=<Limit>&Offset=<Offset>
Interface request method	GET
How data is submitted	application/json

6.4.3.1.2 URL description

Parameter Names	Parameter type	Required	Example value	Description
ID	integer	true	1	Channel Number
Limit	integer	true	10	Number of queries per query, up to 25
Offset	integer	true	0	Query from the current serial number The serial number starts at 0

6.4.3.1.3 Request Parameters

None

6.4.3.1.4 Example of Request Parameters

None

6.4.3.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of face Monitor tasks
++MonitorList	object[]	body	false	Face Monitor Task list This field is not returned if Num is 0
+++ID	integer	body	false	Face Monitor task serial number
+++MonitorBaseInfo	object	body	true	Configure information about the face Monitor task
++++ID	integer	body	true	Face Monitor ID
++++Enabled	integer	body	true	Enable the face Monitor task 0: disables 1: enabled
++++LibNum	integer	body	true	The number of faces in the library corresponding to the task Currently NVR only supports one
++++LibIDList	string[]	body	true	List of library ids
++++MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched 2: All alarms
++++Name	string	body	true	Face Monitor task Monitor name, range: [1, 63]
++++Reason	string	body	true	The reason for the Monitor of the face Monitor task Scope: [1, 63]
++++MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
++++MatchSucceedMsg	string	body	true	Compare success tips. Range: [0, 256]
++++MatchFailedMsg	string	body	true	Compare the failure prompt. Range: [0, 256]
++++ChannelNum	string	body	true	Number of Monitor channels for the face Monitor task
++++ChannelIDList	integer[]	body	true	List of Monitor channels for the face Monitor task This field is empty when ChannelNum is 0
+++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
+++LinkageStrategy	object[]	body	true	Alarm linkage configuration array

Parameter name	Parameter type	Parameter location	Required	Description
++++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
++++LinkageActions	object	body	true	Linkage Action information
+++++Num	integer	body	true	Linkage quantity
+++++Actions	object[]	body	false	Linkage Action information table
++++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
++++++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: Linkage light alarm defense
++++++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The linkage parameter configuration of different Actid items varies
+++WeekPlan	object	body	true	Face Monitor task Monitor plan
++++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++++Days	object[]	body	true	List of Monitor plans for each day of the week
+++++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday

Parameter name	Parameter type	Parameter location	Required	Description
+++++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.4.3.1.6 Example of Returning parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor?ID=<ID>&Limit=<Limit>&Offset=<Offset>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "MonitorList": [
        {
          "ID": 0,
          "MonitorBaseInfo": {
            "ID": 0,
            "Enabled": 1,
            "LibNum": 0,
            "LibIDList": [
              "string"
            ],
            "MonitorType": 0,
            "Name": "string",
            "Reason": "string",
            "MultipleValue": 0,
            "MatchSucceedMsg": "string",
            "MatchFailedMsg": "string",
            "ChannelNum": "string",
```

```
            "ChannelIDList": [
              0
            ]
          },
          "LinkageStrategyNum": 0,
          "LinkageStrategy": [
            {
              "Type": 1,
              "LinkageActions": {
                "Num": 0,
                "Actions": [
                  {
                    "Enabled": 1,
                    "ActID": 0,
                    "ActParam": {}
                  }
                ]
              }
            }
          ],
          "WeekPlan": {
            "Num": 1,
            "Days": [
              {
                "ID": 1,
                "Num": 1,
                "TimeSectionInfos": [
                  {
                    "Begin": "00:00:00",
                    "End": "23:59:59",
                    "ArmingType": 0
                  }
                ]
              }
            ]
          }
        }
      ]
    }
  }
}
```


6.4.3.2 Add a Monitor Task

6.4.3.2.1 Overview

Names	Description
Interface Description	Add face Monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor
Interface request method	POST
How to submit data	application/json

6.4.3.2.2 URL Description

None

6.4.3.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
MonitorBaseInfo	object	body	true	Configuration information about the face Monitor task
+ID	integer	body	true	Face Monitor ID
+Enabled	integer	body	true	Enable the face Monitor task 0: disables 1: enabled
+LibNum	integer	body	true	The number of faces in the library corresponding to the task Currently NVR only supports one
+LibIDList	string[]	body	true	List of library ids
+MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched 2: All alarms
+Name	string	body	true	Face Monitor task Monitor name, range: [1, 63]
+Reason	string	body	true	The reason for the Monitor of the face Monitor task Scope: [1, 63]
+MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
+MatchSucceedMsg	string	body	true	Compare success tips. Range: [0, 256]
+MatchFailedMsg	string	body	true	Compare the failure prompt. Range: [0, 256]
+ChannelNum	string	body	true	Number of Monitor channels for the face Monitor task
+ChannelIDList	integer[]	body	true	List of Monitor channels for the face Monitor task This field is empty when ChannelNum is 0
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Linkage Action information
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables

Parameter Name	Parameter type	Parameter location	Required	Description
				1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: linkage alarm is reported 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The linkage parameter configuration of different Actid items varies
WeekPlan	object	body	true	Face Monitor task Monitor plan
+Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week Default value: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++End	string	body	true	End time

Parameter Name	Parameter type	Parameter location	Required	Description
				Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Call the police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.4.3.2.4 Example of Request Parameters

```
{
  "MonitorBaseInfo": {
    "ID": 0,
    "Enabled": 1,
    "LibNum": 0,
    "LibIDList": [
      "string"
    ],
    "MonitorType": 0,
    "Name": "string",
    "Reason": "string",
    "MultipleValue": 0,
    "MatchSucceedMsg": "string",
    "MatchFailedMsg": "string",
    "ChannelNum": "string",
    "ChannelIDList": [
      0
    ]
  },
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 0,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 0,
            "ActParam": {}
          }
        ]
      }
    }
  ],
  "WeekPlan": {
    "Num": 1,
    "Days": [
      {
```

```
            "ID": 1,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
}
```


6.4.3.2.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Deploy the number of results
++MonitorResultList	object[]	body	true	List of results information
+++ChannelID	integer	body	true	Channel ID This parameter is mandatory when routing a channel
+++ResultCode	integer	body	true	Failure causes are displayed 1: General execution fails 1000: Algorithm initialization failed 1001: Face detection failed 1002: The image does not detect a face 1003: jpeg photo decoding failed 1004: The picture quality score is not satisfied 1005: Picture scaling failed 1006: Smart not enabled 1007: Import picture is too small 1008: Import picture is too large 1009: The resolution of the imported image exceeds the maximum limit of 1920*1080 1010: The imported picture does not exist 1011: The maximum number of face elements has been reached 1012: The smart stick algorithm model does not match 1013: Face import library member ID number is illegal 1014: Face import library member picture format is wrong 1015: The channel Monitor has reached the upper limit of the device capability 1016: Other customers are operating the face library

Parameter name	Parameter type	Parameter location	Required	Description
				1017: The face library file is being updated 1018: Json deserialization failed 1019: Base64 decoding failed 1020: Face photo, the encoded size and the actual length of the received does not agree 1021: Only devices with the same image access protocol can be selected for each Monitor task 1022: The device face library reaches the upper limit 1023: No smart stick 1024: Device is busy 1025: The video gallery is not connected

6.4.3.2.6 Return Parameter Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Num": 0,
         "MonitorResultList": [
            {
               "ChannelID": 0,
               "ResultCode": 0
            }
         ]
      }
   }
}
```

6.4.3.3 Batches Delete Monitor Tasks

6.4.3.3.1 Overview

Names	Description
Interface Description	Batches Delete Monitor Tasks
Interface Version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor
Interface request method	DELETE
Data submission method	application/json

6.4.3.3.2 URL description

None

6.4.3.3.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of tasks to deploy
MonitorIDList	integer[]	body	true	Deploy the list of task ids

6.4.3.3.4 Example of Request Parameters

```
{
   "Num": 0,
   "MonitorIDList": [
      0
   ]
}
```

6.4.3.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	NULL
++Num	integer	body	true	Batch delete the number of returned results
++Result	object	body	true	Batch deletion returns results This field is empty when Num is 0
+++ID	integer	body	true	Face library ID
+++ResultCode	integer	body	true	Return error code 0: The deletion succeeded 1: failed to be deleted

6.4.3.3.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Num": 0,
         "Result": {
            "ID": 0,
            "ResultCode": 0
```

```
        }
      }
    }
  }
```

6.4.3.4 Get Monitor Task

6.4.3.4.1 Overview

Names	Description
Interface Description	Get a single face Monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Interface request method	GET
How data is submitted	application/json

6.4.3.4.2 URL description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	ID of the Monitor task

6.4.3.4.3 Request Parameters

None

6.4.3.4.4 Example of Request Parameters

None

6.4.3.4.5 Return Parameters

Parameter name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	false	Face Monitor task serial number

Parameter name	Parameter type	Parameter position	Required	Description
++MonitorBaseInfo	object	body	true	Configure information about the face Monitor task
+++ID	integer	body	true	Face Monitor ID
+++Enabled	integer	body	true	Enable the face Monitor task 0: disables 1: enabled
+++LibNum	integer	body	true	The number of faces in the library corresponding to the task Currently NVR only supports one
+++LibIDList	string[]	body	true	Library ID list
+++MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched 2: indicates all alarms
+++Name	string	body	true	Face Monitor task Monitor name, range: [1, 63]
+++Reason	string	body	true	The reason for the Monitor of the face Monitor task Scope: [1, 63]
+++MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
+++MatchSucceedMsg	string	body	true	Compare success tips. Range: [0, 256]
+++MatchFailedMsg	string	body	true	Compare the failure prompt. Range: [0, 256]
+++ChannelNum	string	body	true	Number of Monitor channels for the face Monitor task
+++ChannelIDList	integer[]	body	true	List of Monitor channels for the face Monitor task This field is empty when ChannelNum is 0
++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
++LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+++LinkageActions	object	body	true	Linkage Action information
++++Num	integer	body	true	Linkage quantity
++++Actions	object[]	body	false	Linkage Action information table
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
+++++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters

Parameter name	Parameter type	Parameter position	Required	Description
				IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Linkage sound alarm Monitor 29: linkage light alarm defense
+++++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The linkage parameter configuration of different Actid items varies
++WeekPlan	object	body	true	Face Monitor task Monitor plan
+++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
+++Days	object[]	body	true	List of Monitor plans for each day of the week
++++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
++++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++++ArmingType	integer	body	true	Type of defense

Parameter name	Parameter type	Parameter position	Required	Description
				Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.4.3.4.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "MonitorBaseInfo": {
        "ID": 0,
        "Enabled": 1,
        "LibNum": 0,
        "LibIDList": [
          "string"
        ],
        "MonitorType": 0,
        "Name": "string",
        "Reason": "string",
        "MultipleValue": 0,
        "MatchSucceedMsg": "string",
        "MatchFailedMsg": "string",
        "ChannelNum": "string",
        "ChannelIDList": [
          0
        ]
      },
      "LinkageStrategyNum": 0,
      "LinkageStrategy": [
        {
          "Type": 1,
          "LinkageActions": {
            "Num": 0,
            "Actions": [
              {
                "Enabled": 1,
                "ActID": 0,
                "ActParam": {}
              }
            ]
          }
        }
      ],
      "WeekPlan": {
        "Num": 1,
```

```
        "Days": [
          {
            "ID": 1,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
    }
}
```


6.4.3.5 Set Monitor Task

6.4.3.5.1 Overview

Names	Description
Interface Description	Set up a single face Monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Interface request method	PUT
Data submission method	application/json

6.4.3.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the Monitor task

6.4.3.5.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
MonitorBaseInfo	object	body	true	Configure information about the face Monitor task
+ID	integer	body	true	Face Monitor ID
+Enabled	integer	body	true	Enable the face Monitor task 0: disables 1: enabled
+LibNum	integer	body	true	The number of faces in the library corresponding to the task Currently NVR only supports one

Parameter Name	Parameter type	Parameter location	Required	Description
+LibIDList	string[]	body	true	List of library ids
+MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched 2: All alarms
+Name	string	body	true	Face Monitor task Monitor name, range: [1, 63]
+Reason	string	body	true	The reason for the Monitor of the face Monitor task Scope: [1, 63]
+MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
+MatchSucceedMsg	string	body	true	Compare success tips. Range: [0, 256]
+MatchFailedMsg	string	body	true	Compare the failure prompt. Range: [0, 256]
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Linkage Action information
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: activates the buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters

Parameter Name	Parameter type	Parameter location	Required	Description
				For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Parameter Table The linkage parameter configuration of different Actid items varies
WeekPlan	object	body	true	Face Monitor task Monitor plan
+Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide. This field is optional when the number of time ranges is 0
+++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.4.3.5.4 Example of Request Parameters

```
{
```

```
  "MonitorBaseInfo": {
    "ID": 0,
    "Enabled": 1,
    "LibNum": 0,
    "LibIDList": [
      "string"
    ],
    "MonitorType": 0,
    "Name": "string",
    "Reason": "string",
    "MultipleValue": 0,
    "MatchSucceedMsg": "string",
    "MatchFailedMsg": "string"
  },
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 0,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 0,
            "ActParam": {}
          }
        ]
      }
    }
  ],
  "WeekPlan": {
    "Num": 1,
    "Days": [
      {
        "ID": 1,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
  }
}
```


6.4.3.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results

Parameter name	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.3.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.4.3.6 Delete Monitor Task

6.4.3.6.1 Overview

Names	Description
Interface Description	Delete a single face Monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Interface request method	DELETE
Data submission method	application/json

6.4.3.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the Monitor task

6.4.3.6.3 Request Parameters

None

6.4.3.6.4 Example for Request Parameters

None

6.4.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.3.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.4.3.7 Get Monitor Task Rules

6.4.3.7.1 Overview

Names	Description
Interface Description	Query basic information about a single face Monitor rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Interface request method	GET
How data is submitted	application/json

6.4.3.7.2 URL description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	ID of the Monitor task

6.4.3.7.3 Request Parameters

None

6.4.3.7.4 Example of Request Parameters

None

6.4.3.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Face Monitor ID
++Enabled	integer	body	true	Enable the face Monitor task 0: disables 1: enabled
++LibNum	integer	body	true	The number of faces in the library corresponding to the task Currently, only one NVR is supported
++LibIDList	string[]	body	true	List of library ids
++MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched 2: All alarms
++Name	string	body	true	Face Monitor task Monitor name, range: [1, 63]
++Reason	string	body	true	The reason for the Monitor of the face Monitor task Scope: [1, 63]
++MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
++MatchSucceedMsg	string	body	true	Compare success tips. Range: [0, 256]
++MatchFailedMsg	string	body	true	Compare the failure prompt. Range: [0, 256]
++ChannelNum	string	body	true	Number of Monitor channels for the face Monitor task
++ChannelIDList	integer[]	body	true	List of Monitor channels for the face Monitor task This field is empty when ChannelNum is 0

6.4.3.7.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
```

```
    "Data":{
      "ID": 0,
      "Enabled": 1,
      "LibNum": 0,
      "LibIDList": [
        "string"
      ].
      "MonitorType": 0,
      "Name": "string",
      "Reason": "string",
      "MultipleValue": 0,
      "MatchSucceedMsg": "string",
      "MatchFailedMsg": "string",
      "ChannelNum": "string",
      "ChannelIDList": [
        0
      ]
    }
  }
}
```


6.4.3.8 Set Monitor Task Rules

6.4.3.8.1 Overview

name	Description
Interface Description	Set the single face Monitor rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Interface request method	PUT
Data submission method	application/json

6.4.3.8.2 URL description

None

6.4.3.8.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Face Monitor ID
Enabled	integer	body	true	Enable the face Monitor task 0: disables 1: enabled
LibNum	integer	body	true	The number of faces in the library corresponding to the task Currently NVR only supports one
LibIDList	string[]	body	true	List of library ids

Parameter Name	Parameter type	Parameter location	Required	Description
MonitorType	integer	body	false	Cloth charge police type 0: matches the alarm 1: The alarm is not matched 2: All alarms
Name	string	body	true	Face Monitor task Monitor name, range: [1, 63]
Reason	string	body	true	The reason for the Monitor of the face Monitor task Scope: [1, 63]
MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
MatchSucceedMsg	string	body	true	Compare success tips. Range: [0, 256]
MatchFailedMsg	string	body	true	Compare the failure prompt. Range: [0, 256]
ChannelNum	string	body	true	Number of Monitor channels for the face Monitor task
ChannelIDList	integer[]	body	true	List of Monitor channels for the face Monitor task This field is empty when ChannelNum is 0

6.4.3.8.4 Example of Request Parameters

```
{
   "ID": 0,
   "Enabled": 1,
   "LibNum": 0,
   "LibIDList": [
      "string"
   ],
   "MonitorType": 0,
   "Name": "string",
   "Reason": "string",
   "MultipleValue": 0,
   "MatchSucceedMsg": "string",
   "MatchFailedMsg": "string",
   "ChannelNum": "string",
   "ChannelIDList": [
      0
   ]
}
```

6.4.3.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

Parameter name	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	string	body	true	Response results

6.4.3.8.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": "null"
  }
}
```

6.4.3.9 Get the Monitor Linkage Action

6.4.3.9.1 Overview

name	Description
Interface Description	Query single face Monitor linkage action
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.4.3.9.2 URL Description

Parameter Name	Parameter type	Required	Example value	Description
ID	unsigned long	true	0	ID of the Monitor task

6.4.3.9.3 Request Parameters

None

6.4.3.9.4 Example of Request Parameters

None

6.4.3.9.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
++LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+++LinkageActions	object	body	true	Face Monitor task linkage action
++++Num	integer	body	true	Linkage quantity
++++Actions	object[]	body	false	Linkage Action information table
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
+++++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: indicates the email linkage 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The parameter configuration structure of linkage items varies according to the linkage item

6.4.3.9.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "LinkageStrategyNum": 0,
      "LinkageStrategy": [
        {
          "Type": 1,
          "LinkageActions": {
            "Num": 0,
            "Actions": [
              {
                "Enabled": 1,
                "ActID": 0,
                "ActParam": {}
              }
            ]
          }
        }
      ]
    }
  }
}
```


6.4.3.10 Set the Linkage Action for Monitor

6.4.3.10.1 Overview

Names	Description
Interface description	Set a single face Monitor gauge linkage action
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.4.3.10.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the Monitor task

6.4.3.10.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies

Parameter Name	Parameter type	Parameter location	Required	Description
LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Face control task linkage action
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The linkage parameter configuration of different Actid items varies

6.4.3.10.4 Example of Request Parameters

```
{
   "LinkageStrategyNum": 0,
   "LinkageStrategy": [
      {
         "Type": 1,
         "LinkageActions": {
            "Num": 0,
            "Actions": [
               {
                  "Enabled": 1,
                  "ActID": 0,
                  "ActParam": {}
```

```
            }
          ]
        }
      }
    ]
}
```

6.4.3.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.3.10.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.4.3.11 Get the Monitor Plan

6.4.3.11.1 Overview

name	Description
Interface Description	Query single face Monitor Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan
Interface request method	GET
How data is submitted	application/json

6.4.3.11.2 URL Description

Parameter Name	Parameter type	Required	Example value	Description
ID	unsigned long	true	0	ID of the Monitor task

6.4.3.11.3 Request Parameters

None

6.4.3.11.4 Example of Request Parameters

None

6.4.3.11.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++WeekPlan	object	body	true	Monitor plan information
+++Num	integer	body	true	Plan days Maximum NVR of 8(seven days a week and holidays) Value range: [1, 8]
+++Days	object[]	body	true	List of Monitor plans for each day of the week
++++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
++++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++++Begin	string	body	true	Start time, format hh:mm:ss Seconds are not currently supported String length range: [0, 15]

Parameter name	Parameter type	Parameter location	Required	Description
+++++End	string	body	true	End time in the format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
+++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.4.3.11.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "WeekPlan": {
        "Num": 1,
        "Days": [
          {
            "ID": 0,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "string",
                "End": "string",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
    }
  }
}
```


6.4.3.12 Set the Monitor Plan

6.4.3.12.1 Overview

Names	Description
Interface Description	Set up a single face Monitor Plan
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan
Interface request method	PUT
Data submission method	application/json

6.4.3.12.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the Monitor task

6.4.3.12.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
WeekPlan	object	body	true	Weekly monitor plan
+Num	integer	body	true	Plan days Maximum NVR of 8(seven days a week and holidays) Value range: [1, 8]
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++Begin	string	body	true	Start time, format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
+++End	string	body	true	End time in the format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
+++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported 0: Timing 1: start check

Parameter Name	Parameter type	Parameter location	Required	Description
				2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.4.3.12.4 Example of Request Parameters

```
{
  "WeekPlan": {
    "Num": 1,
    "Days": [
      {
        "ID": 0,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "string",
            "End": "string",
            "ArmingType": 0
          }
        ]
      }
    ]
  }
}
```

6.4.3.12.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.4.3.12.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
```

```
  }
}
```

6.5 Object Retrieval

6.5.1 Start Object Search

6.5.1.1 Overview

Names	Description
Interface Description	Start Object Search
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/ObjectSearch/Start
Interface request method	PUT
Data submission method	application/json

6.5.1.2 URL Description

None

6.5.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of conditions to query
QueryInfos	object[]	body	false	Query list of criteria This parameter is optional when Num is 0
+QryType	integer	body	true	Query criteria 4: Time, in UTC format, in seconds 8: Alarm \ event type 20: Gender 22: Cause of control 23: license plate number 24: Vehicle type 25: license plate color 26: Body color 29: Direction 35: channel ID 39: license plate type 59: Age group 61: Eyewear style 62: Short and long tops 63: Coat color 64: Short and long bottoms 65: Undergarment color 68: Length of hair style 69: Whether you carry a bag

Parameter Names	Parameter type	Parameter location	Required	Description
				71: non-motor vehicle type 92: Mask sign
+QryCondition	integer	body	true	Query the conditional logical type 0: equal 3: greater than or equal to 4: less than or equal to 7: IN set 8: In ascending order 9: Descending order
+QryData	string	body	true	Query the Rvalue of the condition The alarm type is a string. Multiple types of alarms can be queried. The alarm types are separated by commas (,). A maximum of 16 alarm types are supported at one time. This field is not required when the value of QryCondition is 6 or 7 Query condition Rvalue, currently NVR only supports single type query This field is not filled when the QryCondition value is 6 or 7 If QueryType=4, enter UTC time (start time and end time need to be split into two query conditions) If QueryType is 8, enter the value. For details, see 7.3 Alarm Types If QueryType=20, enter the content enumeration: 0: unknown 1: Male 2: female If QueryType=24, enter the content. See 7.1.9 Vehicle Type When QueryType=39, enter the content for details in 7.1.2 Type of license plate When QueryType=59, enter the content enumeration: 0: unknown 1: Child 2: Junior 3: Youth 4: Middle age 5: Elderly If QueryType=61, 62, 64, or 68, enter the content enumeration. For details, see the corresponding enumeration in 7.4 Person Information Element Definition When QueryType=69, enter the content enumeration: 0: No bag 1: tote 2: backpack 98: unknown QueryType=71, fill in the contents enumeration: 0: unknown 1: bicycle 2: tricycle 3: motorcycle 4: Battery bike 5: two-wheeler QueryType=92, fill in the content enumeration: 0: unknown 1: not wearing a mask 1: wearing a mask QueryType=25, 26, 63, 65, fill in the content enumeration See 7.1.1 General Color table

6.5.1.4 Example of Request Parameters

```
{
   "Num": 1,
   "QueryInfos": [
      {
         "QryType": 6,
         "QryCondition": 0,
         "QryData": "DiskOffline"
      }
   ]
}
```

6.5.1.5 Returning Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++SearchID	integer	body	true	Target Retrieves the business number assigned to the task Default: 1

6.5.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/Smart/ObjectSearch/Start",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "SearchID": 1
      }
   }
}
```

6.5.2 Get the Progress of the Object Search Query

6.5.2.1 Overview

Names	Description
Interface Description	Get the current query progress of the specified target search task. When the progress reaches 100, you can try to get the query result
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/ObjectSearch/Progress?SearchID=<SearchID>
Interface request method	GET
How data is submitted	application/json

6.5.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
SearchID	integer	true	1	The business number of the target retrieval task

6.5.2.3 Request Parameters

None

6.5.2.4 Example of Request Parameters

None

6.5.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Percent	integer	body	true	Target retrieval query progress (percent) Value range: [0, 100]

6.5.2.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/Smart/ObjectSearch/Progress?SearchID=<SearchID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Percent": 100
    }
  }
}
```

6.5.3 Get the Object Search Results

6.5.3.1 Overview

Names	Description
Interface Description	Get the object search results
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/ObjectSearch?SearchID=<SearchID>&Limit=<Limit>&Offset=<Offset>
Interface request method	GET
How data is submitted	application/json

6.5.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
SearchID	integer	true	1	The business number of the target retrieval task
Limit	integer	true	100	Number of queries per retrieval
Offset	integer	true	0	The start sequence number of the search, from which the query will start, starting with 0

6.5.3.3 Request Parameters

None

6.5.3.4 Example of Request Parameters

None

6.5.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Total	integer	body	true	The total number of target search results
++Num	integer	body	true	The amount of target search result information currently returned

Parameter Names	Parameter type	Parameter location	Required	Description
++SmartObjectInfoList	object	body	true	Target result information for each channel This field is mandatory
+++RecordID	integer	body	false	ID of the target search result Optional if Num is 0
+++Type	integer	body	false	Record type of the target search result Optional if Num is 0 0: indicates an Cross Line detection 1: area intrusion 2: Enter the zone 3: Leave the area 4: The battery car enters the elevator 5: SMD(Intelligent Motion Detection) 6: High-altitude throwing 7: Off-post detection 8: Fight detection 9: Sleeping post detection 10: Climbing detection 11: Hat detection 12: work clothes testing 13: Phone test 14: Smoking test 15: Fireworks detection 16: Motion detection 17: Detection without mask 18: Fall detection 19: Wandering detection 20: Chef Hat detection 21: Reflective clothing test
+++Time	integer	body	false	Record time In UTC format, in seconds This parameter is optional when Num is 0
+++ChannelName	string	body	false	Capture the channel name This parameter is optional when Num is 0 String length range: [1, 63]
+++FullPicture	object	body	false	Large picture information Optional if Num is 0
++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
++++Type	integer	body	true	File type
++++LastChange	integer	body	true	Last modified time
+++ObjectList	object[]	body	false	List of target information No target information when Type=[6, 7]

Parameter Names	Parameter type	Parameter location	Required	Description
++++ObjectID	integer	body	true	Target ID The current version of NVR only supports one target, so this field must return 1
++++ObjectPicture	object	body	true	Information about the small graph corresponding to the target
+++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
+++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
+++++Type	integer	body	true	File type
+++++LastChange	integer	body	true	Last modified time
++++ObjectInfo	object	body	true	Details of the target
+++++ObjectType	integer	body	true	Retrieved target type information 2: Human body 3: Non-motor vehicles 4: Motor vehicle 255: Unknown/unidentified target type
+++++PersonInfo	object	body	false	This parameter is mandatory when the target type is human
++++++PersonID	integer	body	true	Person ID, starting at 0
++++++Position	string	body	true	People location information screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684" "," and ";" Both are English half corners String length range: [0, 32]
++++++AttributeInfo	object	body	false	Person attribute information, optional if no attribute is detected
+++++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
++++++++AgeRange	integer	body	false	Age, optional when undetected 0: Children 1: juvenile 2: Youth 3: Middle-aged 4: Old age 98: Unknown
+++++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not detected 1: Not wearing a mask 2: Wearing a mask

Parameter Names	Parameter type	Parameter location	Required	Description
				255: Unknown
+++++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve 2: Long sleeves
+++++++CoatColor	integer	body	false	Top color Main color, optional if not detected, see 7.1.1 General Color table
+++++++TrousersLength	integer	body	false	Undergarment length style, optional if not detected 0: unknown 1: Shorts 2: Long pants
+++++++TrousersColor	integer	body	false	Undercoat color Main color, optional if not detected, see 7.1.1 General Color table
+++++++HairLength	integer	body	false	Hair length, optional when undetected 0: Unknown/uncertain 1: Long hair 2: Short hair
+++++++BagFlag	integer	body	false	Bag flag, optional if not detected 0: No bag 1: Carrying bag 2: Backpack 98: Unknown
+++++++MovingDirection	integer	body	false	People movement direction, optional if not detected 1: Stationary 2: Up 3: Down 4: Left 5: To the right 6: Top left 7: Bottom left 8: Top right 9: Bottom right 255: Unknown
+++++++WalkStatus	string	body	false	Pedestrian status, optional when undetected, see 7.1.10 Types of violations
++++++RuleInfo	object	body	false	Rule information
+++++++RuleType	integer	body	true	Type of rule 0: Zone intrusion 1: Cross Line detection 2: Out of area 3: Enter the area
+++++++TrigerType	integer	body	false	Rule trigger type 0: No trigger type 1: two-way trigger 2: Trigger clockwise 3: Counterclockwise trigger 4: Enter trigger 5: Leave the trigger

Parameter Names	Parameter type	Parameter location	Required	Description
+++++++PointNum	integer	body	true	Number of regular coordinate points
+++++++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When the number of vertices is 0, this node can be none
++++++++X	integer	body	true	X-axis coordinates, range: [0, 10000]
++++++++Y	integer	body	true	Y-axis coordinates, range: [0, 10000]
+++++NonMotorVehicleInfo	object	body	false	Non-motor vehicle information retrieved, required if the target type is non-motor vehicle
++++++ID	integer	body	true	Non-motor vehicle ID, starting at 1 Value range: [1,]
++++++Position	string	body	true	Non-motor vehicle position information screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684" "," and ";" Both are English half corners String length range: [0, 32]
++++++DirectionType	integer	body	false	Direction of motion, optional if not detected
++++++AttributeInfo	object	body	false	Non-motor vehicle attribute information, optional when the attribute is not detected
+++++++SpeedType	integer	body	false	Non-motor vehicle speed type in structured scenario, optional if not detected 0: unknown 1: Still 2: Slow 3: Medium speed 4: Fast
+++++++ImageDirection	integer	body	false	In the structured scene, the motion direction of the non-motor vehicle relative to the picture is optional if it is not detected 0: unknown 1: Still 2: Up 3: Down 4: Left 5: To the right 6: Top left 7: Bottom left 8: Top right 9: Bottom right
+++++++NonVehicleType	integer	body	false	Non-motor vehicle type, optional when undetected 0: unknown 1: Human-powered bike 2: Tricycle 3: Motorcycle 4: Electric bicycle 5: Two-wheeler (motorcycle/manpower bike/electric bike)
++++++PersonOnNoVehicleNum	integer	body	true	Number of drivers and passengers

Parameter Names	Parameter type	Parameter location	Required	Description
++++++PersonOnNoVehicleInfoList	object	body	false	List of driver and passenger information, optional if PersonOnNoVehicleNum is 0
++++++RuleInfo	object	body	false	Rule information
+++++++RuleType	integer	body	true	Type of rule 0: Zone intrusion 1: Cross Line detection 2: Out of area 3: Enter the area
+++++++TrigerType	integer	body	false	Rule trigger type 0: No trigger type 1: bidirectional trigger 2: Trigger clockwise 3: Counterclockwise trigger 4: Enter trigger 5: Leave the trigger
+++++++PointNum	integer	body	true	Number of regular coordinate points
+++++++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When the number of vertices is 0, this node can be none
++++++++X	integer	body	true	X-axis coordinates, range: [0, 10000]
++++++++Y	integer	body	true	Y-axis coordinates, range: [0, 10000]
+++++VehicleInfo	object	body	false	This parameter is mandatory when the target type is a motor vehicle
++++++Position	string	body	true	Vehicle position information screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684" "," and ";" Both are English half corners String length range: [0, 32]
++++++VehicleAttributeInfo	object	body	false	Vehicle attribute information, optional when no attribute is detected
+++++++Type	integer	body	false	Vehicle type. See 7.1.9 Vehicle Type for details
+++++++Color	integer	body	false	Body color Main color, optional if not detected See 7.1.1 General Color table for details
+++++++VehicleBrand	string	body	false	Vehicle brand code, optional if not detected. See 7.1.7 Vehicle Type Table for details
+++++++CodriverSunVisorStatus	integer	body	false	Passenger visor status, optional when not detected 0: Not enabled 1: Enable 2: Unknown
+++++++ImageDirection	integer	body	false	The driving direction of the motor vehicle in the frame coordinate system in the structured scene, optional if not detected For details, see 7.1.13 Driving Direction

Parameter Names	Parameter type	Parameter location	Required	Description
++++++PlateAttributeInfo	object	body	false	License plate attribute information, optional if the license plate attribute is not detected
+++++++PlateNo	string	body	false	License plate number
+++++++Color	integer	body	false	License plate colors See 7.1.1 General Color Table
+++++++Type	integer	body	false	See 7.1.2 Type of number Plate for details

6.5.3.6 Return Parameter Examples


```
{
"Response": {
  "ResponseURL": "/LAPI/V1.0/Channels/Smart/ObjectSearch?SearchID=<SearchID>&Limit=<Limit>&Offset=<Offset>",
  "ResponseCode": 0,
  "SubResponseCode": 0,
  "ResponseString": "Succeed",
  "StatusCode": 0,
  "Data": {
    "Total": 1000,
    "Num": 100,
    "SmartObjectInfoList": {
      "RecordID": 1,
      "Type": 0,
      "Time": 1520412142,
      "ChannelName": ""XX"",
      "FullPicture": {
        "Size": 1,
        "Data": "string",
        "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_unknow.jpg",
        "Type": 0,
        "LastChange": 0
      },
      "ObjectList": [
        {
          "ObjectID": 0,
          "ObjectPicture": {
            "Size": 1,
            "Data": "string",
            "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_unknow.jpg",
            "Type": 0,
            "LastChange": 0
          },
          "ObjectInfo": {
            "ObjectType": 1,
            "PersonInfo": {
              "PersonID": 1,
              "Position": "138,315,282,684",
              "AttributeInfo": {
                "Gender": 0,
                "AgeRange": 3,
                "MaskFlag": 1,
                "SleevesLength": 0,
                "CoatColor": 0,
                "TrousersLength": 0,
                "TrousersColor": 0,
                "HairLength": 0,
```

```
            "BagFlag": 0,
            "MovingDirection": 0,
            "WalkStatus": "string"
          },
          "RuleInfo": {
            "RuleType": 0,
            "TrigerType": 0,
            "PointNum": 6,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        },
        "NonMotorVehicleInfo": {
          "ID": 1,
          "Position": "138,315;282,684",
          "DirectionType": 0,
          "AttributeInfo": {
            "SpeedType": 0,
            "ImageDirection": 0,
            "NonVehicleType": 0
          },
          "PersonOnNoVehicleNum": 1,
          "PersonOnNoVehicleInfoList": {},
          "RuleInfo": {
            "RuleType": 0,
            "TrigerType": 0,
            "PointNum": 6,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        },
        "VehicleInfo": {
          "Position": "138,315;282,684",
          "VehicleAttributeInfo": {
            "Type": 0,
            "Color": 0,
            "VehicleBrand": "string",
            "CodriverSunVisorStatus": 0,
            "ImageDirection": 0
          },
          "PlateAttributeInfo": {
            "PlateNo": "SSSS",
            "Color": 0,
            "Type": 0
          }
        }
      }
    ]
  }
}
```

6.5.4 Stop Object Search

6.5.4.1 Overview

Names	Description
Interface Description	Stop object search
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/ObjectSearch/Stop
Interface request method	DELETE
Data submission method	application/json

6.5.4.2 URL Description

None

6.5.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
SearchID	integer	body	true	Target Retrieves the business number assigned to the task Default: 1

6.5.4.4 Example of Request Parameters

```
{
   "SearchID": 1
}
```

6.5.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.5.4.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/Smart/ObjectSearch/Stop",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.6 Storage

6.6.1 Containers

6.6.1.1 Query Hard Disk Information

6.6.1.1.1 Overview

Names	Description
Interface Description	Query hard disk information
Interface version	V1.0
Interface address	/LAPI/V1.0/Storage/Containers/DetailInfos
Interface request method	GET
How data is submitted	application/json

6.6.1.1.2 URL Description

None

6.6.1.1.3 Request Parameters

None

6.6.1.1.4 Example of Request Parameters

None

6.6.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++LocalHDDNum	integer	body	true	Number of local hard drives
++LocalHDDList	object[]	body	false	Local storage disk information list This byte point is optional when the LocalHDDNum value is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: formatting is being performed 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	true	Formatting progress This field is required when Status is 2
+++GroupID	integer	body	true	Disk group serial number
+++Temperature	integer	body	true	Hard drive temperature (Celsius)
++SDNum	integer	body	true	Number of SD cards, reserved NVR does not support SD cards and returns 0 by default
++SDList	object[]	body	false	SD card information list This byte point is optional when the SDNum value is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)

Parameter names	Parameter type	Parameter location	Required	Description
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	true	Formatting progress This field is required when Status is 2
+++GroupID	integer	body	true	Disk group serial number
+++Temperature	integer	body	true	Hard drive temperature (Celsius)
++ArrayNum	integer	body	true	Number of arrays
++ArrayList	object[]	body	false	Array information list This byte point is optional when the ArrayNum value is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant

Parameter names	Parameter type	Parameter location	Required	Description
+++FormatProgress	integer	body	true	Formatting progress This field is required when Status is 2
+++GroupID	integer	body	true	Disk group serial number
++ExtendCabinet1HDDNum	integer	body	true	Expansion cabinet -1 Store the number of disks
++ExtendCabinet1HDDList	object[]	body	false	Extension Cabinet -1 Information list This byte point is optional when ExtendCabinet1HDDNum is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	true	Formatting progress This field is required when Status is 2
+++GroupID	integer	body	true	Disk group serial number
+++Temperature	integer	body	true	Hard drive temperature (Celsius)
++ExtendCabinet2HDDNum	integer	body	true	Expansion cabinet -2 Number of storage disks
++ExtendCabinet2HDDList	object[]	body	false	Extension Cabinet -2 Information list This byte point is optional when ExtendCabinet2HDDNum is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)

Parameter names	Parameter type	Parameter location	Required	Description
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	true	Formatting progress This field is required when Status is 2
+++GroupID	integer	body	true	Disk group serial number
+++Temperature	integer	body	true	Hard drive temperature (Celsius)
++NASNum	integer	body	true	Number of NAS
++NASList	object[]	body	false	NAS information list Byte point optional when NASNum value is 0
+++ID	integer	body	true	Storage container number
+++RemainCapacity	integer	body	true	Remaining storage disk capacity (MB)
+++TotalCapacity	integer	body	true	Total disk capacity (MB)
+++Status	integer	body	true	Storage disk status 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties 0: Read and write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Progress, percentage This field is required when the Status value is 2

Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 100]
+++IPAddress	string	body	false	Server IP address This parameter is mandatory when the storage type is NAS String length range: [0, 64]
+++Path	string	body	false	Server storage path String length range: [1, 256]
+++UsageType	integer	body	true	Uses 0: Video/capture 1: Backup
+++GroupID	string	body	true	Disk group serial number Default: 1
+++ProtocolType	integer	body	true	Type of protocol 0: indicates NFS 1: CIFS/SMB protocol
++eSATANum	integer	body	true	Number of eSATA hard drives
++eSATAList	object[]	body	false	eSATA information list This byte point is optional when the eSATANum value is 0
+++ID	integer	body	true	Storage container number
+++RemainCapacity	integer	body	true	Remaining storage disk capacity (MB)
+++TotalCapacity	integer	body	true	Total storage disk capacity (MB)
+++Status	integer	body	true	Storage disk status 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties 0: Read and write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Progress, percentage This field is required when the Status value is 2 Value range: [0, 100]
+++IPAddress	string	body	true	Server IP address This parameter is mandatory when the storage type is NAS String length range: [0, 64]

Parameter names	Parameter type	Parameter location	Required	Description
+++Path	string	body	true	NAS server storage path String length range: [1, 256]
+++UsageType	integer	body	true	Uses 0: Video/capture 1: Backup
+++GroupID	string	body	true	Disk group serial number Default: 1

6.6.1.1.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Storage/Containers/DetailInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "LocalHDDNum": 1,
      "LocalHDDList": [
        {
          "ID": 1,
          "RemainCapacity": 1907730,
          "TotalCapacity": 1907730,
          "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
          "Status": 1,
          "Property": 0,
          "FormatProgress": 0,
          "GroupID": 1,
          "Temperature": 44
        }
      ],
      "SDNum": 1,
      "SDList": [
        {
          "ID": 1,
          "RemainCapacity": 1907730,
          "TotalCapacity": 1907730,
          "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
          "Status": 1,
          "Property": 0,
          "FormatProgress": 0,
          "GroupID": 1,
          "Temperature": 44
        }
      ],
      "ArrayNum": 1,
      "ArrayList": [
        {
          "ID": 1,
          "RemainCapacity": 1907730,
          "TotalCapacity": 1907730,
          "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
          "Status": 1,
          "Property": 0,
          "FormatProgress": 0,
```

```
        "GroupID": 1
      }
    ],
    "ExtendCabinet1HDDNum": 1,
    "ExtendCabinet1HDDList": [
      {
        "ID": 1,
        "RemainCapacity": 1907730,
        "TotalCapacity": 1907730,
        "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
        "Status": 1,
        "Property": 0,
        "FormatProgress": 0,
        "GroupID": 1,
        "Temperature": 44
      }
    ],
    "ExtendCabinet2HDDNum": 1,
    "ExtendCabinet2HDDList": [
      {
        "ID": 1,
        "RemainCapacity": 1907730,
        "TotalCapacity": 1907730,
        "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
        "Status": 1,
        "Property": 0,
        "FormatProgress": 0,
        "GroupID": 1,
        "Temperature": 44
      }
    ],
    "NASNum": 1,
    "NASList": [
      {
        "ID": 1,
        "RemainCapacity": 1907730,
        "TotalCapacity": 1907730,
        "Status": 3,
        "Property": 0,
        "FormatProgress": 20,
        "IPAddress": "192.168.100.30",
        "Path": "/volume2/123456",
        "UsageType": 0,
        "GroupID": "1",
        "ProtocolType": 0
      }
    ],
    "eSATANum": 1,
    "eSATAList": [
      {
        "ID": 1,
        "RemainCapacity": 1907730,
        "TotalCapacity": 1907730,
        "Status": 3,
        "Property": 0,
        "FormatProgress": 20,
        "IPAddress": "192.168.100.30",
        "Path": "/volume2/123456",
        "UsageType": 0,
        "GroupID": "1"
      }
    ]
```

```
    }
  }
}
```

6.6.2 Planning

6.6.2.1 Get the Recording Plan for the Specified Video Input Channel

6.6.2.1.1 Overview

Names	Description
Interface Description	Get the recording plan for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record
Interface request method	GET
How data is submitted	application/json

6.6.2.1.2 URL Description

None

6.6.2.1.3 Request Parameters

None

6.6.2.1.4 Example of Request Parameters

None

6.6.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Enabled	integer	body	true	Plan to enable 0: Disable 1: enabled

Parameter names	Parameter type	Parameter location	Required	Description
++IsRedundantStorage	integer	body	true	Redundant video recording enabled During configuration, if the device does not have the redundancy capability, this node is not enabled 0: The node is disabled 1: indicates that the video recording is enabled. In this case, one more copy of the video recording is stored on the redundant hard drive
++IsAudioStorage	integer	body	false	Audio storage enabled If this field is not displayed in the response to the query interface, the device does not support audio storage. If this field is not displayed in the Set s interface request, the audio storage enable remains unchanged 0: Disable 1: indicates that the video stores audio
++RecordRule	object	body	true	Video planning Rules
+++PreRecordTime	integer	body	true	Pre-recording time before police The unit is seconds and the range is 0,5,10,20,30,60 0:0s 5:5s 10:10s 20:20s 30:30 s 60:60s
+++PostRecordTime	integer	body	true	Post police video time In seconds, range: 5,10,30,60,120,300,600 5:5s 10:10 s 30:30 s 60:60s 120:120s 300:300s 600:600s
++WeekPlan	object	body	false	Plan a schedule
+++Enabled	integer	body	true	Whether the monitor plan is enabled 0: disables 1: enabled
+++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
+++Days	object[]	body	true	List of Monitor plans for each day of the week
++++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++++Num	integer	body	true	Number of time slots per day

Parameter names	Parameter type	Parameter location	Required	Description
				The maximum number of NVRS is 8
++++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
+++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++++End	string	body	true	End time The format is hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.6.2.1.6 Example of Returning parameters


```
{
"Response": {
  "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record",
  "ResponseCode": 0,
  "ResponseString": "Succeed",
  "StatusCode": 0,
  "Data": {
    "Enabled": 1,
    "IsRedundantStorage": 1,
    "IsAudioStorage": 0,
    "RecordRule": {
      "PreRecordTime": 10,
      "PostRecordTime": 10
    },
    "WeekPlan": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00：00：00",
              "End": "24：00：00",
              "ArmingType": 5
            }
          ]
        }
```

```
        ]
      }
    }
  }
}
```

6.6.2.2 Set the Recording Plan for the Specified Video Input Channel

6.6.2.2.1 Overview

Names	Description
Interface Description	Set the recording schedule for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record
Interface request method	PUT
Data submission method	application/json

6.6.2.2.2 URL Description

None

6.6.2.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Plan to enable 0: disables 1: enabled
IsRedundantStorage	integer	body	true	Redundant video recording enabled During configuration, if the device does not have the redundancy capability, this node is not enabled 0: The node is disabled 1: indicates that the video recording is enabled. In this case, one more copy of the video recording is stored on the redundant hard drive
IsAudioStorage	integer	body	false	Audio storage enabled If this field is not displayed in the response to the query interface, the device does not support audio storage. If this field is not displayed in the Set s interface request, the audio storage enable remains unchanged 0: disables 1: indicates that the video stores audio
RecordRule	object	body	true	Video planning Rules
+PreRecordTime	integer	body	true	Pre-recording time before police The unit is seconds and the range is 0,5,10,20,30,60 0:0s

Parameter Name	Parameter type	Parameter location	Required	Description
				5:5s 10:10s 20:20 s 30:30 s 60:60s
+PostRecordTime	integer	body	true	Post police video time In seconds, range: 5,10,30,60,120,300,600 5:5s 10:10s 30:30 s 60:60s 120:120s 300:300s 600:600s
WeekPlan	object	body	false	Plan a schedule
+Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
+Num	integer	body	true	Planned days NVR fixed at 8 (7 days a week + holidays)
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide When time range Num is 0, this field is optional
+++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police

Parameter Name	Parameter type	Parameter location	Required	Description
				3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.6.2.2.4 Example of Request Parameters

```
{
   "Enabled": 1,
   "IsRedundantStorage": 1,
   "IsAudioStorage": 0,
   "RecordRule": {
      "PreRecordTime": 10,
      "PostRecordTime": 10
   },
   "WeekPlan": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
         {
            "ID": 1,
            "Num": 8,
            "TimeSectionInfos": [
               {
                  "Begin": "00：00：00",
                  "End": "24：00：00",
                  "ArmingType": 5
               }
            ]
         }
      ]
   }
}
```

6.6.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.6.2.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.6.2.3 Get the Capture Plan for the Specified Video Input Channel

6.6.2.3.1 Overview

Names	Description
Interface Description	Get the capture plan for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Picture
Interface request method	GET
How data is submitted	application/json

6.6.2.3.2 URL Description

None

6.6.2.3.3 Request Parameters

None

6.6.2.3.4 Example of Request Parameters

None

6.6.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter names	Parameter type	Parameter location	Required	Description
++Enabled	integer	body	true	Plan to enable 0: Disable 1: enabled
++IsRedundantStorage	integer	body	false	Enable redundant capture The device does not have the redundancy capability and does not have this node 0: The node is disabled 1: indicates that the capture image is enabled. In this case, one more copy of the capture image is stored on the redundant hard drive
++WeekPlan	object	body	true	Schedule schedule
+++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
+++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
+++Days	object[]	body	true	List of Monitor plans for each day of the week
++++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
++++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
+++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++++ArmingType	integer	body	true	Type of defense Alarms can be deployed only on a scheduled basis Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.6.2.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Picture",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "IsRedundantStorage": 1,
      "WeekPlan": {
        "Enabled": 1,
        "Num": 7,
        "Days": [
          {
            "ID": 1,
            "Num": 8,
            "TimeSectionInfos": [
              {
                "Begin": "00：00：00",
                "End": "24：00：00",
                "ArmingType": 5
              }
            ]
          }
        ]
      }
    }
  }
}
```


6.6.2.4 Set the Capture Plan for the Specified Video Input Channel

6.6.2.4.1 Overview

Names	Description
Interface Description	Set the capture plan for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Picture
Interface request method	PUT
Data submission method	application/json

6.6.2.4.2 URL Description

None

6.6.2.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Plan to enable 0: disables 1: enabled
IsRedundantStorage	integer	body	false	Enable redundant capture The device does not have the redundancy capability and does not have this node 0: The node is disabled 1: indicates that the capture image is enabled. In this case, one more copy of the capture image is stored on the redundant hard drive
WeekPlan	object	body	true	Plan a time list
+Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
+Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
+++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
+++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported The default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.6.2.4.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "IsRedundantStorage": 1,
  "WeekPlan": {
    "Enabled": 1,
    "Num": 7,
    "Days": [
      {
        "ID": 1,
        "Num": 8,
        "TimeSectionInfos": [
          {
            "Begin": "00：00：00",
            "End": "24：00：00",
            "ArmingType": 5
          }
        ]
      }
    ]
  }
}
```

6.6.2.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.6.2.4.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Picture",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.6.3 Abilities

6.6.3.1 Query Device Storage Capability Set

6.6.3.1.1 Overview

Names	Description
Interface description	Query Device Storage Capability Set
Interface version	V1.0
Interface address	/LAPI/V1.0/Storage/Capabilities
Interface request method	GET
How data is submitted	application/json

6.6.3.1.2 URL Description

None

6.6.3.1.3 Request Parameters

None

6.6.3.1.4 Example of Request Parameters

None

6.6.3.1.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportRedundancy	integer	body	true	Whether redundancy is supported 0: No 1: Supported
++IsSupporteSATA	integer	body	true	Whether eSATA is supported or not 0: No 1: Support

6.6.3.1.6 Examples of Returning parameters

```
{
```

```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Storage/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportRedundancy": 1,
      "IsSupporteSATA": 1
    }
  }
}
```


6.7 Media

6.7.1 Abilities

6.7.1.1 Query the Video Capability of a Specified Video Input Channel

6.7.1.1.1 Overview

Names	Description
Interface Description	Query the video capability of the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Capabilities
Interface request method	GET
How data is submitted	application/json

6.7.1.1.2 URL Description

None

6.7.1.1.3 Request Parameters

None

6.7.1.1.4 Example of Request Parameters

None

6.7.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportCfg	integer	body	true	Whether configuration is supported 0: Not supported 1: Supported
++IsSupportSmoothLevel	integer	body	true	Whether stream smoothing is supported 0: No 1: Supported
++IsSupportImageFormat	integer	body	true	Whether the image format is configurable 0: Not supported 1: Supported
++IsSupportScrambled	integer	body	true	Whether stream scrambling is supported 0: No 1: Supported
++EncodeFormatNum	integer	body	true	Number of supported video encoding formats
++EncodeFormatList	integer[]	body	false	Supported video encoding formats 0: MJPEG 1: H.264 2: H.265
++MinIFrameInterval	integer	body	true	Minimum supported I-frame interval
++MaxIFrameInterval	integer	body	true	Maximum supported I-frame interval
++EncodeCapability	integer	body	true	Channel H264 encoding capability Under this channel, the total coding capacity of all streams must not exceed the coding capacity of this channel The encoding capacity occupied by each stream is calculated as INT(wide +15)/16 * INT(high +15)/16 * frame rate. Take the main stream 1280*720@30, the secondary stream 720*576@30, and the third stream 352*288@30 as an example: (INT(1280+15)/16 * INT(720+15)/16 * 30) + (INT(720+15)/16 * INT(576+15)/16 * 30) + (INT(352+15)/16 * INT(288+15)/16 * 30) = 168480 INT() means round
++StreamCapabilityNum	integer	body	true	Number of supported streams
++StreamCapabilityList	object[]	body	false	List of supported streaming capabilities
+++ID	integer	body	true	Stream index Value range: [0, 2] 0: indicates the primary stream 1: secondary stream 2: Third stream

Parameter names	Parameter type	Parameter location	Required	Description
+++ResolutionNum	integer	body	true	Number of supported resolutions
+++ResolutionCapabilityList	object[]	body	true	Resolution specific information
++++Width	integer	body	true	Image width
++++Height	integer	body	true	Image height
++++MinBitRate	integer	body	true	Minimum bit rate
++++MaxBitRate	integer	body	true	Maximum bit rate
++++DefaultBitRate	integer	body	false	Default bitrate
+++MaxFrameRate	integer	body	false	Maximum frame rate of the current stream
+++FrameRateNum	integer	body	true	Number of frame rates supported
+++FrameRateList	integer[]	body	true	Array of supported frame rates
+++SmartEncode	object	body	true	Image extended encoding mode
++++H264SmartEncodeModeNum	integer	body	true	Number of H.264 image intelligent encoding modes supported
++++H264SmartEncodeModeList	integer[]	body	true	H264 Image Extended encoding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)
++++H265SmartEncodeModeNum	integer	body	true	Number of H.265 image intelligent encoding modes supported
++++H265SmartEncodeModeList	integer[]	body	true	H265 Image Extended encoding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)
++VideoModeNum	integer	body	true	Number of supported video formats
++VideoModeInfoList	object[]	body	false	List of video format abilities
+++Resolution	object	body	true	Resolution node
++++Width	integer	body	true	Image width
++++Height	integer	body	true	Image height
+++FrameRate	integer	body	true	Maximum image frame rate supported under this standard
++GOPTypeNum	integer	body	true	Number of GOP types supported

6.7.1.1.6 Return Parameter Examples

```
{
```

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportCfg": 1,
      "IsSupportSmoothLevel": 0,
      "IsSupportImageFormat": 0,
      "IsSupportScrambled": 0,
      "EncodeFormatNum": 0,
      "EncodeFormatList": [
        0
      ],
      "MinIFrameInterval": 5,
      "MaxIFrameInterval": 250,
      "EncodeCapability": 168480,
      "StreamCapabilityNum": 0,
      "StreamCapabilityList": [
        {
          "ID": 0,
          "ResolutionNum": 1,
          "ResolutionCapabilityList": [
            {
              "Width": 0,
              "Height": 1,
              "MinBitRate": 128,
              "MaxBitRate": 16384,
              "DefaultBitRate": 2048
            }
          ],
          "MaxFrameRate": 25,
          "FrameRateNum": 3,
          "FrameRateList": [
            0
          ],
          "SmartEncode": {
            "H264SmartEncodeModeNum": 0,
            "H264SmartEncodeModeList": [
              0
            ],
            "H265SmartEncodeModeNum": 2,
            "H265SmartEncodeModeList": [
              0
            ]
          }
        }
      ],
      "VideoModeNum": 0,
      "VideoModeInfoList": [
        {
          "Resolution": {
            "Width": 1920,
            "Height": 1080
          },
          "FrameRate": 25
        }
      ],
      "GOPTypeNum": 0
    }
  }
}
```


guest41121A 2024/11/21 09:40:03

6.7.1.2 Query the Audio Capability of a Specified Video Input Channel

6.7.1.2.1 Overview

Names	Description
Interface Description	Query the audio capability of the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Audio/Capabilities
Interface request method	GET
How data is submitted	application/json

6.7.1.2.2 URL Description

None

6.7.1.2.3 Request Parameters

None

6.7.1.2.4 Example of Request Parameters

None

6.7.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++AudioInNum	integer	body	true	Number of supported audio port inputs
++AudioInModeInfoList	object[]	body	true	List of audio port input modes
+++Channel	integer	body	true	Audio channel number
+++ModeNum	integer	body	true	Number of audio modes
+++ModeList	integer[]	body	true	Supported audio input channel mode, ModeNum is optional if the value is 0 0: LINE

Parameter names	Parameter type	Parameter position	Required	Description
				1: MIC 2: RS485 digital pickup
++AudioInEncodeFormatNum	integer	body	true	Number of supported audio input encoding formats
++AudioInEncodeFormatInfoList	object[]	body	false	List of supported audio input encoding formats
+++Type	integer	body	true	Audio encoding format type Value range: [0, 6] 0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC 7: PCM 8: G726 9: MP2L2 10: G7221 11: MP3
+++Num	integer	body	true	Number of supported sample rates
+++SampleList	integer[]	body	true	List of sampling rates 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ 7:96KHZ
++SerialInNum	integer	body	true	Number of supported serial port inputs for external digital pickups
++SerialInModeInfoList	object[]	body	false	Serial input mode list
+++Channel	integer	body	true	Audio channel number
+++ModeNum	integer	body	true	Number of audio modes
+++ModeList	integer[]	body	true	Supported audio input channel mode, ModeNum is optional if the value is 0 0: LINE 1: MIC 2: RS485 digital pickup
++SerialInEncodeFormatNum	integer	body	true	Number of supported serial port inputs
++SerialInEncodeFormatInfoList	object[]	body	true	Serial port Enter a list of supported encoding formats
+++Type	integer	body	true	Audio encoding format type Value range: [0, 6]

Parameter names	Parameter type	Parameter position	Required	Description
				0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC 7: PCM 8: G726 9: MP2L2 10: G7221 11: MP3
+++Num	integer	body	true	Number of supported sample rates
+++SampleList	integer[]	body	true	List of sampling rates 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ 7:96KHZ
++AudioOutTypeNum	integer	body	true	Number of supported audio output device types If the value of this field is 0, the audio output parameters are not supported
++AudioOutTypeInfoList	integer[]	body	false	Audio output device type 0: LINE 1: MIC 2: RS485 digital pickup 3: SpeaKer 4: RCA Lotus Interface
++SupportAudioOutGain	integer	body	true	Whether the device supports audio gain configurable If this field is not carried, the capability is not supported 0: Not supported 1: Supported
++SupportAlarmAudioOutGain	integer	body	true	Whether the device supports the alarm output gain can be configured Device support is carried (support the field that audio output gain can be configured separately) 0: Not supported 1: Supported

6.7.1.2.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Audio/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
```

```
        "AudioInNum": 1,
        "AudioInModeInfoList": [
          {
            "Channel": 1,
            "ModeNum": 1,
            "ModeList": [
              0
            ]
          }
        ],
        "AudioInEncodeFormatNum": 1,
        "AudioInEncodeFormatInfoList": [
          {
            "Type": 2,
            "Num": 1,
            "SampleList": [
              0
            ]
          }
        ],
        "SerialInNum": 1,
        "SerialInModeInfoList": [
          {
            "Channel": 1,
            "ModeNum": 1,
            "ModeList": [
              0
            ]
          }
        ],
        "SerialInEncodeFormatNum": 1,
        "SerialInEncodeFormatInfoList": [
          {
            "Type": 2,
            "Num": 1,
            "SampleList": [
              0
            ]
          }
        ],
        "AudioOutTypeNum": 1,
        "AudioOutTypeInfoList": [
          0
        ],
        "SupportAudioOutGain": 1,
        "SupportAlarmAudioOutGain": 1
      }
    }
}
```


6.7.2 Video

6.7.2.1 Query Information About All Video Streams in a Specified Video Input Channel

6.7.2.1.1 Overview

Names	Description
Interface description	Query information about all video streams in the specified video input channel

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos
Interface request method	GET
How data is submitted	application/json

6.7.2.1.2 URL Description

None

6.7.2.1.3 Request Parameters

None

6.7.2.1.4 Example of Request Parameters

None

6.7.2.1.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of video streams
++VideoStreamInfos	object[]	body	false	List of video stream information This object is optional when Num is 0
+++ID	integer	body	true	Video stream index number 0: primary stream 1: secondary stream 2: Third stream
+++MainStreamType	integer	body	false	Primary stream type 0: timed primary stream 1: event main stream
+++Enabled	integer	body	true	Whether encoding is enabled for the video stream 0: Disable 1: Enabled

Parameter names	Parameter type	Parameter location	Required	Description
+++VideoEncodeInfo	object	body	true	Video encoding parameter information
++++EncodeFormat	integer	body	true	Video encoding format information 0: MJPEG 1: H.264 2: H.265
++++Resolution	object	body	true	Resolution
+++++Width	integer	body	true	Image width
+++++Height	integer	body	true	Image height
++++BitRate	integer	body	true	Bit Rate
++++BitRateType	integer	body	true	Rate type 0: CBR 1: VBR
++++FrameRate	integer	body	true	Frame rate
++++IFrameInterval	integer	body	true	I-frame spacing Range based on ability
++++ImageQuality	integer	body	true	Image quality Range: [1, 9], with 9 representing the highest image quality BitrateType must be VBR for this field to be valid, otherwise not valid
++++SmoothLevel	integer	body	true	Stream smoothing rating Range: [1, 9], with 1 representing the lowest level of smoothness
++++SmartEncodeMode	integer	body	true	Smart coding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)

6.7.2.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "VideoStreamInfos": [
        {
          "ID": 0,
          "MainStreamType": 0,
          "Enabled": 1,
          "VideoEncodeInfo": {
            "EncodeFormat": 2,
            "Resolution": {
              "Width": 1920,
```

```
                "Height": 1080
                },
                "BitRate": 4096,
                "BitRateType": 0,
                "FrameRate": 25,
                "IFrameInterval": 50,
                "ImageQuality": 9,
                "SmoothLevel": 5,
                "SmartEncodeMode": 2
            }
        }
    ]
  }
}
}
```


6.7.2.2 Set the Information for All Video Streams in the Specified Video Input Channel

6.7.2.2.1 Overview

Names	Description
Interface Description	Set the information for all video streams of the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos
Interface request method	PUT
Data submission method	application/json

6.7.2.2.2 URL Description

None

6.7.2.2.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Number of video streams
VideoStreamInfos	object[]	body	true	List of video stream information
+ID	integer	body	true	Video stream index number 0: primary stream 1: secondary stream 2: Third stream
+MainStreamType	integer	body	false	Primary stream type 0: timed primary stream 1: event main stream
+Enabled	integer	body	true	Whether to enable encoding for video streams 0: Disable

Parameter Names	Parameter type	Parameter position	Required	Description
				1: Enabled
+VideoEncodeInfo	object	body	true	Video encoding parameter information
++EncodeFormat	integer	body	true	Video encoding format information 0: MJPEG 1: H.264 2: H.265
++Resolution	object	body	true	Resolution
+++Width	integer	body	true	Image width
+++Height	integer	body	true	Image height
++BitRate	integer	body	true	Bit Rate
++BitRateType	integer	body	true	Rate type 0: CBR 1: VBR
++FrameRate	integer	body	true	Frame Rate
++IFrameInterval	integer	body	true	I-frame spacing Range based on ability
++ImageQuality	integer	body	true	Image quality Range: [1, 9], with 9 representing the highest image quality BitrateType must be VBR for this field to be valid, otherwise not valid
++SmoothLevel	integer	body	true	Stream smoothing rating Range: [1, 9], with 1 representing the lowest level of smoothness
++SmartEncodeMode	integer	body	true	Smart coding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)

6.7.2.2.4 Example of Request Parameters

```
{
   "Num": 1,
   "VideoStreamInfos": [
      {
         "ID": 0,
         "MainStreamType": 0,
         "Enabled": 1,
         "VideoEncodeInfo": {
            "EncodeFormat": 2,
            "Resolution": {
               "Width": 1920,
               "Height": 1080
            },
            "BitRate": 4096,
            "BitRateType": 0,
```

```
            "FrameRate": 25,
            "IFrameInterval": 50,
            "ImageQuality": 9,
            "SmoothLevel": 5,
            "SmartEncodeMode": 2
        }
    }
  ]
}
```


6.7.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.2.2.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.7.2.3 Query the Image Collection System

6.7.2.3.1 Overview

Names	Description
Interface Description	Query image capture system
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Mode
Interface request method	GET
How data is submitted	application/json

6.7.2.3.2 URL Description

None

6.7.2.3.3 Request Parameters

None

6.7.2.3.4 Example of Request Parameters

None

6.7.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Resolution	object	body	true	Resolution node
+++Width	integer	body	true	Image width
+++Height	integer	body	true	Image height
++FrameRate	integer	body	true	Maximum image frame rate supported under this standard

6.7.2.3.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Mode".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Resolution": {
            "Width": 1920,
            "Height": 1080
         },
         "FrameRate": 25
      }
   }
}
```

6.7.2.4 Set the Image Capture Standard

6.7.2.4.1 Overview

Names	Description
Interface Description	Set the image capture system
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Mode
Interface request method	PUT
Data submission method	application/json

6.7.2.4.2 URL Description

None

6.7.2.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Resolution	object	body	true	Resolution node
+Width	integer	body	true	Image width
+Height	integer	body	true	Image height
FrameRate	integer	body	true	Maximum image frame rate supported under this standard

6.7.2.4.4 Example of Request Parameters

```
{
   "Resolution": {
      "Width": 1920,
      "Height": 1080
   },
   "FrameRate": 25
}
```

6.7.2.4.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter position	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.2.4.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Mode",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.7.3 Audio

6.7.3.1 Query the Audio Input Parameter

6.7.3.1.1 Overview

Names	Description
Interface Description	Query the Audio Input Parameter
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Audio/Input
Interface request method	GET
How data is submitted	application/json

6.7.3.1.2 URL Description

None

6.7.3.1.3 Request Parameters

None

6.7.3.1.4 Example of Request Parameters

None

6.7.3.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsMute	integer	body	true	Mute or not 0: Unmuted 1: Silent
++Type	integer	body	true	Capture port type 0: Audio input port 1: serial port
++EncodeFormat	integer	body	true	Audio encoding format 0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC
++SampleRate	integer	body	true	Audio sampling rate 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ 7:96KHZ
++InputGain	integer	body	true	Audio gain Range: [0, 255]
++NoiseReduction	object	body	true	Noise reduction information
+++Enabled	integer	body	true	Whether noise cancellation is enabled 0: Disabled 1: Enabled
+++Mode	integer	body	true	Reserved fields
+++Strength	integer	body	true	Reserved fields
++AudioInputNum	integer	body	true	Number of audio inputs
++AudioInputList	object[]	body	true	Audio input capture information
+++ID	integer	body	true	Audio channel number Channel number starts at 1

Parameter name	Parameter type	Parameter location	Required	Description
+++Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+++Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup
++SerialInputNum	integer	body	true	Serial port input quantity
++SerialIInputList	object[]	body	true	Serial port audio capture information
+++ID	integer	body	true	Audio channel number Channel number starts at 1
+++Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+++Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup

6.7.3.1.6 Example of Returning parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Audio/Input",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsMute": 0,
      "Type": 0,
      "EncodeFormat": 2,
      "SampleRate": 0,
      "InputGain": 128,
      "NoiseReduction": {
        "Enabled": 0,
        "Mode": 0,
        "Strength": 0
      },
      "AudioInputNum": 1,
      "AudioInputList": [
        {
          "ID": 1,
          "Enabled": 1,
          "Mode": 0
        }
      ],
      "SerialInputNum": 1,
      "SerialIInputList": [
        {
          "ID": 1,
          "Enabled": 1,
```

```
            "Mode": 0
          }
        ]
      }
    }
}
```

6.7.3.2 Set the Audio Input Parameter

6.7.3.2.1 Overview

Names	Description
Interface Description	Set audio input parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Audio/Input
Interface request method	PUT
Data submission method	application/json

6.7.3.2.2 URL Description

None

6.7.3.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
IsMute	integer	body	true	Mute or not 0: Unmuted 1: Silent
Type	integer	body	true	Capture port type 0: Audio input port 1: serial port
EncodeFormat	integer	body	true	Audio coding format 0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC
SampleRate	integer	body	true	Audio sampling rate 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ

Parameter Names	Parameter type	Parameter location	Required	Description
				6:48 KHZ 7:96KHZ
InputGain	integer	body	true	Audio gain Range: [0, 255]
NoiseReduction	object	body	true	Noise reduction information
+Enabled	integer	body	true	Whether noise cancellation is enabled 0: Disabled 1: Enabled
+Mode	integer	body	false	Reserve fields
+Strength	integer	body	false	Reserved field
AudioInputNum	integer	body	true	Number of audio inputs
AudioInputList	object[]	body	true	Audio input capture information
+ID	integer	body	true	Audio channel number The channel number starts from 1
+Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup
SerialInputNum	integer	body	true	Serial port input quantity
SerialInputList	object[]	body	true	Serial port audio capture information
+ID	integer	body	true	Audio channel number Channel number starts at 1
+Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup

6.7.3.2.4 Example of Request Parameters

```
{
  "IsMute": 0,
  "Type": 0,
  "EncodeFormat": 2,
  "SampleRate": 0,
  "InputGain": 128,
  "NoiseReduction": {
```

```
      "Enabled": 0,
      "Mode": 0,
      "Strength": 0
    },
    "AudioInputNum": 1,
    "AudioInputList": [
      {
        "ID": 1,
        "Enabled": 1,
        "Mode": 0
      }
    ],
    "SerialInputNum": 1,
    "SerialIInputList": [
      {
        "ID": 1,
        "Enabled": 1,
        "Mode": 0
      }
    ]
}
```


6.7.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.3.2.6 Examples of Return Parameters


```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Audio/Input",
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {}
    }
}
```


6.7.3.3 Get the Audio Output Parameter

6.7.3.3.1 Overview

Names	Description
Interface Description	Get audio output parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Audio/Output
Interface request method	GET
How data is submitted	application/json

6.7.3.3.2 URL Description

None

6.7.3.3.3 Request Parameters

None

6.7.3.3.4 Example of Request Parameters

None

6.7.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Type	integer	body	true	Audio output device type 0: LINE 1: MIC 2: RS485 digital pickup 3: SpeaKer 4: RCA Lotus Interface
++Gain	integer	body	true	Audio output gain Value range: [0, 255]
++AlarmGain	integer	body	true	Audio alert output gain Value range: [0, 255]

6.7.3.3.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Audio/Output",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Type": 0,
         "Gain": 242,
         "AlarmGain": 255
      }
   }
}
```


6.7.3.4 Set the Audio Output Parameter

6.7.3.4.1 Overview

Names	Description
Interface Description	Set audio output parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Audio/Output
Interface request method	PUT
Data submission method	application/json

6.7.3.4.2 URL Description

None

6.7.3.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Type	integer	body	true	Audio output device type 0: LINE 1: MIC 2: RS485 digital pickup 3: SpeaKer 4: RCA Lotus Interface
Gain	integer	body	true	Audio output gain Value range: [0, 255]
AlarmGain	integer	body	true	Audio alert output gain Value range: [0, 255]

6.7.3.4.4 Example of Request Parameters


```
{
```

```
    "Type": 0,
    "Gain": 242,
    "AlarmGain": 255
}
```

6.7.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.3.4.6 Examples of Return Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Audio/Output",
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {}
    }
}
```

6.7.4 Live

6.7.4.1 Getting the Live URL of a Video Stream in the Specified Video Channel

6.7.4.1.1 Overview

Names	Description
Interface Description	Get the live URL of a video stream for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/LiveStreamURL
Interface request method	GET
Data submission method	application/json

6.7.4.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Channels/<ID>	integer	true	0	Channel index number, numbered from 0
Streams/<ID>	integer	true	1	Video stream index number, numbered from 0

6.7.4.1.3 Request Parameters

None

6.7.4.1.4 Example of Request Parameters

None

6.7.4.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++URL	string	body	true	The live stream URL corresponding to the specified video stream

6.7.4.1.6 Example of Returning parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/LiveStreamURL",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "URL": "RTSP://192.168.0.13:554/media/video1"
      }
   }
}
```

6.7.5 Voice Intercom

6.7.5.1 Get the Audio URL of the Voice Intercom for the Specified Video Channel

6.7.5.1.1 Overview

Names	Description
Interface Description	After Get the URL, the caller obtains the audio stream related to the voice intercom through the RTSP protocol
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Talk
Interface request method	GET
How data is submitted	application/json

6.7.5.1.2 URL Description

None

6.7.5.1.3 Request Parameters

None

6.7.5.1.4 Example of Request Parameters

None

6.7.5.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++URL	string	body	true	Specify the live stream URL to which the audio stream corresponds

6.7.5.1.6 Example of Returning parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Talk",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "URL": "RTSP://192.160.1.22:554/media/video1"
      }
```

```
  }
}
```

6.7.6 OSD

6.7.6.1 Query the OSD Configuration Capability of a Channel

6.7.6.1.1 Overview

Names	Description
Interface Description	Query the OSD Configuration Capability of a Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/Capabilities
Interface request method	GET
How data is submitted	application/json

6.7.6.1.2 URL Description

None

6.7.6.1.3 Request Parameters

None

6.7.6.1.4 Example of Request Parameters

None

6.7.6.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportCfg	integer	body	true	Whether configuration is supported 0: Not supported 1: Supported

Parameter Names	Parameter type	Parameter location	Required	Description
++SupportedOSDContentTypeNum	integer	body	true	Number of supported OSD content types
++SupportedOSDContentTypeList	integer[]	body	true	Supported configured OSD content types 0: Not used 1: User-defined 2: Date and time 3: PTZ controller 4: PTZ coordinates 5: Cruise information 6: Zooming information 7: Preset information 8: alarm information 9: coded message 10: serial OSD 11: PTZ azimuth information 12: channel name 13: Debug OSD 14: counts the OSD 15: OSD by network port 16: Time 17: Date 18: ESP OSD 19: Battery OSD 20: Rolling subtitle OSD 21: LOGO OSD 22: Skynet bayonet motor vehicle flow 23: Tiannet bayonet non-motor vehicle flow 24: pedestrian flow at Tiannet bayonet 25: Number of INFOOSD types
++IsSupportFontSizeCfg	integer	body	true	Whether the OSD size configuration is supported 0: No 1: Supported
++IsSupportFontColorCfg	integer	body	true	Whether OSD color configuration is supported 0: No 1: Supported
++MaxAreaNum	integer	body	true	The maximum number of OSD regions supported
++MaxOSDNum	integer	body	true	Supports a maximum number of OSD nodes
++MaxPerAreaOSDNum	integer	body	true	Each zone supports a maximum number of OSD nodes
++SupportedTimeFormatNum	integer	body	true	Number of supported time OSD formats
++SupportedTimeFormatList	integer[]	body	true	Time OSD format 0: HH:mm:ss(common in China, United States, United Kingdom, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: hh:mm:ss(common in Chinese (Taiwan))

Parameter Names	Parameter type	Parameter location	Required	Description
++SupportedDateFormatNum	integer	body	true	Number of supported date OSD formats
++SupportedDateFormatList	integer[]	body	true	Date OSD format MMMM abbreviation of English word for month, such as June; dddd stands for week 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 256: dd/MM/yyyy 257: MM/dd/yyyy 258: dd MMMM, yyyy 259: MMMM dd, yyyy 260: dddd, dd MMMM, yyyy 261: dddd, MMMM dd, yyyy 262: yyyy/MM/dd 263: yyyy, MMMM dd 264: dddd, yy, MM dd

6.7.6.1.6 Example of Returning parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportCfg": 0,
      "SupportedOSDContentTypeNum": 1,
      "SupportedOSDContentTypeList": [
        0
      ],
      "IsSupportFontSizeCfg": 0,
      "IsSupportFontColorCfg": 0,
      "MaxAreaNum": 8,
      "MaxOSDNum": 8,
      "MaxPerAreaOSDNum": 8,
      "SupportedTimeFormatNum": 1,
      "SupportedTimeFormatList": [
        0
      ],
      "SupportedDateFormatNum": 1,
      "SupportedDateFormatList": [
        0
      ]
    }
  }
}
```


6.7.6.2 Query the OSD Content Style for a Specified Channel

6.7.6.2.1 Overview

Names	Description
Interface description	Query the OSD content style of a specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle
Interface request method	GET
How data is submitted	application/json

6.7.6.2.2 URL Description

None

6.7.6.2.3 Request Parameters

None

6.7.6.2.4 Example of Request Parameters

None

6.7.6.2.5 Returning Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++FontSize	integer	body	true	Font size 0: Extra large 1: Large 2: Medium 3: Small
++Color	integer	body	true	colour An RGB color is calculated by combining the relative brightness of the three primary colors of red, green, and blue, and the value range of each primary color is 0-255. Calculation formula: (65536*Red + 256*Green + Blue). To issue color #665432, To issue 65536 * 102(66 for base 10) + 256 * 84(54 for base 10) + 50(32 for base 10) = 6706226 (which is actually the base 10 of #665432) To issue RGB(102, 84, 50), Then send 65536 * 102 + 256 * 84 + 50 = 6706226

Parameter Names	Parameter type	Parameter location	Required	Description
++DateFormat	integer	body	true	Date format 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 6: dd-MM-yyyy 100: DD/MM/YYY English 101: MM/DD/YYY American style 102: DD MM YYY Example: English 28 March, 2014 Example 103: DD MM YYY: American style March 28, 2014 104: XX DD MM YYY Example: British Thursday, 28 March, 2014 105: XX DD MM YYY Example: American Thursday, March 28, 2014 106: YYY/MM/DD 107: YYY MM DD Example: March 28, 2014 108: XX YYY MM DD example: Thursday, 2014 March 28
++TimeFormat	integer	body	true	Time format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: PM hh:mm:ss(common in Chinese (Taiwan))

6.7.6.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "FontSize": 1,
         "Color": 0,
         "DateFormat": 0,
         "TimeFormat": 0
      }
   }
}
```

6.7.6.3 Set the OSD Content Style for a Specified Channel

6.7.6.3.1 Overview

Names	Description
Interface Description	Sets the OSD content style for the specified channel
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle
Interface request method	PUT
Data submission method	application/json

6.7.6.3.2 URL Description

None

6.7.6.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
FontSize	integer	body	true	Font size 0: Extra large 1: Large 2: Medium 3: Small
Color	integer	body	true	Colors An RGB color is calculated by combining the relative brightness of the three primary colors of red, green, and blue, and the value range of each primary color is 0-255. Calculation formula: (65536*Red + 256*Green + Blue). To issue color #665432, To issue 65536 * 102(66 for base 10) + 256 * 84(54 for base 10) + 50(32 for base 10) = 6706226 (which is actually the base 10 of #665432) To issue RGB(102, 84, 50), Then send 65536 * 102 + 256 * 84 + 50 = 6706226
DateFormat	integer	body	true	Date format 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 6: dd-MM-yyyy 100: DD/MM/YYY English 101: MM/DD/YYY American style 102: DD MM YYY Example: English 28 March, 2014 Example 103: DD MM YYY: American style March 28, 2014 104: XX DD MM YYY Example: British Thursday, 28 March, 2014 105: XX DD MM YYY Example: American Thursday, March 28, 2014 106: YYY/MM/DD 107: YYY MM DD Example: March 28, 2014 108: XX YYY MM DD example: Thursday, 2014 March 28
TimeFormat	integer	body	true	Time format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: afternoon hh:mm:ss(common in Chinese (Taiwan))

6.7.6.3.4 Example of Request Parameters

```
{
   "FontSize": 1,
   "Color": 0,
   "DateFormat": 0,
   "TimeFormat": 0
}
```

6.7.6.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.6.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.7.6.4 Query OSD Information

6.7.6.4.1 Overview

Names	Description
Interface Description	Query OSD information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents
Interface request method	GET
How data is submitted	application/json

6.7.6.4.2 URL Description

None

6.7.6.4.3 Request Parameters

None

6.7.6.4.4 Example of Request Parameters

None

6.7.6.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of OSD content
++ContentList	object[]	body	false	OSD information list On the NVR side, the channel name is fixed to the first OSD node, the date & time is fixed to the second OSD node, and the third OSD node is fixed to the number of supported OSD nodes (based on capability query). Other field names are fixed to the next several OSD nodes
+++ID	integer	body	true	OSD serial number Value range: [0, 7]
+++Enabled	integer	body	true	OSD Enable 0: disables 1: enabled
+++Num	integer	body	true	Number of OSD nodes in the zone Limited by MaxPerAreaOSDNum in the OSDCapabilities set NVR only supports 1 OSD per region
+++ContentInfo	object[]	body	true	OSD Content information
++++ContentType	integer	body	true	OSD Content Type For details about the enumerated value, see 7.1.15 OSD Type
++++Value	string	body	true	OSD text information
+++Area	object	body	true	OSD area information

Parameter names	Parameter type	Parameter location	Required	Description
++++TopLeft	object	body	false	Coordinate point information in the upper left corner of the rectangular area
+++++X	integer	body	false	abscissa Value range: [0, 9999]
+++++Y	integer	body	false	Ordinate Value range: [0, 9999]

6.7.6.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "ContentList": [
        {
          "ID": 0,
          "Enabled": 1,
          "Num": 1,
          "ContentInfo": [
            {
              "ContentType": 1,
              "Value": "OSD 文本"
            }
          ],
          "Area": {
            "TopLeft": {
              "X": 200,
              "Y": 200
            }
          }
        }
      ]
    }
  }
}
```


6.7.6.5 Set OSD Parameters

6.7.6.5.1 Overview

Names	Description
Interface Description	Set the OSD content
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents

Names	Description
Interface request method	PUT
Data submission method	application/json

6.7.6.5.2 URL Description

None

6.7.6.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of OSD content
ContentList	object[]	body	true	List of OSD content information On the NVR side, the channel name is fixed to the first OSD node, the date & time is fixed to the second OSD node, and the third OSD node is fixed to the number of supported OSD nodes (based on capability query). Other field names are fixed to the next several OSD nodes
+ID	integer	body	false	OSD serial number Value range: [0, 7]
+Enabled	integer	body	true	OSD Enable 0: disables 1: enabled
+Num	integer	body	true	Number of OSD nodes in the zone Limited by MaxPerAreaOSDNum in the OSDCapabilities set NVR only supports 1 OSD per region
+ContentInfo	object[]	body	false	OSD content information
++ContentType	integer	body	true	OSD Content Type For details on the enumerated values, see 7.1.15 OSD Type
++Value	string	body	true	OSD text information
+Area	object	body	false	OSD zone information
++TopLeft	object	body	false	Coordinate point information in the upper left corner of the rectangular area
+++X	integer	body	false	abscissa Value range: [0, 9999]
+++Y	integer	body	false	Ordinate Value range: [0, 9999]

6.7.6.5.4 Example of Request Parameters

```
{
  "Num": 8,
```

```
"ContentList":[
  {
    "ID":0,
    "Enabled":1,
    "Num":1,
    "ContentInfo":[
      {
        "ContentType":1,
        "Value":"OSD"
      }
    ],
    "Area":{
      "TopLeft":{
        "X":200,
        "Y":200
      }
    }
  }
]
}
```


6.7.6.5.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.6.5.6 Example for Returning Parameters


```
{
  "Response":{
    "ResponseURL":"/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents",
    "ResponseCode":0,
    "ResponseString":"Succeed",
    "StatusCode":0,
    "Data":{}
  }
}
```


6.7.6.6 Query All OSD Information

6.7.6.6.1 Overview

Names	Description
Interface Description	Query All OSD information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs
Interface request method	GET
How data is submitted	application/json

6.7.6.6.2 URL Description

None

6.7.6.6.3 Request Parameters

None

6.7.6.6.4 Example of Request Parameters

None

6.7.6.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++ContentStyle	object	body	true	OSD Style
+++FontSize	integer	body	true	Font size 0: Extra large 1: Large 2: Medium 3: Small
+++Color	integer	body	true	Colors An RGB color is calculated by combining the relative brightness of the red, green and blue primary colors, and the value of each primary color ranges from 0 to 255. Calculation formula: (65536*Red + 256*Green + Blue). To issue color #665432, To issue 65536 * 102(66 for base 10) + 256 * 84(54 for base 10) + 50(32 for base 10) = 6706226 (which is actually the base 10 of

Parameter Names	Parameter type	Parameter location	Required	Description
				#665432) To issue RGB(102, 84, 50), Then send 65536 * 102 + 256 * 84 + 50 = 6706226
+++DateFormat	integer	body	true	Date format 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 6: dd-MM-yyyy 100: DD/MM/YYY English 101: MM/DD/YYY American style 102: DD MM YYY Example: English 28 March, 2014 103: DD MM YYY Example: American style March 28, 2014 104: XX DD MM YYY Example: British Thursday, 28 March, 2014 105: XX DD MM YYY Example: American Thursday, March 28, 2014 106: YYY/MM/DD 107: YYY MM DD Example: March 28, 2014 108: XX YYY MM DD example: Thursday, 2014 March 28
+++TimeFormat	integer	body	true	Time format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: afternoon hh:mm:ss(common in Chinese (Taiwan))
++Num	integer	body	true	Number of OSD zones
++ContentList	object[]	body	false	Specifies the region and its OSD node. This parameter is optional when Num is 0
+++ID	integer	body	true	OSD serial number Value range: [0, 7]
+++Enabled	integer	body	true	OSD Enable 0: disables 1: enabled
+++Num	integer	body	true	Number of OSD nodes in the zone Limited by MaxPerAreaOSDNum in the OSDCapabilities set NVR only supports 1 OSD per region
+++ContentInfo	object[]	body	true	OSD Content information
++++ContentType	integer	body	true	OSD Content Type For details on the enumerated values, see 7.1.15 OSD Type
++++Value	string	body	true	OSD text information
+++Area	object	body	true	OSD area information
++++TopLeft	object	body	false	Coordinate point information in the upper left corner of the rectangular area

Parameter Names	Parameter type	Parameter location	Required	Description
+++++X	integer	body	false	abscissa Value range: [0, 9999]
+++++Y	integer	body	false	Ordinate Value range: [0, 9999]

6.7.6.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ContentStyle": {
        "FontSize": 1,
        "Color": 0,
        "DateFormat": 0,
        "TimeFormat": 0
      },
      "Num": 8,
      "ContentList": [
        {
          "ID": 0,
          "Enabled": 1,
          "Num": 1,
          "ContentInfo": [
            {
              "ContentType": 1,
              "Value": "OSD 文本"
            }
          ],
          "Area": {
            "TopLeft": {
              "X": 200,
              "Y": 200
            }
          }
        }
      ]
    }
  }
}
```


6.7.6.7 Set All OSD Information

6.7.6.7.1 Overview

Names	Description
Interface Description	Set All OSD Information
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs
Interface request method	PUT
Data submission method	application/json

6.7.6.7.2 URL Description

None

6.7.6.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ContentStyle	object	body	true	OSD Style
+FontSize	integer	body	true	Font size 0: Extra large 1: Large 2: Medium 3: Small
+Color	integer	body	true	Colors An RGB color is calculated by combining the relative brightness of the three primary colors of red, green, and blue, and the value range of each primary color is 0-255. Calculation formula: (65536*Red + 256*Green + Blue). To issue color #665432, To issue 65536 * 102(66 for base 10) + 256 * 84(54 for base 10) + 50(32 for base 10) = 6706226 (which is actually the base 10 of #665432) To issue RGB(102, 84, 50), Then send 65536 * 102 + 256 * 84 + 50 = 6706226
+DateFormat	integer	body	true	Date format 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 6: dd-MM-yyyy 100: DD/MM/YYY English 101: MM/DD/YYY American style 102: DD MM YYY Example: English 28 March, 2014 Example 103: DD MM YYY: American style March 28, 2014 104: XX DD MM YYY Example: British Thursday, 28 March, 2014 105: XX DD MM YYY Example: American Thursday, March 28, 2014 106: YYY/MM/DD 107: YYY MM DD Example: March 28, 2014 108: XX YYY MM DD example: Thursday, 2014 March 28
+TimeFormat	integer	body	true	Time format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore))

Parameter Names	Parameter type	Parameter location	Required	Description
				4: afternoon hh:mm:ss(common in Chinese (Taiwan))
Num	integer	body	true	Number of OSD zones
ContentList	object[]	body	false	Specifies the region and its OSD node. This parameter is optional when Num is 0
+ID	integer	body	false	OSD serial number Value range: [0, 7]
+Enabled	integer	body	true	OSD Enable 0: disables 1: enabled
+Num	integer	body	true	Number of OSD nodes in the zone Limited by MaxPerAreaOSDNum in the OSDCapabilities set NVR only supports 1 OSD per region
+ContentInfo	object[]	body	false	OSD content information
++ContentType	integer	body	true	OSD Content Type For details on the enumerated values, see 7.1.15 OSD Type
++Value	string	body	true	OSD text information
+Area	object	body	false	OSD zone information
++TopLeft	object	body	false	Coordinate point information in the upper left corner of the rectangular area
+++X	integer	body	false	abscissa Value range: [0, 9999]
+++Y	integer	body	false	Ordinate Value range: [0, 9999]

6.7.6.7.4 Example of Request Parameters

```
{
   "ContentStyle": {
      "FontSize": 1,
      "Color": 0,
      "DateFormat": 0,
      "TimeFormat": 0
   },
   "Num": 8,
   "ContentList": [
      {
         "ID": 0,
         "Enabled": 1,
         "Num": 1,
         "ContentInfo": [
            {
               "ContentType": 1,
               "Value": "OSD"
            }
         ],
```

```
        "Area":{
          "TopLeft": {
            "X": 200,
            "Y": 200
          }
        }
      }
    ]
}
```

6.7.6.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.6.7.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.7.7 Capture Picture

6.7.7.1 Capturing Images Without Preview

6.7.7.1.1 Overview

Names	Description
Interface Description	Non-preview capture operation interface, return picture data
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/Snapshot
Interface request method	GET

Names	Description
How data is submitted	application/json

6.7.7.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Streams/ID	integer	true	0	ID is the stream index (IPC capture resolution is determined by the capture configuration, this index does not take effect). 0: mainstream 1: secondary 2: third stream

6.7.7.1.3 Request Parameters

None

6.7.7.1.4 Example of Request Parameters

None

6.7.7.1.5 Return Parameters

None

6.7.7.1.6 Example for Returning Parameters

None

6.7.7.2 Get the URL of the Captured Image

6.7.7.2.1 Overview

Names	Description
Interface Description	Get the URL of the captured image
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/SnapshotURL?Type=<Type>&Time=<Time>
Interface request method	GET
How data is submitted	application/json

6.7.7.2.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
Type	string	true	"MotionAlarmOn"	Alarm type. Currently, the following alarms are supported MotionAlarmOn: Motion detection starts

Parameter name	Parameter type	Required	Sample value	Description
				"VideoLossAlarmOn": Video loss begins "AbnormalAudioOn": Audio detection begins "MaskImageAlarmOn": Block detection "IPCOffline": IPC offline "InputAlarmOn": alarm input
Time	integer	true	1476088399	UTC time when the alarm occurred, the number of seconds from 0:00 on January 1, 1970

6.7.7.2.3 Request Parameters

None

6.7.7.2.4 Example of Request Parameters

None

6.7.7.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	The number of urls
++PicInfos	object[]	body	false	Alarm picture information array, optional when Num is 0
+++URL	string	body	true	URL of the alarm graph
+++Name	string	body	true	Picture name, length [1,64] String length range: [1, 64]
+++Size	integer	body	true	Picture size, in bytes

6.7.7.2.6 Return Parameter Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/SnapshotURL?Type=<Type>&Time=<Time>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
```

```
    "Data": {
      "Num": 1,
      "PicInfos": [
        {
          "URL": "http://206.5.3.32:80/LAPI/V1.0/Channels/1/Alarm/Snapshot",
          "Name": "ubs_19_0_0_1_0_1_409_2795",
          "Size": 64164
        }
      ]
    }
  }
}
```


6.7.7.3 Get a Snap Picture

6.7.7.3.1 Overview

Names	Description
Interface Description	Get a snap picture
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/Snapshot?Name=<Name>&Size=<Size>
Interface request method	GET
How data is submitted	application/json

6.7.7.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Name	string	true	“aaa”	Picture name, length [1,64]
Size	integer	true	61440	Picture size, in bytes

6.7.7.3.3 Request Parameters

None

6.7.7.3.4 Example of Request Parameters

None

6.7.7.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.7.7.3.6 Examples of Return Parameters

```
Content-Length: 44
Content-type: image/jpeg
Accept-Ranges: bytes
```

6.7.8 Recording

6.7.8.1 Query the Video Files of the Specified Video Stream in the Specified Video Input Channel Within the Specified Time Period

6.7.8.1.1 Overview

Names	Description
Interface Description	Query the video files of the specified video stream in the specified video input channel within the specified time period
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/Records?Begin=<Begin>&End=<End>&Limit=<Limit>&Offset=<Offset>&Types=<Types>&RelationOfTypes=<RelationOfTypes>
Interface request method	GET
How data is submitted	application/json

6.7.8.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Begin	integer	true	1454428800	Video inquiry start time UTC time format, in seconds
End	integer	true	1454435960	Video query end time UTC time format, unit: second
Limit	integer	false	0	Number of queries per query, with a maximum of 20 queries per query
Offset	integer	false	0	Query from the current serial number, starting from 0

Parameter Names	Parameter type	Required	Sample value	Description
Types	integer	false	16	The type of video to be queried is processed by bit, each bit corresponds to a type of video, from left to right, it is the 0-31st bit, and the corresponding bit is assigned and finally converted to the ULong type value If this field is not included, all types of videos are queried 1: Manually record the video 4: Motion detection 8: Input switch quantity alarm 16: Video loss 32: Audio detection 128: Planned video recording 256: Face detection 512: Cross Line detection 1024: Zone intrusion 2048: Virtual focus detection 4096: Scene change 8192: Intelligent Motion Tracking events 16384: Emergency Bell 32768: Item left behind 65536: Item moved 2097152: Human detection 4194304: Occlusion detection 8388608: Area Wandering 16777216: People gather 33554432: Fast move 67108864: Enter the zone 134217728: Leave the area 268435456: Parking detection 536870912: Access detection 1073741824: High-altitude throwing object detection 2147483648: Intelligent Motion Detection (SMD)
RelationOfTypes	integer	false	0	Video type relationship 0: With 1: or If None Types field or only one type of video, do not fill in this field If there are two or more video types, this field is required

6.7.8.1.3 Request Parameters

None

6.7.8.1.4 Example of Request Parameters

None

6.7.8.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Nums	integer<uint32>	body	true	Number of video files queried
++RecordInfos	object[]	body	false	Video info List This object is optional when Nums is 0
+++FileName	string	body	true	Video file name Range: [0, 64]
+++RecordType	integer<uint32>	body	true	Type of video to query Each bit corresponds to a video type. From right to left, it is the 0th to the 31st bit. After the corresponding bit is assigned, it is converted to the ULong type value Value range: [0, 21] 1: Record manually 2: General alarms (not supported by NVR) 4: Motion detection 8: Input switch quantity alarm 16: Video loss 32: Audio detection 64: Transaction information 128: Plan video 256: Face detection 512: Cross Line detection 1024: Zone intrusion 2048: virtual focus detection 4096: Scene change 8192: Intelligent Motion Tracking events 16384: Emergency Bell 32768: Face recognition blacklist 65536: Face recognition whitelist 131072: Item left behind 262144: Item moved 524288: License plate recognition blacklist 1048576: License plate recognition white list 2097152: Human detection
+++Begin	integer<uint32>	body	true	Video file start time UTC time, in seconds
+++End	integer<uint32>	body	true	Video file end time UTC time, in seconds

6.7.8.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/Records?Begin=<Begin>&End=<End>&Limit=<Limit>&Offset=<Offset>&Types=<Types>&RelationOfTypes=<RelationOfTypes>",
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Nums": 0,
      "RecordInfos": [
        {
          "FileName": "Abc123",
          "RecordType": 0,
          "Begin": 1454428800,
          "End": 1454435960
        }
      ]
    }
  }
}
```


6.7.8.2 Queries the Rtsp URL for the Specified Video Type for the Specified Time Period of the Specified Video Input Channel

6.7.8.2.1 Overview

Names	Description
Interface Description	Queries the RTSP URL of the specified video type for the specified time period of the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/RecordURL?Begin=<Begin>&End=<End>&Types=<Types>&RelationOfTypes=<RelationOfTypes>
Interface request method	GET
How data is submitted	application/json

6.7.8.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Begin	integer	false	1454428800	Start time of recording, UTC time format, unit: second If there is a start time, the end time is required
End	integer	false	1454435960	End time of recording, UTC time format, unit: second If there is an end time, the start time is required
Types	integer	false	2	The type of video to be queried is processed by bit, each bit corresponds to a type of video, from right to left is the 0-31st bit, and the corresponding bit is finally converted to the ULong type value after the assignment If this field is not included, all types of videos are queried 0: Manually record videos 2: Motion detection 3: Input switch quantity alarm 4: Video is lost 5: Audio detection 7: Plan video recording

Parameter Names	Parameter type	Required	Sample value	Description
				8: Face detection 9: Cross Line detection 10: Area intrusion 11: Virtual focus detection 12: Scene change 13: Smart Motion tracking events 14: Emergency Bell 17: Items left behind 18: Item moved 21: Human detection 22: Occlusion detection 23: Area Wandering 24: People gather 25: Move fast 26: Enter the zone 27: Leave the area 28: Parking detection 29: Access detection 30: High altitude Throwing detection 31: Intelligent Motion Detection (SMD)
RelationOfTypes	integer	false	0	Video type relationship 0: With 1: or If None Types field or only one type of video, do not fill in this field If there are two or more video types, this field is required

6.7.8.2.3 Request Parameters

None

6.7.8.2.4 Example of Request Parameters

None

6.7.8.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++URL	string	body	true	The RTSP URL of the video Range: [0, 128]

6.7.8.2.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/RecordURL?Begin=<Begin>&End=<End>&Types=<Types
>&RelationOfTypes=<RelationOfTypes>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "URL": "rtsp://206.5.3.13:554/c2/replay/"
    }
  }
}
```

6.8 Alarm

6.8.1 Capability

6.8.1.1 Query Alarm Capability Information

6.8.1.1.1 Overview

Names	Description
Interface Description	Query alarm capability information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities
Interface request method	GET
How data is submitted	application/json

6.8.1.1.2 URL Description

None

6.8.1.1.3 Request Parameters

None

6.8.1.1.4 Example of Request Parameters

None

6.8.1.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++MotionDetection	object	body	true	Motion detection ability information
+++IsSupportCfg	integer	body	true	Whether to support assignable Default value: 1 0: Not supported 1: Supported
+++BlockWidth	integer	body	true	Maximum macroblock width Value range: [1,]
+++BlockHeight	integer	body	true	Macroblock height Max Value range: [1,]
+++SupportAnalysisModeList	integer[]	body	false	List of supported analysis modes, required when supported configuration
++TamperDetection	object	body	true	Occlusion detection capability information
+++IsSupportCfg	integer	body	true	Whether occlusion detection is supported Whether the access device supports configurable Default value: 1 0: Not supported 1: Supported
+++TamperRectangleAreaNum	integer	body	true	Number of areas that occlusion detection can draw The current number is fixed at 1 Value range: [0,] Default value: 1
++AudioDetection	object	body	false	Audio detect capability information
+++SupportCfg	integer	body	true	Whether audio detection is supported Default value: 1 0: Not supported 1: Supported
++HumanShapeDetection	object	body	true	Human detection ability information
+++SupportCfg	integer	body	true	Whether to support Human detection Default: 1 0: Not supported 1: Supported
+++RectangleAreaNum	integer	body	true	Human detection Number of areas to draw Value range: [0,]

Parameter name	Parameter type	Parameter location	Required	Description
				Default value: 1
+++SupportLinkageWeekPlanCfg	integer	body	true	Whether the Add device supports the configuration of the defense linkage alarm plan (supported only by the module) 0: Not supported 1: Supported
+++SupportDayNightCfg	integer	body	true	Whether the Add device supports alarm scheduling in day/night mode 0: No 1: Supported
+++LinkagePlanCfg	object	body	true	Linkage item monitor plan
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration Default value: 1 0: not supported 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration Default value: 1 0: Not supported 1: Supported
+++SupportLinkageTypeNum	integer	body	true	Number of supported alarm linkage types
+++LinkageTypeList	integer[]	body	true	A list of supported alarm linkage types If SupportLinkageTypeNum is set to 0, this field is empty The supported capability type is the same as the linkage action type: 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Linkage sound alarm Monitor 29: linkage light alarm defense
++TemperatureDetection	object	body	false	Temperature detection alarm capability information This parameter is mandatory when the temperature detection rule supported by the device is not 0
+++SupportTypeNum	integer	body	true	Number of alarm types supported for temperature detection Value range: [1,] Default value: 1
+++TypeList	integer[]	body	true	List of temperature detection alarm types 0: Full-screen rule 1: Normal rule 2: Contrast rules 3: face temperature measurement rules

Parameter name	Parameter type	Parameter location	Required	Description
++SupportConflagration	integer	body	true	Whether the fire point detection function is supported 0: No 1: Supported
++SupportSmokingDetection	integer	body	true	Whether the smoking detection function is supported 0: No 1: Supported

6.8.1.1.6 Examples for Returning parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "MotionDetection": {
        "IsSupportCfg": 1,
        "BlockWidth": 22,
        "BlockHeight": 18,
        "SupportAnalysisModeList": [
          1
        ]
      },
      "TamperDetection": {
        "IsSupportCfg": 1,
        "TamperRectangleAreaNum": 1
      },
      "AudioDetection": {
        "SupportCfg": 1
      },
      "HumanShapeDetection": {
        "SupportCfg": 0,
        "RectangleAreaNum": 0,
        "SupportLinkageWeekPlanCfg": 0,
        "SupportDayNightCfg": 0,
        "LinkagePlanCfg": {
          "SupportAudioLinkagePlan": 0,
          "SupportLightLinkagePlan": 0
        },
        "SupportLinkageTypeNum": 1,
        "LinkageTypeList": [
          24
        ]
      },
      "TemperatureDetection": {
        "SupportTypeNum": 1,
        "TypeList": [
          0
        ]
      },
      "SupportConflagration": 0,
      "SupportSmokingDetection": 0
    }
  }
}
```

6.8.2 Occlusion detection

6.8.2.1 Query the Occlusion Detection Alarm Configuration

6.8.2.1.1 Overview

Names	Description
Interface Description	Query the configuration of the occlusion detection alarm for a specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.8.2.1.2 URL Description

None

6.8.2.1.3 Request Parameters

None

6.8.2.1.4 Example of Request Parameters

None

6.8.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable switch 0: Disables 1: Enables the function
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50

6.8.2.1.6 Return Parameter Examples


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0,
         "Sensitivity": 1
      }
   }
}
```


6.8.2.2 Set Occlusion Detection Alarm Configuration

6.8.2.2.1 Overview

Names	Description
Interface Description	Set the configuration information of the occlusion detection alarm for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.8.2.2.2 URL Description

None

6.8.2.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50

6.8.2.2.4 Example of Request Parameters


```
{
   "Enabled": 0,
   "Sensitivity": 1
```

```
}
```

6.8.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.2.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.2.3 Query the Occlusion Detection Alarm Linkage Configuration

6.8.2.3.1 Overview

Names	Description
Interface Description	Example Query the occlusion detection alarm linkage action of a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.8.2.3.2 URL Description

None

6.8.2.3.3 Request Parameters

None

6.8.2.3.4 Example of Request Parameters

None

6.8.2.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.2.3.6 Return Parameter Examples

```
{
  "Response": {
```

```
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
}
```


6.8.2.4 Set the Occlusion Detection Alarm Linkage

6.8.2.4.1 Overview

Names	Description
Interface Description	Set the Occlusion Detection Alarm Linkage
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.8.2.4.2 URL Description

None

6.8.2.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection support

Parameter Names	Parameter type	Parameter location	Required	Description
				0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.2.4.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.8.2.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.2.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection LinkageActions",
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.8.2.5 Query the Configuration of the Occlusion Detection Alarm Monitor Plan

6.8.2.5.1 Overview

Names	Description
Interface Description	Query the occlusion detection alarm monitor plan of a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.8.2.5.2 URL Description

None

6.8.2.5.3 Request Parameters

None

6.8.2.5.4 Example of Request Parameters

None

6.8.2.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]

Parameter name	Parameter type	Parameter location	Required	Description
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.2.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
```

```
            "TimeSectionInfos": [
                {
                  "Begin": "00:00:00",
                  "End": "23:59:59",
                  "ArmingType": 0
                }
              ]
            }
          ]
        }
      }
}
```


6.8.2.6 Configure Occlusion Detection Alarm Monitor Plan

6.8.2.6.1 Overview

Names	Description
Interface Description	Configure occlusion detection alarm monitor plan for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.8.2.6.2 URL Description

None

6.8.2.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day

Parameter Names	Parameter type	Parameter location	Required	Description
				The maximum size is 8 segments Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.2.6.4 Example of Request Parameters

```
{
   "Num": 1,
   "Days": [
      {
         "ID": 1,
         "Num": 1,
         "TimeSectionInfos": [
            {
               "Begin": "00:00:00",
               "End": "23:59:59",
               "ArmingType": 0
            }
         ]
      }
   ]
}
```

6.8.2.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.2.6.6 Return Parameters Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.3 Audio Detection

6.8.3.1 Query the Alarm Configuration of Audio Detection

6.8.3.1.1 Overview

Names	Description
Interface Description	Query the audio detection alarm configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.8.3.1.2 URL Description

None

6.8.3.1.3 Request Parameters

None

6.8.3.1.4 Example of Request Parameters

None

6.8.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable switch Default: 1 0: Disabled 1: enabled
++DetectType	integer	body	true	Audio detection trigger type 0: Steep rise 1: steep descent 2: Sudden change 3: Threshold
++DiffValue	integer	body	true	Difference Used when the sound detection is a steep rise, steep fall, sudden change type, trigger alarm when the volume rises, steep fall, or sudden change exceeds the difference Value range: [0, 400] Default value: 100
++Threshold	integer	body	true	Threshold Used when the sound detection is a threshold, when the volume exceeds the threshold, an alarm is triggered Value range: [0, 400] Default value: 50

6.8.3.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0,
         "DetectType": 0,
         "DiffValue": 100,
         "Threshold": 50
      }
   }
}
```

6.8.3.2 Set Audio Detection Alarm Configuration

6.8.3.2.1 Overview

Names	Description
Interface Description	Set the audio detection alarm configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.8.3.2.2 URL Description

None

6.8.3.2.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Enabled	integer	body	true	Enable switch Default: 1 0: Disabled 1: enabled
DetectType	integer	body	true	Audio detection trigger type 0: steep rise 1: steep descent 2: Sudden change 3: Threshold
DiffValue	integer	body	false	Difference Used when the sound detection is a steep rise, steep fall, sudden change type, trigger alarm when the volume rises, steep fall, or sudden change exceeds the difference Value range: [0, 400] Default value: 100
Threshold	integer	body	false	Threshold value Used when the sound detection is a threshold, when the volume exceeds the threshold, an alarm is triggered Value range: [0, 400] Default value: 50

6.8.3.2.4 Example of Request Parameters

```
{
   "Enabled": 0,
   "DetectType": 0,
   "DiffValue": 100,
   "Threshold": 50
}
```

6.8.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.3.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.3.3 Query the Configuration of Audio Detection Alarm Linkage

6.8.3.3.1 Overview

Names	Description
Interface Description	Query the configuration of audio detection alarm linkage
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.8.3.3.2 URL Description

None

6.8.3.3.3 Request Parameters

None

6.8.3.3.4 Example of Request Parameters

None

6.8.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.3.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

```
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```


6.8.3.4 Configure Audio Detection Alarm Linkage

6.8.3.4.1 Overview

Names	Description
Interface Description	Configure Audio Detection Alarm Linkage
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.8.3.4.2 URL Description

None

6.8.3.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage

Parameter Names	Parameter type	Parameter location	Required	Description
				4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.3.4.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.8.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.3.4.6 Examples of Return Parameters

```
{
"Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
```

```
}
```

6.8.3.5 Query the Configuration of Audio Detection Alarm Monitor Plans

6.8.3.5.1 Overview

Names	Description
Interface Description	Query the configuration of audio detection alarm monitor plans
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.8.3.5.2 URL Description

None

6.8.3.5.3 Request Parameters

None

6.8.3.5.4 Example of Request Parameters

None

6.8.3.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week

Parameter names	Parameter type	Parameter location	Required	Description
+++ID	integer	body	true	Index of the Week Default value: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Call the police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.3.5.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
```

```
            {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
            }
        ]
      }
    ]
  }
 }
}
```

6.8.3.6 Configure an Audio Detection Alarm Monitor Plan

6.8.3.6.1 Overview

Names	Description
Interface Description	Configure an Audio Detection Alarm Monitor Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.8.3.6.2 URL Description

None

6.8.3.6.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8

Parameter name	Parameter type	Parameter location	Required	Description
				Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.3.6.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.8.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.3.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.8.4 Fire Point Detection

6.8.4.1 Query Fire Point Detection Alarms Configure

6.8.4.1.1 Overview

Names	Description
Interface Description	Query the configuration of the fire point detection alarm for a specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/ConflagrationDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.8.4.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.4.1.3 Request Parameters

None

6.8.4.1.4 Example of Request Parameters

None

6.8.4.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable switch Default: 1 0: Disabled 1: enabled

6.8.4.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Alarm/ConflagrationDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 1
      }
   }
}
```

6.8.4.2 Set Fire Point Detection Alarms Configure

6.8.4.2.1 Overview

Names	Description
Interface Description	Set Fire Point Detection Alarms Configure
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/ConflagrationDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.8.4.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	string	true	1	Channel ID

6.8.4.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch Default: 1 0: disables 1: enabled

6.8.4.2.4 Example of Request Parameters

```
{
   "Enabled": 1
}
```

6.8.4.2.5 Return Parameters

None

6.8.4.2.6 Example for Returning Parameters

None

6.8.4.3 Query the Linkage Action for a Fire Point Detection Alarm

6.8.4.3.1 Overview

Names	Description
Interface Description	Query the Linkage Action for a Fire Point Detection Alarm
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/ConflagrationDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.8.4.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.4.3.3 Request Parameters

None

6.8.4.3.4 Example of Request Parameters

None

6.8.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.4.3.6 Return Parameter Examples

```
{
```

```
"Response": {
  "ResponseURL": "/LAPI/V1.0/Alarm/ConflagrationDetection/LinkageActions?ChannelID=<ChannelID>",
  "ResponseCode": 0,
  "ResponseString": "Succeed",
  "StatusCode": 0,
  "Data": {
    "Num": 1,
    "Actions": [
      {
        "Enabled": 1,
        "ActID": 28,
        "ActParam": {}
      }
    ]
  }
}
```


6.8.4.4 Set the Linkage Action for Fire Detection Alarms

6.8.4.4.1 Overview

Names	Description
Interface Description	Set the linkage action for fire detection alarms
Interface Version	V1.0
Interface address	/LAPI/V1.0/Alarm/ConflagrationDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.8.4.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.4.4.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported

Parameter Name	Parameter type	Parameter location	Required	Description
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.4.4.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.8.4.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success.
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.4.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Alarm/ConflagrationDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.8.4.5 Query the Monitor Plan for Fire Detection Alarms

6.8.4.5.1 Overview

Names	Description
Interface description	Query the monitor plan for fire detection alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/ConflagrationDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.8.4.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.4.5.3 Request Parameters

None

6.8.4.5.4 Example of Request Parameters

None

6.8.4.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++Num	integer	body	true	Planned days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.4.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Alarm/ConflagrationDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

```
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
}
```


6.8.4.6 Configure a Monitor Plan for Fire Detection Alarms

6.8.4.6.1 Overview

Names	Description
Interface Description	Configure a monitor plan for fire detection alarms
Interface Version	V1.0
Interface address	/LAPI/V1.0/Alarm/ConflagrationDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.8.4.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.4.6.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday

Parameter Names	Parameter type	Parameter position	Required	Description
				2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time The format is hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarms of all types can be deployed only in scheduled mode. Video and capture plans are supported The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.4.6.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.8.4.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.4.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Alarm/ConflagrationDetection/WeekPlan?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.5 Temperature Detection

6.8.5.1 Query the Status of Temperature Detection Alarms

6.8.5.1.1 Overview

Names	Description
Interface Description	Query the status of temperature detection alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/TemperatureDetection/EnableStatus?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.8.5.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.5.1.3 Request Parameters

None

6.8.5.1.4 Example of Request Parameters

None

6.8.5.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Data information for the response
++Enabled	integer	body	true	Enable/disable Default value: 1 0: disable 1: Enable

6.8.5.1.6 Examples for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Alarm/TemperatureDetection/EnableStatus?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.8.5.2 Enabling or Disabling Temperature Detection Alarms

6.8.5.2.1 Overview

Names	Description
Interface Description	Enable or disable temperature detection alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/TemperatureDetection/EnableStatus?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.8.5.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.5.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enable	integer	body	true	Enable/disable Default value: 1 0: disable 1: Enable Default value: 1

6.8.5.2.4 Example of Request Parameters

```
{
   "Enable": 1
}
```

6.8.5.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.5.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Alarm/TemperatureDetection/EnableStatus?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.5.3 Query the Linkage Action for Temperature Alarms

6.8.5.3.1 Overview

Names	Description
Interface Description	Query the linkage action of temperature alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/TemperatureDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.8.5.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.5.3.3 Request Parameters

None

6.8.5.3.4 Example of Request Parameters

None

6.8.5.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters

Parameter Names	Parameter type	Parameter location	Required	Description
				Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.5.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Alarm/TemperatureDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.8.5.4 Set the Linkage for Temperature Alarms

6.8.5.4.1 Overview

Names	Description
Interface Description	Set the linkage action for temperature alarms
Interface Version	V1.0
Interface address	/LAPI/V1.0/Alarm/TemperatureDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT

Names	Description
Data submission method	application/json

6.8.5.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.5.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This parameter is mandatory when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Preview the linkage NVR 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.5.4.4 Example of Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
```

```
  ]
}
```

6.8.5.4.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.5.4.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Alarm/TemperatureDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.5.5 Query the Monitor Plan for Temperature Alarms

6.8.5.5.1 Overview

Names	Description
Interface Description	Query the Monitor plan for temperature alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/TemperatureDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.8.5.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.5.5.3 Request Parameters

None

6.8.5.5.4 Example of Request Parameters

None

6.8.5.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information Periods of the same day cannot overlap This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]

Parameter Names	Parameter type	Parameter location	Required	Description
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.5.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Alarm/TemperatureDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.8.5.6 Set a Monitor Plan for Temperature Alarms

6.8.5.6.1 Overview

Names	Description
Interface Description	Set a monitor plan for temperature alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Alarm/TemperatureDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.8.5.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.8.5.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: Enables the function
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum size is 8 segments Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police

Parameter Names	Parameter type	Parameter location	Required	Description
				3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.5.6.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.8.5.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.5.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Alarm/TemperatureDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.8.6 Motion Detection

6.8.6.1 Get the Area Type of Motion Detection for the Specified Video Input Channel

6.8.6.1.1 Overview

Names	Description
Interface Description	Get the area type for the specified video input channel motion detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/AreaType
Interface request method	GET
How data is submitted	application/json

6.8.6.1.2 URL Description

None

6.8.6.1.3 Request Parameters

None

6.8.6.1.4 Example of Request Parameters

None

6.8.6.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Type	integer	body	true	Area type 0: Rectangular area 1: Macroblock area

6.8.6.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection AreaType",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Type": 1
      }
   }
}
```


6.8.6.2 Set the Area Type for Specifying Video Input Channel Motion Detection

6.8.6.2.1 Overview

Names	Description
Interface Description	Set the type of area for specifying video input channel motion detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/AreaType
Interface request method	PUT
Data submission method	application/json

6.8.6.2.2 URL Description

None

6.8.6.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Type	integer	body	true	Area type 0: Rectangular area 1: Macroblock area

6.8.6.2.4 Example of Request Parameters


```
{
   "Type": 1
}
```


6.8.6.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.6.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection AreaType",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.6.3 Get the Configuration Information of (Smart/Normal) Motion Detection in the Specified Video Input Channel

6.8.6.3.1 Overview

Names	Description
Interface Description	Get the configuration information of (smart/normal) motion detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.8.6.3.2 URL Description

None

6.8.6.3.3 Request Parameters

None

6.8.6.3.4 Example of Request Parameters

None

6.8.6.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	enable 0: disables 1: enabled
++Mode	integer	body	true	Movementary mode If this node is not present, it defaults to normal motion detection 0: common motion detection 1: Intelligent motion detection

6.8.6.3.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0,
         "Mode": 0
      }
   }
}
```

6.8.6.4 Set the Configuration Information of (Smart/Normal) Motion Detection in the Specified Video Input Channel

6.8.6.4.1 Overview

Names	Description
Interface Description	Set the configuration information of (intelligent/ordinary) motion detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule
Interface request method	PUT

Names	Description
Data submission method	application/json

6.8.6.4.2 URL Description

None

6.8.6.4.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled
Mode	integer	body	true	Movementary mode If this node is not present, it defaults to normal motion detection 0: common motion detection 1: Intelligent motion detection

6.8.6.4.4 Example of Request Parameters

```
{
   "Enabled": 0,
   "Mode": 0
}
```

6.8.6.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.6.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule",
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.8.6.5 Get Information About All Rectangular Areas in Motion Detection for a Specified Video Input Channel

6.8.6.5.1 Overview

Names	Description
Interface Description	Get information about all rectangular areas in motion detection of a specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas
Interface request method	GET
How data is submitted	application/json

6.8.6.5.2 URL Description

None

6.8.6.5.3 Request Parameters

None

6.8.6.5.4 Example of Request Parameters

None

6.8.6.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	false	Number of rectangular areas This field is optional when Num is 0

Parameter Names	Parameter type	Parameter location	Required	Description
++RECTAreas	object[]	body	true	Rectangular area information list
+++ID	integer	body	true	Rectangular area numbering Starting from 0, the maximum number of areas supported can be obtained from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+++Sensitivity	integer	body	true	Motion detection sensitivity , the larger the value, the more sensitive it is Value range: [1, 100]
+++AreaInfoList	object	body	true	Polygon area information
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Num	integer	body	true	Detect number of targets
+++DetectTargetList	object[]	body	false	Detect target list
++++Enabled	integer	body	false	Detect switch 0: Disables 1: enabled
++++Type	integer	body	false	Detect type This field is optional when the number of detection targets Num is 0 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian

6.8.6.5.6 Return Parameter Examples


```
{
"Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
```

```
        "RECTAreas": [
          {
            "ID": 1,
            "Enabled": 1,
            "Sensitivity": 50,
            "AreaInfoList": {
              "PointNum": 4,
              "PointList": [
                {
                  "X": 5000,
                  "Y": 5000
                }
              ]
            },
            "Num": 1,
            "DetectTargetList": [
              {
                "Enabled": 0,
                "Type": 0
              }
            ]
          }
        ]
      }
    }
}
```


6.8.6.6 Get the Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel

6.8.6.6.1 Overview

Names	Description
Interface Description	Get information about the specified rectangular area in motion detection of the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>
Interface request method	GET
How data is submitted	application/json

6.8.6.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
RECTAreas/ID	unsigned long	true	1	Zone ID

6.8.6.6.3 Request Parameters

None

6.8.6.6.4 Example of Request Parameters

None

6.8.6.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Rectangular area numbering Starting from 0, the maximum number of areas supported can be obtained from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
++Enabled	integer	body	true	Area enable identifier 0: Disable 1: enabled
++Sensitivity	integer	body	true	Motion detection sensitivity , the larger the value, the more sensitive it is Value range: [1, 100]
++AreaInfoList	object	body	true	Polygon area information
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++++X	integer	body	true	X-axis coordinate Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Num	integer	body	true	Detect number of targets
++DetectTargetList	object[]	body	false	Detect target list
+++Enabled	integer	body	false	Detect switch 0: Disables 1: enabled
+++Type	integer	body	false	Detect type This field is optional when Num is 0 0: Motor vehicle

Parameter Names	Parameter type	Parameter location	Required	Description
				1: non-motor vehicle 2: Pedestrian

6.8.6.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Alarm/MotionDetection/Areas/RECTAreas/0",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Enabled": 1,
      "Sensitivity": 50,
      "AreaInfoList": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 9999
          },
          {
            "X": 9999,
            "Y": 9999
          },
          {
            "X": 9999,
            "Y": 0
          }
        ]
      },
      "Num": 3,
      "DetectTargetList": [
        {
          "Enabled": 1,
          "Type": 0
        },
        {
          "Enabled": 1,
          "Type": 1
        },
        {
          "Enabled": 1,
          "Type": 2
        }
      ]
    }
  }
}
```

6.8.6.7 Configure Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel

6.8.6.7.1 Overview

Names	Description
Interface Description	Configure Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>
Interface request method	PUT
Data submission method	application/json

6.8.6.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
RECTAreas/ID	unsigned long	true	1	Zone ID

6.8.6.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	false	Rectangular area numbering Starting from 0, the maximum number of areas supported can be obtained from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
Enabled	integer	body	true	Zone enable identifier 0: Disable 1: Enables the function
Sensitivity	integer	body	true	Motion detection sensitivity , the larger the value, the more sensitive it is Value range: [1, 100]
AreaInfoList	object	body	true	Polygon area information
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates

Parameter Names	Parameter type	Parameter location	Required	Description
				Unit to 10,000 ratio Value range: [0, 10000]
Num	integer	body	false	Detect number of targets
DetectTargetList	object[]	body	false	Detect target list
+Enabled	integer	body	false	Detect switch 0: Disables 1: enabled
+Type	integer	body	false	Detect type This field is optional when the number of detection targets Num is 0 0: Motor vehicle 1: Non-motor vehicle 2: Pedestrian

6.8.6.7.4 Example of Request Parameters

```
{
  "ID": 0,
  "Enabled": 1,
  "Sensitivity": 100,
  "AreaInfoList": {
    "PointNum": 4,
    "PointList": [
      {
        "X": 0,
        "Y": 0
      },
      {
        "X": 0,
        "Y": 9999
      },
      {
        "X": 9999,
        "Y": 9999
      },
      {
        "X": 9999,
        "Y": 0
      }
    ]
  },
  "Num": 3,
  "DetectTargetList": [
    {
      "Enabled": 1,
      "Type": 0
    },
    {
      "Enabled": 1,
      "Type": 1
    },
    {
      "Enabled": 1,
```

```
        "Type": 2
      }
    ]
}
```

6.8.6.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.6.7.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.6.8 Query the Motion Detection Linkage Action

6.8.6.8.1 Overview

Names	Description
Interface Description	Query the linkage action of motion detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>
Interface request method	GET
How data is submitted	application/json

6.8.6.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Mode	integer	false	0	0: General motion detection 1: Intelligent motion detection NVR support, do not carry this field, default query/set common motion detection linkage action

6.8.6.8.3 Request Parameters

None

6.8.6.8.4 Example of Request Parameters

None

6.8.6.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: indicates the email linkage 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen

Parameter Names	Parameter type	Parameter location	Required	Description
				12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.6.8.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Alarm/MotionDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 10,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 2,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 3,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 4,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 5,
          "ActParam": {
            "Num": 0
          }
        },
```

```
        {
          "ActID": 6,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 7,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 16,
          "ActParam": {
            "Enabled": 1
          }
        },
        {
          "ActID": 12,
          "ActParam": {
            "SelectedRecipientNum": 0
          }
        }
      ]
    }
  }
}
```


6.8.6.9 Set the Linkage Action for Motion Detection

6.8.6.9.1 Overview

Names	Description
Interface Description	Set the linkage action for motion detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>
Interface request method	PUT
Data submission method	application/json

6.8.6.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
Mode	integer	false	0	0: General motion detection 1: Intelligent motion detection NVR support, do not carry this field, default query/set common motion detection linkage action

6.8.6.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: Linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.6.9.4 Example of Request Parameters

```
{
  "Num": 10,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 2,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 3,
      "ActParam": {
```

```
        "Num": 0
      }
    },
    {
      "ActID": 4,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 5,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 6,
      "ActParam": {
        "Num": 9,
        "IDs": [
          1,
          11,
          19,
          20,
          24,
          26,
          32,
          46,
          48
        ]
      }
    },
    {
      "ActID": 7,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 16,
      "ActParam": {
        "Enabled": 1
      }
    },
    {
      "ActID": 12,
      "ActParam": {
        "SelectedRecipientNum": 0
      }
    }
  ]
}
```


6.8.6.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.6.9.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.6.10 Query the Monitor Plan for Motion Detection

6.8.6.10.1 Overview

Names	Description
Interface Description	Query the monitor plan for motion detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.8.6.10.2 URL Description

None

6.8.6.10.3 Request Parameters

None

6.8.6.10.4 Example of Request Parameters

None

6.8.6.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.8.6.10.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.8.6.11 Configure a Monitor Plan for Motion Detection

6.8.6.11.1 Overview

Names	Description
Interface description	Configure a monitor plan for motion detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.8.6.11.2 URL Description

None

6.8.6.11.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]

Parameter Names	Parameter type	Parameter location	Required	Description
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.6.11.4 Example of Request Parameters

```
{
   "Num": 1,
   "Days": [
      {
         "ID": 1,
         "Num": 1,
"TimeSectionInfos": [
            {
               "Begin": "00:00:00",
               "End": "23:59:59",
               "ArmingType": 0
            }
```

```
        ]
      }
    ]
}
```

6.8.6.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.6.11.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.7 Human Detection

6.8.7.1 Query the Enable Information of Human Detection

6.8.7.1.1 Overview

Names	Description
Interface Description	Query the enable information of Human detection (not supported by some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.8.7.1.2 URL Description

None

6.8.7.1.3 Request Parameters

None

6.8.7.1.4 Example of Request Parameters

None

6.8.7.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Human detection enabled 0: Disables 1: enabled
++DetectDisplayEnabled	integer	body	true	Human Detection tracking box shows Enable 0: indicates that it is disabled 1: enabled

6.8.7.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule",
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 1,
         "DetectDisplayEnabled": 1
      }
   }
}
```

6.8.7.2 Set the Enable Information for Human Detection

6.8.7.2.1 Overview

Names	Description
Interface Description	Set the enable information for Human detection (not supported on some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.8.7.2.2 URL Description

None

6.8.7.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Human detection enabled 0: Disables 1: enabled
DetectDisplayEnabled	integer	body	false	Human Detection tracking box shows Enable 0: indicates that it is disabled 1: enabled

6.8.7.2.4 Example of Request Parameters

```
{
   "Enabled": 1,
   "DetectDisplayEnabled": 1
}
```

6.8.7.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.7.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.8.7.3 Query the Linkage Action for Human Detection

6.8.7.3.1 Overview

Names	Description
Interface Description	Query the linkage action for Human detection (not supported by some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.8.7.3.2 URL Description

None

6.8.7.3.3 Request Parameters

None

6.8.7.3.4 Example of Request Parameters

None

6.8.7.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter names	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Upload the photo to E-mail 24: Linkage sound alarm 25: linkage light alarm 28: linkage sound alarm Monitor 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.7.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Alarm/HumanShapeDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 9,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
```

```
            "ActID": 2,
            "ActParam": {
              "Enabled": 0
            }
          },
          {
            "ActID": 3,
            "ActParam": {
              "Num": 0
            }
          },
          {
            "ActID": 4,
            "ActParam": {
              "Num": 0
            }
          },
          {
            "ActID": 5,
            "ActParam": {
              "Num": 0
            }
          },
          {
            "ActID": 6,
            "ActParam": {
              "Num": 0
            }
          },
          {
            "ActID": 7,
            "ActParam": {
              "Enabled": 0
            }
          },
          {
            "ActID": 12,
            "ActParam": {
              "SelectedRecipientNum": 0
            }
          }
        ]
      }
    }
}
```


6.8.7.4 Set the Linkage Action for Human Detection

6.8.7.4.1 Overview

Names	Description
Interface Description	Set linkage action for Human detection (not supported on some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/LinkageActions
Interface request method	PUT

Names	Description
Data submission method	application/json

6.8.7.4.2 URL Description

None

6.8.7.4.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: activates the buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 24: Linkage sound alarm 25: linkage light alarm 28: linkage sound alarm Monitor 29: linkage light alarm defense
+ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.7.4.4 Example of Request Parameters

```
{
  "Num": 10,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
```

```
    "ActID": 1,
    "ActParam": {
      "Enabled": 0
    }
  },
  {
    "ActID": 2,
    "ActParam": {
      "Enabled": 0
    }
  },
  {
    "ActID": 3,
    "ActParam": {
      "Num": 0
    }
  },
  {
    "ActID": 4,
    "ActParam": {
      "Num": 0
    }
  },
  {
    "ActID": 5,
    "ActParam": {
      "Num": 0
    }
  },
  {
    "ActID": 6,
    "ActParam": {
      "Num": 0
    }
  },
  {
    "ActID": 7,
    "ActParam": {
      "Enabled": 0
    }
  },
  {
    "ActID": 16,
    "ActParam": {
      "Enabled": 1
    }
  },
  {
    "ActID": 12,
    "ActParam": {
      "SelectedRecipientNum": 0
    }
  }
 ]
}
```


6.8.7.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.7.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.7.5 Query the Monitor Plan for Human Detection

6.8.7.5.1 Overview

Names	Description
Interface Description	Query the Monitor plan for Human detection (not supported by some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.8.7.5.2 URL Description

None

6.8.7.5.3 Request Parameters

None

6.8.7.5.4 Example of Request Parameters

None

6.8.7.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm

Parameter Names	Parameter type	Parameter location	Required	Description
				5: No plan 10: Events

6.8.7.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Alarm/HumanShapeDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 2,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 3,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 4,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
```

```
        },
        {
          "ID": 5,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 6,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 7,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 8,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.8.7.6 Set Monitor Plan for Human Detection

6.8.7.6.1 Overview

Names	Description
Interface Description	Set the Monitor plan for Human detection (not supported on some models)
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.8.7.6.2 URL Description

None

6.8.7.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum NVR of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time, format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
++End	string	body	true	End time in the format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.7.6.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 0,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "string",
          "End": "string",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.8.7.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success.
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.7.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.8.7.7 Query All Polygon Detection Area Information for Human Detection of Specified Video Input Channel

6.8.7.7.1 Overview

Names	Description
Interface Description	Query all polygon detection area information for Human detection of specified video input channel (some models not supported)
Interface version	V1.0
Interface address	/LAPI V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas
Interface request method	GET
How data is submitted	application/json

6.8.7.7.2 URL Description

None

6.8.7.7.3 Request Parameters

None

6.8.7.7.4 Example of Request Parameters

None

6.8.7.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Detect the number of zones Value range: [1, 4]
++PolygonInfoList	object[]	body	true	Detect the list of area information Num cannot be 0
+++ID	integer	body	true	Detect area number Starting from 0, the maximum number of zones supported can be obtained from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+++Enabled	integer	body	true	Area enable identifier 0: Disable 1: enabled

Parameter names	Parameter type	Parameter location	Required	Description
+++DisplayEnabled	integer	body	true	Display zone enable identifier Indicates whether the zone detection box is displayed 0: indicates that it is disabled 1: enabled
+++Sensitivity	integer	body	true	Human detection sensitivity The larger the value, the more sensitive. Range: [1, 100]
+++TargetSize	integer	body	true	Object size Range: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.8.7.7.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 1,
          "DisplayEnabled": 1,
          "Sensitivity": 50,
          "TargetSize": 1,
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      ]
    }
  }
}
```


6.8.7.8 Set All Polygon Detection Area Information for Human Detection of Specified Video Input Channel

6.8.7.8.1 Overview

Names	Description
Interface Description	Set all polygon detection area information for Human detection of specified video input channel (not supported on some models)
Interface version	V1.0
Interface address	/LAPI V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas
Interface request method	PUT
Data submission method	application/json

6.8.7.8.2 URL Description

None

6.8.7.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Detect the number of zones Value range: [1, 4]
PolygonInfoList	object[]	body	true	Detect the list of area information Num cannot be 0
+ID	integer	body	true	Detection area number Starting from 0, the maximum number of zones supported can be obtained from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+DisplayEnabled	integer	body	true	Display zone enable identifier Indicates whether the zone detection box is displayed 0: indicates that it is disabled 1: Enables the function
+Sensitivity	integer	body	true	Human detection sensitivity The larger the value, the more sensitive, range: [1, 100]
+TargetSize	integer	body	true	Object size Range: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]

Parameter Names	Parameter type	Parameter location	Required	Description
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.8.7.8.4 Example of Request Parameters

```
{
  "Num": 1,
  "PolygonInfoList": [
    {
      "ID": 0,
      "Enabled": 1,
      "Sensitivity": 94,
      "TargetSize": 1,
      "DisplayEnabled": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 113,
          "Y": 349
        },
        {
          "X": 9861,
          "Y": 197
        },
        {
          "X": 9861,
          "Y": 9737
        },
        {
          "X": 139,
          "Y": 9803
        }
      ]
    }
  ]
}
```

6.8.7.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.7.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.8 Video loss

6.8.8.1 Query the Configuration of the Video Loss Alarm for a Specified Video Input Channel

6.8.8.1.1 Overview

Names	Description
Interface Description	Query the configuration of the video loss alarm for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/Rule
Interface request method	GET
How data is submitted	application/json

6.8.8.1.2 URL Description

None

6.8.8.1.3 Request Parameters

None

6.8.8.1.4 Example of Request Parameters

None

6.8.8.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable 0: disables 1: enabled

6.8.8.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 1
      }
   }
}
```

6.8.8.2 Set the Configuration Information of the Video Loss Alarm for the Specified Video Input Channel

6.8.8.2.1 Overview

Names	Description
Interface description	Set the configuration information of the video loss alarm for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/Rule
Interface request method	PUT
Data submission method	application/json

6.8.8.2.2 URL Description

None

6.8.8.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable

Parameter Name	Parameter type	Parameter location	Required	Description
				0: disables 1: enabled

6.8.8.2.4 Example of Request Parameters

```
{
   "Enabled": 1
}
```

6.8.8.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.8.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.8.8.3 Query the Action for the Video Loss Alarm

6.8.8.3.1 Overview

Names	Description
Interface Description	Query the action for the video loss alarm
Interface Version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/LinkageActions
Interface request method	GET

Names	Description
How data is submitted	application/json

6.8.8.3.2 URL Description

None

6.8.8.3.3 Request Parameters

None

6.8.8.3.4 Example of Request Parameters

None

6.8.8.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Upload the photo to E-mail

Parameter names	Parameter type	Parameter location	Required	Description
				16: Linkage alarm report 24: linkage sound alarm 25: linkage light alarm 28: linkage sound alarm Monitor 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.8.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Alarm/VideoLoss/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 11,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 2,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 3,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 4,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 5,
          "ActParam": {
            "Num": 0
          }
```

```
        },
        {
          "ActID": 6,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 7,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 8,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 16,
          "ActParam": {
            "Enabled": 1
          }
        },
        {
          "ActID": 12,
          "ActParam": {
            "SelectedRecipientNum": 0
          }
        }
      ]
    }
  }
}
```

6.8.8.4 Set the Linkage Action for the Video Loss Alarm

6.8.8.4.1 Overview

Names	Description
Interface description	Set the linkage action for video loss alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.8.8.4.2 URL Description

None

6.8.8.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 24: linkage sound alarm 25: linkage light alarm 28: linkage sound alarm Monitor 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.8.8.4.4 Example for Request Parameters

```
{
  "Num": 11,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 2,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
```

```
      "ActID": 3,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 4,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 5,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 6,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 7,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 8,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 16,
      "ActParam": {
        "Enabled": 1
      }
    },
    {
      "ActID": 12,
      "ActParam": {
        "SelectedRecipientNum": 0
      }
    }
  ]
}
```


6.8.8.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.8.4.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.8.8.5 Query the Monitor Plan for the Video Loss Alarm

6.8.8.5.1 Overview

Names	Description
Interface Description	Query the monitor plan for video loss alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.8.8.5.2 URL Description

None

6.8.8.5.3 Request Parameters

None

6.8.8.5.4 Example of Request Parameters

None

6.8.8.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.8.8.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Alarm/VideoLoss/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 2,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 3,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 4,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 5,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
```

```
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 6,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 7,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 8,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      }
    ]
  }
}
```


6.8.8.6 Configure a Monitor Plan for Video Loss Alarms

6.8.8.6.1 Overview

Names	Description
Interface Description	Configure a monitor plan for video loss alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.8.8.6.2 URL Description

None

6.8.8.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.8.8.6.4 Example of Request Parameters

```
{
  "Num": 8,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 2,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 3,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 4,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 5,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
```


guest41121A 2024/11/21 09:40:03

```
    },
    {
      "ID": 6,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 7,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 8,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    }
  ]
}
```


6.8.8.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.8.8.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/VideoLoss WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.9 Image

6.9.1 Query the Image Parameter Capability of a Specified Channel

6.9.1.1 Overview

Names	Description
Interface Description	Query the image parameter capability of a specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Capabilities
Interface request method	GET
How data is submitted	application/json

6.9.1.2 URL Description

None

6.9.1.3 Request Parameters

None

6.9.1.4 Example of Request Parameters

None

6.9.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportCfg	integer	body	true	Whether the device supports image parameter configuration 0: No 1: Supported
++Enhance	object	body	true	Image enhancement capability parameters
+++ImageRotationModeNum	integer	body	true	Number of image mirroring modes supported
+++ImageRotationModeList	integer[]	body	false	List of supported image mirroring modes information This object is optional when the ImageRotationModeNum value is 0 0: Normal 3: Horizontal + vertical (180 degrees clockwise) 4:90 degrees to the right (90 degrees clockwise) 5:90 degrees left (270 degrees clockwise)
+++IsSupportSharpness	integer	body	true	Whether sharpness is supported 0: No 1: Supported
+++IsSupport2DNoiseReduce	integer	body	true	Whether 2D noise reduction is supported 0: No 1: Supported
++Focus	object	body	true	Focusing ability parameters
+++SupportFocusCfg	integer	body	true	Whether to support the Set of focus parameters The current version of NVR does not support this field. By default, 0 is used for this field 0: Not supported 1: Supported
+++FocusModeNum	integer	body	true	Number of supported focusing modes The current version of NVR is not supported. This field is filled with 0 by default
+++FocusSceneNum	integer<uint32>	body	true	Number of supported focusing scenes The current version of NVR does not support this field. By default, 0 is used for this field
++LampCtrl	object	body	true	Fill light ability parameter
+++LampNum	integer<uint32>	body	true	Number of supported fill light types 0 indicates that the device does not support the fill light
+++LampInfos	object[]	body	true	Fill light information list
++++LampType	integer	body	true	Fill light type 0: No fill light 1: white light 2: infrared light

Parameter names	Parameter type	Parameter location	Required	Description
				3: Laser 4: Infrared shield light
++++LampCtrlModeListNum	integer	body	true	Number of supported control modes
++++LampCtrlModeList	integer[]	body	false	Supported control mode Global consideration and overexposure suppression mode: the on-off light is linked with the day and night mode, and the specific intensity of the fill light is calculated by the AE algorithm Preset-road mode or preset-park mode: the on-off light is linked with the day and night mode. The specific intensity of the fill light is calculated in real time by the current variable multiplier and the Angle of the head, combined with the preset table file Manual mode: Linkage with day and night mode, the intensity of the fill light is determined by the interface Set value Manual - Forced on mode: does not work with the day and night mode, and forcibly turns on the fill light Night video detection mode: Linkage with day and night mode and intelligent virtual aperture state. The current day and night mode is night and when the intelligent virtual aperture is turned on, the fill light will be turned on, otherwise it will not be turned on, and the opening intensity will be determined by the interface Set When the value of LampCtrlModeListNum is 0, this node is optional 0: Automatic control is implemented globally 1: overexposure suppression automatic control 2: Preset control - Road mode 3: Manual control mode 4: Preset control - Park mode 5: Light-sensitive automatic mode 6: Indoor automatic mode 7: Manual - Forced on mode 8: Night video detection mode
++++SupportNearLampCfg	integer	body	true	Whether to support low light level configurable 0: Not supported 1: Supported
++++SupportMiddleLampCfg	integer	body	true	Whether to support medium light level configurable 0: Not supported 1: Supported
++++SupportFarLampCfg	integer	body	true	Support high beam level configurable 0: No 1: Supported
++++SupportSuperFarLampCfg	integer	body	true	Support or not for ultra high beam level configurable 0: No 1: Supported
++++SupportLaserAngleCfg	integer	body	true	Whether laser Angle configurable is supported 0: not supported

Parameter names	Parameter type	Parameter location	Required	Description
				1: Supported
++++LaserAngleMin	integer	body	false	Minimum laser Angle If SupportLaserAngleCfg is 0, this object is optional
++++LaserAngleMax	integer	body	false	Laser Angle Max This object is optional if SupportLaserAngleCfg is set to 0
++Exposure	object	body	true	Exposure ability parameters
+++SupportCompensation	integer	body	true	Whether exposure compensation is supported is configurable 0: No 1: Supported
+++ExposureModeNum	integer	body	true	Number of supported exposure modes
+++ExposureModeList	integer[]	body	true	Supported exposure patterns This node is optional when ExposureModeNum is set to 0 0: Automatic exposure 1: Custom exposure 2: Shutter priority 3: Aperture priority 4: Gain first 5:50Hz indoors 6:60Hz indoors 7: Manual exposure 8: Low drag
+++SupportIrisCfg	integer	body	true	Whether aperture configurable is supported The current version of NVR does not support this field. By default, 0 is used for this field 0: Not supported 1: Supported
+++IrisRangeNum	integer	body	true	Number of supported aperture values The current version of NVR is not supported. This field is 0 by default
+++MinGain	integer	body	true	Minimum value of the supported gain
+++MaxGain	integer	body	true	Maximum gain supported
+++SupportHLCCfg	integer	body	true	Whether strong light suppression sensitivity is supported is configurable The current version of the NVR does not support this field. By default, 0 is used for this field 0: Not supported 1: Supported
+++SupportMeteringCfg	integer	body	true	Whether metering control is supported is configurable 0: No 1: Supported
+++MeteringModeNum	integer	body	true	Number of supported metering control modes

Parameter names	Parameter type	Parameter location	Required	Description
+++MeteringModeList	integer[]	body	false	Metering control mode This node is optional when MeteringModeNum is 0 0: indicates the central weight 1: zone metering 2: Bright light suppression 3: Vehicle metering 4: Face metering 5: Spot metering
+++Shutter	object	body	true	Shutter
++++SupportShutterTimeCfg	integer	body	true	Whether shutter time configuration is supported 0: not supported 1: Supported
++++ShutterTimeUnit	integer	body	true	Shutter time unit Currently only seconds are supported, this field returns 1 by default 0: Microseconds 1: seconds
++++ShutterTimeRangeNum	integer	body	true	Number of supported shutter time values
++++ShutterTimeRangeList	integer[]	body	true	Shutter time supported value 0: The shutter time is automatic 1:1/1 2:1/2 3:1/3 4:1/4 6:1/6 8:1/8 10:1/10 12:1/12 15:1/15 20:1/20 25:1/25 30:1/30 50:1/50 60:1/60 100:1/100 120:1/120 150:1/150 180:1/180 200:1/200 250:1/250 500:1/500 1000:1/1000 2000:1/2000 4000:1/4000 8000:1/8000 50,000:1/50,000 100000:1/100,000
++++SupportSlowShutterCfg	integer	body	true	Whether slow shutter configurable is supported 0: No 1: Supported

Parameter names	Parameter type	Parameter location	Required	Description
++++SlowShutterTimeRangeNum	integer	body	true	Number of supported values for slow shutter time
++++SlowShutterTimeRangeList	integer[]	body	false	Supported value of slow shutter time 0: The shutter time is automatic 1:1/1 2:1/2 3:1/3 4:1/4 6:1/6 8:1/8 10:1/10 12:1/12 15:1/15 20:1/20 25:1/25
+++WideDynamic	object	body	true	Wide Dynamic
++++SupportWideDynamicCfg	integer	body	true	Whether wide dynamic configurable is supported 0: No 1: Supported
++++WideDynamicModeNum	integer	body	true	Number of wide dynamic patterns supported
++++WideDynamicModeList	integer[]	body	true	Wide Dynamic mode 0: Off 1: On 2: Automatic
+++DayNight	object	body	true	Day and night mode
++++SupportDayNightCfg	integer	body	true	Whether to support day/night mode is configurable 0: not supported 1: Supported
++++DayNightModeNum	integer	body	true	Number of day/night mode types supported
++++DayNightModeList	integer[]	body	true	Day and Night Mode Types 0: Auto mode 1: Daytime - color 2: Night - black and white 3: Linkage color to black
++++SupportSensibilityCfg	integer	body	true	Whether to support day-night mode sensitivity is configurable 0: Not supported 1: Supported
++++SupportSwitchingCfg	integer	body	true	Whether to support day/night mode switching time is configurable 0: Not supported 1: Supported
++WhiteBalance	object	body	true	White balance ability parameters

Parameter names	Parameter type	Parameter location	Required	Description
+++WhiteBalanceModeNum	integer	body	true	Number of supported white balance modes Value range: [1, 10]
+++WhiteBalanceModeList	integer[]	body	true	List of supported white balance mode information 0: Auto mode 1: Fine tuning mode 2: Indoor mode 3: Outdoor mode 4: Automatic mercury light mode 5: Night fine-tuning mode 6: Automatic sodium lamp mode 7: Lock mode

6.9.1.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportCfg": 1,
      "Enhance": {
        "ImageRotationModeNum": 1,
        "ImageRotationModeList": [
          1
        ],
        "IsSupportSharpness": 1,
        "IsSupport2DNoiseReduce": 0
      },
      "Focus": {
        "SupportFocusCfg": 1,
        "FocusModeNum": 1,
        "FocusSceneNum": 1
      },
      "LampCtrl": {
        "LampNum": 1,
        "LampInfos": [
          {
            "LampType": 1,
            "LampCtrlModeListNum": 1,
            "LampCtrlModeList": [
              0
            ],
            "SupportNearLampCfg": 0,
            "SupportMiddleLampCfg": 0,
            "SupportFarLampCfg": 0,
            "SupportSuperFarLampCfg": 1,
            "SupportLaserAngleCfg": 0,
            "LaserAngleMin": 0,
            "LaserAngleMax": 30
          }
        ]
      },
      "Exposure": {
        "SupportCompensation": 1,
```

```
            "ExposureModeNum": 1,
            "ExposureModeList": [
              0
            ],
            "SupportIrisCfg": 1,
            "IrisRangeNum": 1,
            "MinGain": 1,
            "MaxGain": 100,
            "SupportHLCCfg": 1,
            "SupportMeteringCfg": 1,
            "MeteringModeNum": 1,
            "MeteringModeList": [
              0
            ],
            "Shutter": {
              "SupportShutterTimeCfg": 1,
              "ShutterTimeUnit": 1,
              "ShutterTimeRangeNum": 1,
              "ShutterTimeRangeList": [
                4
              ],
              "SupportSlowShutterCfg": 1,
              "SlowShutterTimeRangeNum": 1,
              "SlowShutterTimeRangeList": [
                4
              ]
            },
            "WideDynamic": {
              "SupportWideDynamicCfg": 1,
              "WideDynamicModeNum": 1,
              "WideDynamicModeList": [
                2
              ]
            },
            "DayNight": {
              "SupportDayNightCfg": 1,
              "DayNightModeNum": 1,
              "DayNightModeList": [
                0
              ],
              "SupportSensibilityCfg": 1,
              "SupportSwitchingCfg": 1
            }
          },
          "WhiteBalance": {
            "WhiteBalanceModeNum": 1,
            "WhiteBalanceModeList": [
              0
            ]
          }
        }
      }
    }
```


6.9.2 Query Image Enhancement Parameters for a Specified Channel

6.9.2.1 Overview

Names	Description
Interface Description	Queries image enhancement parameters for a specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Enhance
Interface request method	GET
How data is submitted	application/json

6.9.2.2 URL Description

None

6.9.2.3 Request Parameters

None

6.9.2.4 Example of Request Parameters

None

6.9.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Brightness	integer	body	true	Brightness Value range: [0, 255]
++Contrast	integer	body	true	Contrast Value range: [0, 255]
++Saturation	integer	body	true	Saturation Value range: [0, 255]
++Sharpness	integer	body	true	Sharpness Value range: [0, 255]
++ImageRotation	integer	body	true	Image Mirror Mode 0: Normal 3: Horizontal + vertical (180 degrees clockwise) 4:90 degrees to the right (90 degrees clockwise)

Parameter names	Parameter type	Parameter location	Required	Description
				5:90 degrees left (270 degrees clockwise)
++2DNoiseReduce	integer	body	true	2D Noise reduction Value range: [0, 255]

6.9.2.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Enhance",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Brightness": 128,
      "Contrast": 128,
      "Saturation": 128,
      "Sharpness": 128,
      "ImageRotation": 1,
      "2DNoiseReduce": 128
    }
  }
}
```

6.9.3 Set the Image Enhancement Parameters for the Specified Channel

6.9.3.1 Overview

Names	Description
Interface Description	Set the image enhancement parameters for the specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Enhance
Interface request method	PUT
Data submission method	application/json

6.9.3.2 URL Description

None

6.9.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Brightness	integer	body	true	Brightness Value range: [0, 255]

Parameter Names	Parameter type	Parameter location	Required	Description
Contrast	integer	body	true	Contrast Value range: [0, 255]
Saturation	integer	body	true	Saturation Value range: [0, 255]
Sharpness	integer	body	true	Sharpness Value range: [0, 255]
ImageRotation	integer	body	true	Image Mirror Mode 0: Normal 3: Horizontal + vertical (180 degrees clockwise) 4:90 degrees to the right (90 degrees clockwise) 5:90 degrees left (270 degrees clockwise)
2DNoiseReduce	integer	body	true	2D Noise reduction Value range: [0, 255]

6.9.3.4 Example of Request Parameters

```
{
   "Brightness": 128,
   "Contrast": 128,
   "Saturation": 128,
   "Sharpness": 128,
   "ImageRotation": 1,
   "2DNoiseReduce": 128,
   "3DNoiseReduce": 128
}
```

6.9.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.9.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Enhance",
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.9.4 Query Image Exposure Parameters

6.9.4.1 Overview

Names	Description
Interface Description	Queries image exposure parameters for a specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure
Interface request method	GET
How data is submitted	application/json

6.9.4.2 URL Description

None

6.9.4.3 Request Parameters

None

6.9.4.4 Example of Request Parameters

None

6.9.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Mode	integer	body	true	Exposure mode Mode enumeration Searchable interface: Return result of querying Image parameter capability

Parameter name	Parameter type	Parameter location	Required	Description
				(/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
++CompensationLevel	integer	body	false	Exposure compensation levels Available when the exposure mode is non-manual exposure mode This feature is supported by the Image Capability set. This field is required Value range: [-100, 100]
++ShutterInfo	object	body	true	Shutter information
+++Shutter	integer	body	true	Shutter time Available in shutter priority mode, manual exposure mode, Low drag mode Value enumeration value and unit searchable interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) returned results This field is required
+++MinShutter	integer	body	true	Minimum shutter time Available in custom exposure mode, must not be greater than the maximum shutter time Enumerating the query interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result This field is required
+++MaxShutter	integer	body	true	Maximum shutter time Available in custom exposure mode, must not be less than the minimum shutter time Enumerations can be queried interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result This field is required
+++IsEnableSlowShutter	integer	body	true	Slow shutter enable This field is required 0: Disabled 1: enabled
+++SlowestShutter	integer	body	true	The slowest shutter Slow shutter is available when enabled Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required
++GainInfo	object	body	true	Gain information
+++Gain	integer	body	true	Gain value (in db) Available in manual exposure mode Specific enumeration value and range can be queried interface: Query the Image parameter capability of the

Parameter name	Parameter type	Parameter location	Required	Description
				specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result This field is required
+++MinGain	integer	body	true	Gain minimum Available in custom exposure mode, must not be greater than the maximum gain Range searchable interface: Returns the capability to query the Image parameters of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) This field is required
+++MaxGain	integer	body	true	Maximum gain Available in custom exposure mode, not less than the gain minimum Range searchable interface: Return result of querying Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel This field is required
++WideDynamic	object	body	true	Wide dynamic information
+++Mode	integer	body	true	Wide Dynamic mode Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel
+++Level	integer	body	true	Wide dynamic level configuration Wide Dynamic on and available in exposure mode Auto Mode, Custom, Shutter Priority, indoor 50HZ, indoor 60HZ, Low drag Value range: [1, 9]
+++OpenSensitivity	integer	body	false	Wide dynamic open sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+++CloseSensitivity	integer	body	false	Wide dynamic off sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+++SmartSensitivity	integer	body	false	Smart wide dynamic sensitivity Wide dynamic mode for intelligent must carry, range: [1, 9]
++Metering	object	body	false	Metering information
+++Mode	integer<uint32>	body	false	Metering control mode This field is available in non-manual exposure mode Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required
+++RefBrightness	integer<uint32>	body	false	Face brightness

Parameter name	Parameter type	Parameter location	Required	Description
				Available in face metering mode Value range: [0, 100]
+++HoldTime	integer<uint32>	body	false	Minimum duration Available in face metering mode, unit: minutes Value range: [0, 60]
+++Area	object	body	true	Metering area This field is available when the metering mode is area metering and point metering
++++TopLeft	object	body	false	Top-left coordinates
+++++X	integer<uint32>	body	false	Top left abscissa (scale) Value range: [0, 100]
+++++Y	integer<uint32>	body	false	Top left ordinate Value range: [0, 100]
++++BottomRight	object	body	false	Bottom-right coordinates
+++++X	integer<uint32>	body	false	The bottom right corner abscissa (scale), must not be less than the top left abscissa Value range: [0, 100]
+++++Y	integer<uint32>	body	false	Bottom right corner ordinate (scale), not less than the top left ordinate Value range: [0, 100]
++DayNight	object	body	true	Day and night mode information
+++Mode	integer	body	true	Day and Night Mode Types Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required
+++Sensitivity	integer	body	true	Day-night mode sensitivity Available when day/night mode is automatic This field is required 0: Ultra-low 1: Low 5: Medium 9: High
+++Time	integer	body	true	Day/night mode Switch time Available when day/night mode is Auto mode, in seconds This field is mandatory Value range: [3, 120]
++LinearAntiFlicker	integer	body	false	Linear stripe suppression level Range: [1, 9] Image Capability Set LinearAntiFlickerList supports this feature, this field is required

6.9.4.6 Example of Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Mode": 0,
      "CompensationLevel": 0,
      "ShutterInfo": {
        "Shutter": 0,
        "MinShutter": 0,
        "MaxShutter": 30,
        "IsEnableSlowShutter": 1,
        "SlowestShutter": 20
      },
      "GainInfo": {
        "Gain": 0,
        "MinGain": 0,
        "MaxGain": 30
      },
      "WideDynamic": {
        "Mode": 1,
        "Level": 1,
        "OpenSensitivity": 1,
        "CloseSensitivity": 1,
        "SmartSensitivity": 1
      },
      "Metering": {
        "Mode": 1,
        "RefBrightness": 1,
        "HoldTime": 1,
        "Area": {
          "TopLeft": {
            "X": 25,
            "Y": 25
          },
          "BottomRight": {
            "X": 75,
            "Y": 75
          }
        }
      },
      "DayNight": {
        "Mode": 2,
        "Sensitivity": 4,
        "Time": 3
      },
      "LinearAntiFlicker": 1
    }
  }
}
```


6.9.5 Set Image Exposure Parameters

6.9.5.1 Overview

name	Description
Interface Description	Set image exposure parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure
Interface request method	PUT
Data submission method	application/json

6.9.5.2 URL Description

None

6.9.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Mode	integer	body	true	Exposure mode Mode enumeration Searchable interface: Return result of querying Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
CompensationLevel	integer	body	false	Exposure compensation levels Available when the exposure mode is non-manual exposure mode Image Capability set supports this function. This field is mandatory Value range: [-100, 100]
ShutterInfo	object	body	true	Shutter information
+Shutter	integer	body	true	Shutter time Available in shutter priority mode, manual exposure mode, Low drag mode Value enumeration value and unit searchable interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) returned results This field is required
+MinShutter	integer	body	true	Minimum shutter time Available in custom exposure mode, must not be greater than the maximum shutter time Enumerating the query interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result This field is required
+MaxShutter	integer	body	true	Maximum shutter time Available in custom exposure mode, must not be less than the minimum shutter time Enumerations can be queried interface: Query the Image parameter capability of the specified channel

Parameter Names	Parameter type	Parameter location	Required	Description
				(/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result This field is required
+IsEnableSlowShutter	integer	body	true	Slow shutter enable This field is required 0: Disabled 1: enabled
+SlowestShutter	integer	body	true	The slowest shutter Slow shutter is available when enabled Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required
GainInfo	object	body	true	Gain information
+Gain	integer	body	true	Gain value (in db) Available in manual exposure mode Specific enumeration value and range can be queried interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result This field is required
+MinGain	integer	body	true	Gain minimum Available in custom exposure mode, must not be greater than the maximum gain Range-searchable interface: Return result of querying Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel This field is required
+MaxGain	integer	body	true	Maximum gain Available in custom exposure mode, not less than the gain minimum Range searchable interface: Return result of querying Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel This field is required
WideDynamic	object	body	true	Wide dynamic information
+Mode	integer	body	true	Wide Dynamic mode Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel
+Level	integer	body	true	Wide dynamic level configuration Wide Dynamic on and available in exposure mode Auto Mode, Custom, Shutter Priority, indoor 50HZ, indoor 60HZ, Low drag Value range: [1, 9]

Parameter Names	Parameter type	Parameter location	Required	Description
+OpenSensitivity	integer	body	false	Wide dynamic open sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+CloseSensitivity	integer	body	false	Wide dynamic off sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+SmartSensitivity	integer	body	false	Intelligent wide dynamic sensitivity Wide dynamic mode for intelligent must carry, range: [1, 9]
Metering	object	body	false	Metering information
+Mode	integer<uint32>	body	false	Metering control mode This field is available in non-manual exposure mode Enumerating queriable interfaces: Returns the result of querying the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required
+RefBrightness	integer<uint32>	body	false	Face brightness Available in face metering mode Value range: [0, 100]
+HoldTime	integer<uint32>	body	false	Minimum duration Available in face metering mode, unit: minutes Value range: [0, 60]
+Area	object	body	true	Metering area This field is available when the metering mode is area metering and spot metering
++TopLeft	object	body	false	Top-left coordinate
+++X	integer<uint32>	body	false	Top left abscissa (scale) Value range: [0, 100]
+++Y	integer<uint32>	body	false	Top left ordinate (scale) Value range: [0, 100]
++BottomRight	object	body	false	Bottom-right coordinates
+++X	integer<uint32>	body	false	The bottom right corner abscissa (scale), must not be less than the top left abscissa Value range: [0, 100]
+++Y	integer<uint32>	body	false	Bottom right corner ordinate (scale), not less than the top left ordinate Value range: [0, 100]
DayNight	object	body	true	Day and night mode information
+Mode	integer	body	true	Day and Night Mode Types Enumerating queriable interfaces: Returns the result of querying the Image parameter capability

Parameter Names	Parameter type	Parameter location	Required	Description
				(/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required
+Sensitivity	integer	body	true	Day-night mode sensitivity Available when day/night mode is automatic This field is mandatory 0: Ultra-low 1: Low 5: Medium 9: High
+Time	integer	body	true	Day/night mode Switch time Available when day/night mode is Auto mode, in seconds This field is required Value range: [3, 120]
LinearAntiFlicker	integer	body	false	Linear stripe suppression level Range: [1, 9] Image Capability Set LinearAntiFlickerList supports this feature, this field is required

6.9.5.4 Example of Request Parameters

```
{
   "Mode": 0,
   "CompensationLevel": 0,
   "ShutterInfo": {
      "Shutter": 0,
      "MinShutter": 0,
      "MaxShutter": 30,
      "IsEnableSlowShutter": 1,
      "SlowestShutter": 20
   },
   "GainInfo": {
      "Gain": 0,
      "MinGain": 0,
      "MaxGain": 30
   },
   "WideDynamic": {
      "Mode": 1,
      "Level": 1,
      "OpenSensitivity": 1,
      "CloseSensitivity": 1,
      "SmartSensitivity": 1
   },
   "Metering": {
      "Mode": 1,
      "RefBrightness": 1,
      "HoldTime": 1,
      "Area": {
         "TopLeft": {
            "X": 25,
            "Y": 25
         },
         "BottomRight": {
            "X": 75,
```

```
            "Y": 75
          }
        }
    },
    "DayNight": {
        "Mode": 2,
        "Sensitivity": 4,
        "Time": 3
    },
    "LinearAntiFlicker": 1
}
```

6.9.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.9.5.6 Return Parameters Example

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure".
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {}
    }
}
```

6.9.6 Set Default Values for Image Parameters

6.9.6.1 Overview

name	Description
Interface Description	Set the default values of the image parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/ImageParamReset
Interface request method	PUT

name	Description
Data submission method	application/json

6.9.6.2 URL Description

None

6.9.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Type	integer	body	true	Parameter restores to default values NVR only parses, do not process this field for the time being, just fill in 0 0: Video The configuration of the video 1: Configuration of Photo image

6.9.6.4 Example of request parameters

```
{
   "Type": 0
}
```

6.9.6.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.9.6.6 Return Parameters Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/ImageParamReset",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.9.7 Fill Light Control

6.9.7.1 Query the Fill Light Parameters of a Specified Video Input Channel

6.9.7.1.1 Overview

name	Description
Interface Description	Query the fill light parameters for a specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/LampCtrl
Interface request method	GET
How data is submitted	application/json

6.9.7.1.2 URL Description

None

6.9.7.1.3 Request Parameters

None

6.9.7.1.4 Example of Request Parameters

None

6.9.7.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Fill light enable switch 0: Off 1: On
++Type	integer	body	true	Fill light type 0: No fill light 1: white light 2: infrared light

Parameter Names	Parameter type	Parameter location	Required	Description
				3: Laser 4: Infrared shield light 5: external warm light 6: Dual light source lamp (white + infrared) 8: Smart white light
++Mode	integer	body	true	Fill light control mode Global consideration and overexposure suppression mode: on and off lights and day and night mode linkage, the specific fill light intensity calculated by AE algorithm Preset-road mode or preset-park mode: the on-off light is linked with the day and night mode. The specific intensity of the fill light is calculated in real time by the current variable multiplier and the Angle of the head, combined with the preset table file Manual mode: Linkage with day and night mode, the intensity of the fill light is determined by the interface Set Manual - Forced on mode: does not work with the day and night mode, and forcibly turns on the fill light Night video detection mode: Linkage with day and night mode and intelligent virtual aperture state. The current day and night mode is night and when the intelligent virtual aperture is turned on, the fill light will be turned on, otherwise it will not be turned on, and the opening intensity will be determined by the interface Set 0: overall automatic control 1: overexposure suppression automatic control 2: Preset control - Road mode 3: Manual control mode 4: Preset control - Park mode 5: Light-sensitive automatic mode 6: Indoor automatic mode 7: Manual - Forced on mode 8: Night video detection mode
++NearLevel	integer	body	true	Low light level This field is available in infrared control mode Manual control, external warm light mode manual control and manual - force on mode Range: [0, 1000] The higher the level, the greater the fill light intensity This field is required. The fill light capability set supports this function
++MiddleLevel	integer	body	true	Medium light level, the higher the level, the greater the fill light intensity In the infrared control mode for manual control and manual - forced open mode available Range: [0, 1000] The fill light capability set supports this function. This field is required
++FarLevel	integer	body	true	High beam level Available in infrared control mode manual control and manual - force on mode Range: [0, 1000] The higher the level, the greater the fill light intensity This field is required. The fill light capability set supports this function

Parameter Names	Parameter type	Parameter location	Required	Description
++SuperFarLevel	integer	body	true	Super far high beam level Available in infrared control mode for manual control and manual - force on mode Range: [0, 1000] The higher the level, the greater the fill light intensity This field is required. The fill light capability set supports this function
++LaserAngle	integer	body	true	Laser Angle Available when the fill light type is laser and the infrared control mode is manual control and manual - force on mode The smaller the laser Angle, the more concentrated the energy, and the larger the Angle, the more dispersed the energy Specific range can be queried interface: query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The fill light capability set supports this function. This field is required

6.9.7.1.6 Examples for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/LampCtrl",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Type": 1,
      "Mode": 0,
      "NearLevel": 5,
      "MiddleLevel": 5,
      "FarLevel": 0,
      "SuperFarLevel": 5,
      "LaserAngle": 5
    }
  }
}
```

6.9.7.2 Set the Fill Light Parameters for the Specified Video Input Channel

6.9.7.2.1 Overview

Names	Description
Interface Description	Set the fill light parameters for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/LampCtrl
Interface request method	PUT

Names	Description
Data submission method	application/json

6.9.7.2.2 URL Description

None

6.9.7.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Fill light enable switch 0: Off 1: Enable
Type	integer	body	true	Fill light type 0: No fill light 1: white light 2: infrared light 3: Laser 4: Infrared shield light 5: external warm light 6: Dual light source lamp (white + infrared) 8: Smart white light
Mode	integer	body	true	Fill light control mode Global consideration and overexposure suppression mode: on and off lights and day and night mode linkage, the specific fill light intensity calculated by AE algorithm Preset-road mode or preset-park mode: the on-off light is linked with the day and night mode. The specific intensity of the fill light is calculated in real time by the current variable multiplier and the Angle of the head, combined with the preset table file Manual mode: Linkage with day and night mode, the intensity of the fill light is determined by the interface Set value Manual - Forced on mode: does not work with the day and night mode, and forcibly turns on the fill light Night video detection mode: Linkage with day and night mode and intelligent virtual aperture state. The current day and night mode is night and when the intelligent virtual aperture is turned on, the fill light will be turned on, otherwise it will not be turned on, and the opening intensity will be determined by the interface Set 0: overall automatic control 1: overexposure suppression automatic control 2: Preset control - Road mode 3: Manual control mode 4: Preset control - Park mode 5: Light-sensitive automatic mode 6: Indoor automatic mode 7: Manual - Forced on mode 8: night video detection mode
NearLevel	integer	body	true	Low light level This field is available in infrared control mode Manual control, external warm light mode manual control and manual - force on mode Range: [0, 1000]

Parameter Name	Parameter type	Parameter location	Required	Description
				The higher the level, the greater the fill light intensity This field is required. The fill light capability set supports this function
MiddleLevel	integer	body	true	Medium light level, the higher the level, the greater the fill light intensity In the infrared control mode for manual control and manual - forced open mode available Range: [0, 1000] The fill light capability set supports this function. This field is required
FarLevel	integer	body	true	High beam level Available in infrared control mode manual control and manual - force on mode Range: [0, 1000] The higher the level, the greater the fill light intensity This field is required. The fill light capability set supports this function
SuperFarLevel	integer	body	true	Super far high beam level Available in infrared control mode manual control and manual - force on mode Range: [0, 1000] The higher the level, the greater the fill light intensity This field is required. The fill light capability set supports this function
LaserAngle	integer	body	true	Laser Angle Available when the fill light type is laser and the infrared control mode is manual control and manual - force on mode The smaller the laser Angle, the more concentrated the energy, and the larger the Angle, the more dispersed the energy Specific range can be queried interface: query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The fill light capability set supports this function. This field is required

6.9.7.2.4 Example of Request Parameters

```
{
   "Enabled": 1,
   "Type": 1,
   "Mode": 0,
   "NearLevel": 5,
   "MiddleLevel": 5,
   "FarLevel": 0,
   "SuperFarLevel": 5,
   "LaserAngle": 5
}
```

6.9.7.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.9.7.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/LampCtrl",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10 Intelligence

6.10.1 Abilities

6.10.1.1 Query Channel Smart Capability Set

6.10.1.1.1 Overview

Names	Description
Interface Description	Query channel Smart capability set
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/Capabilities
Interface request method	GET
How data is submitted	application/json

6.10.1.1.2 URL Description

None

6.10.1.1.3 Request Parameters

None

6.10.1.1.4 Example of Request Parameters

None

6.10.1.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++FaceDetection	object	body	true	Face detection ability
+++IsSupport	integer	body	true	Face detection ability Whether Smart face detection is supported 0: No 1: Supported
+++QualityAnalysisIsSupport	integer	body	false	Whether the device has face quality priority (report pictures) ability 0: The capability is not supported 1: The capability is supported
+++FaceQualityAnalysisType	integer	body	false	Face quality priority type 0: Front face quality priority 1: Center face quality priority
+++AttributeAnalysisIsSupport	integer	body	false	Whether the device has the ability to analyze (report) face attributes 0: This capability is not supported 1: The capability is supported
+++AttributeAnalysisSkills	integer	body	false	Face analytical list, set face analytical skills when FaceAttributeAnalysisSupported as "0", the object can not exist Generate decimal results based on flag bits 0: Age identifier bit 1: Gender identifier bit 2: Reserved 3: Glasses identification bit 4: mask identifier 5: beard identifier 6: Hat identifier bit 7: Hair logo bit 8: Expression identifier bit 9: Appearance level identifier bit
+++FeatureIsSupport	integer	body	false	Face feature value extraction ability Whether the device has the face binary feature extraction (reporting) ability

Parameter name	Parameter type	Parameter location	Required	Description
				0: The capability is not supported 1: The capability is supported
+++RecognitionIsSupport	integer	body	false	Whether the device has face recognition capability 0: The capability is not supported 1: The capability is supported
+++FaceRecognitionType	integer	body	false	Face recognition types 0: Front-end face recognition 1: Center face recognition
++IntrusionDetection	object	body	true	Zone intrusion ability
+++SupportCfg	integer	body	true	Zone intrusion capability, whether to support zone intrusion 0: not supported 1: Supported
+++Mode	integer	body	false	Smart Mode 0: Pan-Intelligence 1: Deep intelligence
+++SupportBoxDomeLink	integer	body	true	Master/Slave linkage Indicates whether to support master/slave linkage 0: No 1: Supported
+++SupportTrackLink	integer	body	true	Linkage tracking capability: Whether linkage tracking is supported 0: No 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
++CrossLineDetection	object	body	true	Cross Line detection ability
+++SupportCfg	integer	body	true	Outbound detection capability: Whether the outbound detection is supported 0: No 1: Supported
+++Mode	integer	body	true	Smart Mode 0: Pan-Intelligence 1: Deep intelligence
+++SupportBoxDomeLink	integer	body	true	Whether to support working master/slave 0: No 1: Supported

Parameter name	Parameter type	Parameter location	Required	Description
+++SupportTrackLink	integer	body	true	Whether linkage tracking is supported 0: No 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
++PassengerFlow	object	body	true	Foot traffic detection capability
+++IsSupport	integer	body	true	Whether foot traffic detection is supported 0: No 1: Supported
++AccessZone	object	body	true	Enter the zone to detect ability
+++SupportCfg	integer	body	true	Whether access zone detection is supported 0: No 1: Supported
+++Mode	integer	body	true	Smart Mode 0: Pan-intelligence 1: Deep intelligence
+++SupportBoxDomeLink	integer	body	true	Whether to support working master/slave 0: No 1: Supported
+++SupportTrackLink	integer	body	true	Whether linkage tracking is supported 0: No 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
++LeaveZone	object	body	true	Leave zone detection ability
+++SupportCfg	integer	body	true	Whether Leave zone detection is supported 0: No 1: Supported

Parameter name	Parameter type	Parameter location	Required	Description
+++Mode	integer	body	false	Smart Mode 0: Pan-Intelligence 1: Deep intelligence
+++SupportBoxDomeLink	integer	body	true	Whether to support working master/slave 0: No 1: Supported
+++SupportTrackLink	integer	body	true	Whether linkage tracking is supported 0: No 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: not supported 1: Supported
++LinesPeopleCounting	object	body	true	Trip wire head count ability
+++SupportLinesPeopleCounting	integer	body	true	Whether to support People Count 0: No 1: Supported
+++SupportDeduplication	integer	body	true	Whether to support deduplication area detection 0: No 1: Supported
+++MaxLineNum	integer	body	true	The device supports a maximum number of rules for Configure trip wires Default: 1
++AreasPeopleCounting	object	body	true	Area head count ability
+++SupportAreasPeopleCounting	integer	body	true	Whether to support regional head count 0: No 1: Supported
+++MaxAreaNum	integer	body	true	The device supports a maximum number of area rules Default: 1
++CrowdDensity	object	body	true	Ability to detect People density
+++SupportCrowdDensity	integer	body	true	Whether to support People density detection 0: No 1: Supported
++FlameAndFumesDetection	object	body	true	Fireworks detection ability
+++IsSupported	integer	body	true	Whether or not fireworks detection is supported

Parameter name	Parameter type	Parameter location	Required	Description
				0: No 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
++FallingObjectsDetection	object	body	true	High altitude throwing detection capability
+++SupportFallingObjectsDetection	integer	body	true	Whether to support high-altitude throwing detection 0: No 1: Supported
++SmartMotionDetection	object	body	true	Intelligent motion detection ability
+++SupportCfg	integer	body	true	Whether front-end intelligent motion detection is supported 0: No 1: Supported
+++SupportDetectObjectList	integer[]	body	true	Support detection object list The list has 3 members, corresponding to motor vehicles, non-motor vehicles and pedestrians respectively 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
+++SupportAnalysisModeList	integer[]	body	false	List of supported analysis modes. Required if SupportCfg is 1 The members are enumerated as follows: 0: Local mode
++FallDetection	object	body	true	Fall detection ability
+++IsSupport	integer	body	true	Whether fall detection is supported 0: No 1: Supported
++VehicleRecognition	object	body	true	License plate recognition ability

Parameter name	Parameter type	Parameter location	Required	Description
+++SupportVehicleRecognition	integer	body	true	Whether or not license plate recognition is supported 0: No 1: Supported
++FightDetection	object	body	true	Fight detection ability
+++IsSupport	integer	body	true	Fight detection ability, ability configuration 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Monitor plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
++ClimbingDetection	object	body	true	Climbing detection ability
+++SupportCfg	integer	body	true	Whether the climb detection configuration is supported 0: No 1: Supported
++SleepingDetection	object	body	true	Sleeping post detection ability
+++SupportCfg	integer	body	true	Whether the sleeping post detection configuration is supported 0: No 1: Supported
++OffDutyDetection	object	body	true	Off-duty detection ability
+++IsSupport	integer	body	true	Whether the off-duty detection configuration is supported 0: not supported 1: Supported
++ReflectClothesDetection	object	body	true	Reflective suit detection ability
+++IsSupport	integer	body	true	Whether the reflective suit detection configuration is supported 0: No 1: Supported

6.10.1.1.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/Capabilities",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

```
"Data": {
  "FaceDetection": {
    "IsSupport": 1,
    "QualityAnalysisIsSupport": 1,
    "FaceQualityAnalysisType": 0,
    "AttributeAnalysisIsSupport": 0,
    "AttributeAnalysisSkills": 0,
    "FeatureIsSupport": 0,
    "RecognitionIsSupport": 1,
    "FaceRecognitionType": 1,
    "PupilDistanceSizeNum": 5,
    "PupilDistanceSizeList": [
      {
        "Resolution": {
          "Width": 2304,
          "Height": 1296
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 1920,
          "Height": 1080
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 1280,
          "Height": 720
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 720,
          "Height": 576
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 640,
          "Height": 360
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      }
```

```
        ]
      },
      "AttributeCollect": {
        "FaceAttributeNum": 0,
        "FaceAttributeList": []
      },
      "IntrusionDetection": {
        "SupportCfg": 1,
        "Mode": 1,
        "SupportBoxDomeLink": 0,
        "SupportTrackLink": 1,
        "LinkagePlanCfg": {
          "SupportAudioLinkagePlan": 0,
          "SupportLightLinkagePlan": 0
        },
        "SupportDetectObjectList": [
          1,
          2,
          3
        ]
      },
      "CrossLineDetection": {
        "SupportCfg": 1,
        "Mode": 1,
        "SupportBoxDomeLink": 0,
        "SupportTrackLink": 1,
        "LinkagePlanCfg": {
          "SupportAudioLinkagePlan": 0,
          "SupportLightLinkagePlan": 0
        },
        "SupportDetectObjectList": [
          1,
          2,
          3
        ]
      },
      "LeaveZone": {
        "SupportCfg": 1,
        "Mode": 1,
        "SupportBoxDomeLink": 0,
        "SupportTrackLink": 1,
        "LinkagePlanCfg": {
          "SupportAudioLinkagePlan": 0,
          "SupportLightLinkagePlan": 0
        },
        "SupportDetectObjectList": [
          1,
          2,
          3
        ]
      },
      "AccessZone": {
        "SupportCfg": 1,
        "Mode": 1,
        "SupportBoxDomeLink": 0,
        "SupportTrackLink": 1,
        "LinkagePlanCfg": {
          "SupportAudioLinkagePlan": 0,
          "SupportLightLinkagePlan": 0
        },
        "SupportDetectObjectList": [
          1,
```

```
            2,
            3
        ]
    },
    "PassengerFlow": {
        "IsSupport": 0
    },
    "DefocusDetection": {
        "IsSupport": 0
    },
    "SceneChange": {
        "IsSupport": 0
    },
    "ObjTrack": {
        "IsSupport": 1,
        "SupportWeekPlan": 1,
        "SupportAudioLinkagePlan": 0,
        "SupportLightLinkagePlan": 0,
        "Mode": [
            1
        ],
        "OverAll": {
            "TrackTimeMin": 1,
            "TrackTimeMax": 300
        }
    },
    "RemainArticle": {
        "IsSupport": 1,
        "ThresholdMin": 5,
        "ThresholdMax": 20
    },
    "RemoveArticle": {
        "IsSupport": 1,
        "ThresholdMin": 5,
        "ThresholdMax": 20
    },
    "SmartMotionDetection": {
        "SupportCfg": 0,
        "SupportDetectObjectList": [
            0,
            0,
            0
        ],
        "LinkagePlanCfg": {
            "SupportAudioLinkagePlan": 0,
            "SupportLightLinkagePlan": 0
        }
    },
    "SafetyHat": {
        "IsSupport": 1
    },
    "WorkClothes": {
        "IsSupport": 1
    },
    "PhoneDetection": {
        "IsSupport": 1
    },
    "SmokeDetection": {
        "IsSupport": 0
    },
    "SmokeFireDetection": {
        "IsSupport": 0
```

```
},
"DeepmoveDetection": {
  "IsSupport": 1
},
"ChefDetection": {
  "IsSupport": 1
},
"FightDetection": {
  "IsSupport": 1
},
"LinesPeopleCounting": {
  "SupportLinesPeopleCounting": 1,
  "SupportDeduplication": 0,
  "MaxLineNum": 1,
  "IsSupportStatisticType": 1,
  "IsSupportTimingReset": 1
},
"AreasPeopleCounting": {
  "SupportAreasPeopleCounting": 1,
  "MaxAreaNum": 1
},
"CrowdDensity": {
  "SupportCrowdDensity": 1
},
"EletroMobileDetection": {
  "SupportCfg": 0
},
"FallingObjectsDetection": {
  "SupportFallingObjectsDetection": 0
},
"MasterSlaveLinkage": {
  "SupportMode": 0
},
"FlameAndFumesDetection": {
  "IsSupported": 0
},
"HeatMap": {
  "IsSupport": 1
},
"MaskDetection": {
  "IsSupport": 1
},
"FallDetection": {
  "IsSupport": 1
},
"StayDetection": {
  "IsSupport": 1
},
"MixDetection": {
  "IsSupported": 0
},
"TrafficMonitoring": {
  "IsSupported": 0,
  "DetectionType": 0,
  "MaxRuleNum": 0,
  "MaxLaneNum": 0
},
"OffDutyDetection": {
  "IsSupport": 1
},
"ReflectClothesDetection": {
  "IsSupport": 1
```

```
        },
        "ClimbingDetection": {
          "SupportCfg": 1
        },
        "SleepingDetection": {
          "SupportCfg": 1
        },
        "VehicleRecognition": {
          "SupportVehicleRecognition": 0
        }
      }
    }
}
```


6.10.2 Access Elevator Detection

6.10.2.1 Get the Access Elevator Detection Configuration of a Specified Channel

6.10.2.1.1 Overview

Names	Description
Interface Description	Get the Access Elevator Detection Configuration of a Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule
Interface request method	GET
How data is submitted	application/json

6.10.2.1.2 URL Description

None

6.10.2.1.3 Request Parameters

None

6.10.2.1.4 Example of Request Parameters

None

6.10.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Access Elevator Detection is enabled 0: disabled 1: enabled

6.10.2.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 1
      }
   }
}
```

6.10.2.2 Set the Configuration Information of Access Elevator Detection in the Specified Video Input Channel

6.10.2.2.1 Overview

Names	Description
Interface Description	Set the configuration information about access elevator detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule
Interface request method	PUT
Data submission method	application/json

6.10.2.2.2 URL Description

None

6.10.2.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Access Elevator Detection is enabled

Parameter Names	Parameter type	Parameter location	Required	Description
				0: disabled 1: enabled

6.10.2.2.4 Example of Request Parameters

```
{
   "Enabled": 1
}
```

6.10.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.2.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.2.3 Get the Information About the Specified Area of the Access Elevator Detection in the Specified Video Input Channel

6.10.2.3.1 Overview

Names	Description
Interface Description	Get information about the specified area of the incoming Access Elevator Detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>

Names	Description
Interface request method	GET
How data is submitted	application/json

6.10.2.3.2 URL Description

None

6.10.2.3.3 Request Parameters

None

6.10.2.3.4 Example of Request Parameters

None

6.10.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Same as the zone number carried in the URL
++Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
++Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6]
++PointList	object[]	body	false	Detect the vertex coordinates of the area graph. When PointNum is 0, this node is optional
+++X	integer	body	true	X-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++Num	integer	body	true	Detects the number of target types

Parameter names	Parameter type	Parameter location	Required	Description
++DetectTargetList	object[]	body	false	Detects the target information array. This parameter is mandatory when Num is greater than 0
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Battery car 1: Bicycle
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target altitude, 10,000 to 10,000 Value range: [0, 9999]

6.10.2.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 1,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Num": 3,
      "DetectTargetList": [
        {
          "Enabled": 1,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
```

```
            "Height": 5000
          }
        }
      ]
    }
  }
}
```

6.10.2.4 Set the Specified Area Information for the Access Elevator Detection in the Specified Video Input Channel

6.10.2.4.1 Overview

Names	Description
Interface Description	Set the specified area information for the access elevator detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>
Interface request method	PUT
Data submission method	application/json

6.10.2.4.2 URL Description

None

6.10.2.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detection area index Same as the zone number carried in the URL
Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6]
PointList	object[]	body	true	Detects the vertex coordinates of the area graph. When PointNum is 0, this node is optional
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Detects the number of target types
DetectTargetList	object[]	body	false	Detects the target information array. This parameter is mandatory when Num is greater than 0
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Battery car 1: Bicycle
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.2.4.4 Example of Request Parameters

```
{
"ID": 0,
"Enabled": 1,
"Sensitivity": 92,
"PointNum": 4,
"PointList": [
    {
        "X": 283,
        "Y": 422
    },
    {
        "X": 169,
        "Y": 9706
    },
    {
        "X": 9659,
        "Y": 9836
    },
    {
        "X": 9545,
        "Y": 649
    }
],
"Num": 3,
"DetectTargetList": [
    {
```

```
      "Enabled": 1,
      "Type": 0,
      "ObjectMaxSize": {
        "Width": 10000,
        "Height": 10000
      },
      "ObjectMinSize": {
        "Width": 105,
        "Height": 186
      }
    },
    {
      "Enabled": 1,
      "Type": 1,
      "ObjectMaxSize": {
        "Width": 10000,
        "Height": 10000
      },
      "ObjectMinSize": {
        "Width": 105,
        "Height": 186
      }
    },
    {
      "Enabled": 0,
      "Type": 2,
      "ObjectMaxSize": {
        "Width": 10000,
        "Height": 10000
      },
      "ObjectMinSize": {
        "Width": 105,
        "Height": 186
      }
    }
  ]
}
```


6.10.2.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.2.4.6 Examples of Return Parameters


```
{
```

```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>".
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.2.5 Query the Linkage Action for Access Elevator Detection

6.10.2.5.1 Overview

Names	Description
Interface Description	Query the linkage action for Access Elevator Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.10.2.5.2 URL Description

None

6.10.2.5.3 Request Parameters

None

6.10.2.5.4 Example of Request Parameters

None

6.10.2.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter names	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	If Num is 0, this node is not required
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Preview the linkage NVR 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.2.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/AccessElevator/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 9,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 2,
          "ActParam": {
```

```
            "Enabled": 0
          }
        },
        {
          "ActID": 3,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 4,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 5,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 7,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 16,
          "ActParam": {
            "Enabled": 1
          }
        },
        {
          "ActID": 12,
          "ActParam": {
            "SelectedRecipientNum": 0
          }
        }
      ]
    }
  }
}
```


6.10.2.6 Set the Linkage Action for Access Elevator Detection

6.10.2.6.1 Overview

Names	Description
Interface Description	Set the linkage action for access elevator detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.10.2.6.2 URL Description

None

6.10.2.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: Linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameter configuration varies according to different linkage items. For details, see 7.2.1 Alarm Linkage Action Parameter Table

6.10.2.6.4 Example of Request Parameters

```
{
  "Num": 11,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
```

```
{
  "ActID": 2,
  "ActParam": {
    "Enabled": 0
  }
},
{
  "ActID": 3,
  "ActParam": {
    "Num": 0
  }
},
{
  "ActID": 4,
  "ActParam": {
    "Num": 0
  }
},
{
  "ActID": 5,
  "ActParam": {
    "Num": 0
  }
},
{
  "ActID": 7,
  "ActParam": {
    "Enabled": 0
  }
},
{
  "ActID": 16,
  "ActParam": {
    "Enabled": 1
  }
},
{
  "ActID": 12,
  "ActParam": {
    "SelectedRecipientNum": 0
  }
},
{
  "Enabled": 0,
  "ActID": 28,
  "ActParam": {
    "TimeMode": 0,
    "AudioCustomInfo": {
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 4,
          "TimeSectionInfos": [
            {
              "Enabled": 1,
              "Begin": "00:00:00",
              "End": "23:59:00",
              "AudioActParamInfo": {
                "AudioFileID": 70,
                "WarnCount": 3,
                "AudioVolume": 0
```

```
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          }
        ]
      },
      {
        "ID": 2,
        "Num": 4,
        "TimeSectionInfos": [
          {
            "Enabled": 1,
            "Begin": "00:00:00",
            "End": "23:59:00",
            "AudioActParamInfo": {
              "AudioFileID": 70,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
```

```
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          }
        ]
      },
      {
        "ID": 3,
        "Num": 4,
        "TimeSectionInfos": [
          {
            "Enabled": 1,
            "Begin": "00:00:00",
            "End": "23:59:00",
            "AudioActParamInfo": {
              "AudioFileID": 70,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          }
```

```
        ]
      },
      {
        "ID": 4,
        "Num": 4,
        "TimeSectionInfos": [
          {
            "Enabled": 1,
            "Begin": "00:00:00",
            "End": "23:59:00",
            "AudioActParamInfo": {
              "AudioFileID": 70,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
          {
            "Enabled": 0,
            "Begin": "00:00:00",
            "End": "00:00:00",
            "AudioActParamInfo": {
              "AudioFileID": 0,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          }
        ]
      },
      {
        "ID": 5,
        "Num": 4,
        "TimeSectionInfos": [
          {
            "Enabled": 1,
            "Begin": "00:00:00",
            "End": "23:59:00",
            "AudioActParamInfo": {
              "AudioFileID": 70,
              "WarnCount": 3,
              "AudioVolume": 0
            }
          },
```

```
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        }
      ]
    },
    {
      "ID": 6,
      "Num": 4,
      "TimeSectionInfos": [
        {
          "Enabled": 1,
          "Begin": "00:00:00",
          "End": "23:59:00",
          "AudioActParamInfo": {
            "AudioFileID": 70,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
```

```
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        }
      ]
    },
    {
      "ID": 7,
      "Num": 4,
      "TimeSectionInfos": [
        {
          "Enabled": 1,
          "Begin": "00:00:00",
          "End": "23:59:00",
          "AudioActParamInfo": {
            "AudioFileID": 70,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00",
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        }
      ]
    }
```

```
    ]
  },
  "AudioDayNightInfo": {
    "Num": 7,
    "Days": [
      {
        "ID": 1,
        "AudioDayInfo": {
          "Enabled": 0,
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        "AudioNightInfo": {
          "Enabled": 0,
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        }
      },
      {
        "ID": 2,
        "AudioDayInfo": {
          "Enabled": 0,
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        "AudioNightInfo": {
          "Enabled": 0,
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        }
      },
      {
        "ID": 3,
        "AudioDayInfo": {
          "Enabled": 0,
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        },
        "AudioNightInfo": {
          "Enabled": 0,
          "AudioActParamInfo": {
            "AudioFileID": 0,
            "WarnCount": 3,
            "AudioVolume": 0
          }
        }
      },
```

```
    {
      "ID": 4,
      "AudioDayInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
          "AudioFileID": 0,
          "WarnCount": 3,
          "AudioVolume": 0
        }
      },
      "AudioNightInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
          "AudioFileID": 0,
          "WarnCount": 3,
          "AudioVolume": 0
        }
      }
    },
    {
      "ID": 5,
      "AudioDayInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
          "AudioFileID": 0,
          "WarnCount": 3,
          "AudioVolume": 0
        }
      },
      "AudioNightInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
          "AudioFileID": 0,
          "WarnCount": 3,
          "AudioVolume": 0
        }
      }
    },
    {
      "ID": 6,
      "AudioDayInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
          "AudioFileID": 0,
          "WarnCount": 3,
          "AudioVolume": 0
        }
      },
      "AudioNightInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
          "AudioFileID": 0,
          "WarnCount": 3,
          "AudioVolume": 0
        }
      }
    },
    {
      "ID": 7,
      "AudioDayInfo": {
        "Enabled": 0,
        "AudioActParamInfo": {
```

```
                "AudioFileID": 0,
                "WarnCount": 3,
                "AudioVolume": 0
              }
            },
            "AudioNightInfo": {
              "Enabled": 0,
              "AudioActParamInfo": {
                "AudioFileID": 0,
                "WarnCount": 3,
                "AudioVolume": 0
              }
            }
          }
        ]
      }
    }
  },
  {
    "Enabled": 0,
    "ActID": 29,
    "ActParam": {
      "TimeMode": 0,
      "LightCustomInfo": {
        "LightActParamInfo": {
          "Enabled": 0,
          "Interval": 10,
          "Luminance": 50
        },
        "LightWeekPlanInfo": {
          "Num": 7,
          "Days": [
            {
              "ID": 1,
              "Num": 4,
              "TimeSectionInfos": [
                {
                  "Enabled": 1,
                  "Begin": "00:00:00",
                  "End": "23:59:00"
                },
                {
                  "Enabled": 0,
                  "Begin": "00:00:00",
                  "End": "00:00:00"
                },
                {
                  "Enabled": 0,
                  "Begin": "00:00:00",
                  "End": "00:00:00"
                },
                {
                  "Enabled": 0,
                  "Begin": "00:00:00",
                  "End": "00:00:00"
                }
              ]
            },
            {
              "ID": 2,
              "Num": 4,
              "TimeSectionInfos": [
```

```
            {
              "Enabled": 1,
              "Begin": "00:00:00",
              "End": "23:59:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            }
          ]
        },
        {
          "ID": 3,
          "Num": 4,
          "TimeSectionInfos": [
            {
              "Enabled": 1,
              "Begin": "00:00:00",
              "End": "23:59:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            }
          ]
        },
        {
          "ID": 4,
          "Num": 4,
          "TimeSectionInfos": [
            {
              "Enabled": 1,
              "Begin": "00:00:00",
              "End": "23:59:00"
            },
            {
              "Enabled": 0,
              "Begin": "00:00:00",
              "End": "00:00:00"
            },
```

```
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        }
      ]
    },
    {
      "ID": 5,
      "Num": 4,
      "TimeSectionInfos": [
        {
          "Enabled": 1,
          "Begin": "00:00:00",
          "End": "23:59:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        }
      ]
    },
    {
      "ID": 6,
      "Num": 4,
      "TimeSectionInfos": [
        {
          "Enabled": 1,
          "Begin": "00:00:00",
          "End": "23:59:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        },
        {
          "Enabled": 0,
          "Begin": "00:00:00",
          "End": "00:00:00"
        }
```

```
            ]
          },
          {
            "ID": 7,
            "Num": 4,
            "TimeSectionInfos": [
              {
                "Enabled": 1,
                "Begin": "00:00:00",
                "End": "23:59:00"
              },
              {
                "Enabled": 0,
                "Begin": "00:00:00",
                "End": "00:00:00"
              },
              {
                "Enabled": 0,
                "Begin": "00:00:00",
                "End": "00:00:00"
              },
              {
                "Enabled": 0,
                "Begin": "00:00:00",
                "End": "00:00:00"
              }
            ]
          }
        ]
      }
    },
    "LightDayNightInfo": {
      "LightActParamInfo": {
        "Enabled": 0,
        "Interval": 10,
        "Luminance": 50
      },
      "LightDayNightPlanInfo": {
        "Num": 7,
        "Days": [
          {
            "ID": 1,
            "LightDayInfo": {
              "Enabled": 0
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          },
          {
            "ID": 2,
            "LightDayInfo": {
              "Enabled": 0
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          },
          {
            "ID": 3,
            "LightDayInfo": {
              "Enabled": 0
```

```
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          },
          {
            "ID": 4,
            "LightDayInfo": {
              "Enabled": 0
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          },
          {
            "ID": 5,
            "LightDayInfo": {
              "Enabled": 0
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          },
          {
            "ID": 6,
            "LightDayInfo": {
              "Enabled": 0
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          },
          {
            "ID": 7,
            "LightDayInfo": {
              "Enabled": 0
            },
            "LightNightInfo": {
              "Enabled": 0
            }
          }
        ]
      }
    }
  }
 }
}
```


6.10.2.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.2.6.6 Return Parameters Example

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.2.7 Query the Monitor Plan for Access Elevator Detection

6.10.2.7.1 Overview

Names	Description
Interface Description	Query the monitor plan of the access elevator detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan
Interface request method	GET
Data submission method	application/json

6.10.2.7.2 URL Description

None

6.10.2.7.3 Request Parameters

None

6.10.2.7.4 Example of Request Parameters

None

6.10.2.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.2.7.6 Return Parameter Examples

```
{
```

```
"Response": {
  "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/AccessElevator/WeekPlan",
  "ResponseCode": 0,
  "ResponseString": "Succeed",
  "StatusCode": 0,
  "Data": {
    "Num": 8,
    "Days": [
      {
        "ID": 1,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 2,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 3,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 4,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 5,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
```

```
        },
        {
          "ID": 6,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 7,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 8,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.10.2.8 Configure a Monitor Plan for Access Elevator Detection

6.10.2.8.1 Overview

Names	Description
Interface description	Configure a monitor plan for access elevator detection
Interface Version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.10.2.8.2 URL Description

None

6.10.2.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.10.2.8.4 Example of Request Parameters

```
{
  "Num": 8,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
```

```
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 2,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 3,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 4,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 5,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 6,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 7,
        "Num": 1,
```

```
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 8,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      }
    ]
}
```


6.10.2.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.2.8.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.3 Fireworks Detection

6.10.3.1 Get Configuration Information About Fireworks Detection Rules

6.10.3.1.1 Overview

Names	Description
Interface Description	Get configuration information about the fireworks detection rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.3.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.1.3 Request Parameters

None

6.10.3.1.4 Example of Request Parameters

None

6.10.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable 0: disables 1: enabled

6.10.3.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
```

```
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```


6.10.3.2 Set the Fireworks Detection Rule Configuration Information

6.10.3.2.1 Overview

Names	Description
Interface Description	Set the fireworks detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.3.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled

6.10.3.2.4 Example of Request Parameters


```
{
  "Enabled": 1
}
```


6.10.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter position	Required	Description
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.3.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.3.3 Get the Fireworks Detection Area Configuration

6.10.3.3.1 Overview

Names	Description
Interface Description	Get the fireworks detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.3.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.3.3 Request Parameters

None

6.10.3.3.4 Example of Request Parameters

None

6.10.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of zones Range of values: [1, 4]
++AreaRuleInfoList	object[]	body	true	List of zone rules
+++ID	integer	body	true	Zone ID, the same as the zone number carried in the URL Start with 0 for a maximum of 4 detection zones
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++AlarmInterval	integer	body	true	Alarm interval Unit: seconds Value range: [1, 100]
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++TimeThreshold	integer	body	true	Time threshold Unit: seconds Value range: [1, 100]
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]

Parameter names	Parameter type	Parameter location	Required	Description
++++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.3.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "AreaRuleInfoList": [
        {
          "ID": 0,
          "Enabled": 1,
          "Sensitivity": 80,
          "AlarmInterval": 10,
          "TimeThreshold": 0,
          "PolygonArea": {
            "PointNum": 4,
            "PointList": [
              {
                "X": 0,
                "Y": 0
              },
              {
                "X": 10000,
                "Y": 0
              },
              {
                "X": 10000,
                "Y": 10000
              },
              {
                "X": 0,
                "Y": 10000
              }
            ]
          },
          "ObjectMaxSize": {
            "Width": 1920,
            "Height": 1080
          },
          "ObjectMinSize": {
            "Width": 1,
            "Height": 1
```

```
        }
      },
      {
        "ID": 1,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 10,
        "TimeThreshold": 0,
        "PolygonArea": {
          "PointNum": 6,
          "PointList": [
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            }
          ]
        },
        "ObjectMaxSize": {
          "Width": 1920,
          "Height": 1080
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      },
      {
        "ID": 2,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 10,
        "TimeThreshold": 0,
        "PolygonArea": {
          "PointNum": 6,
          "PointList": [
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
```

```
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            }
          ]
        },
        "ObjectMaxSize": {
          "Width": 1920,
          "Height": 1080
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      },
      {
        "ID": 3,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 10,
        "TimeThreshold": 0,
        "PolygonArea": {
          "PointNum": 6,
          "PointList": [
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            }
          ]
```

```
            },
            "ObjectMaxSize": {
              "Width": 1920,
              "Height": 1080
            },
            "ObjectMinSize": {
              "Width": 1,
              "Height": 1
            }
          }
        ]
      }
    }
}
```


6.10.3.4 Set the Fireworks Detection Area Configuration

6.10.3.4.1 Overview

Names	Description
Interface Description	Set the fireworks detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.3.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones Range of values: [1, 4]
AreaRuleInfoList	object[]	body	true	List of zone rules
+ID	integer	body	true	Zone ID, the same as the zone number carried in the URL Start with 0 for a maximum of 4 detection zones
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity

Parameter Names	Parameter type	Parameter location	Required	Description
				Range of values: [1, 100]
+AlarmInterval	integer	body	true	Alarm interval Unit: seconds Value range: [1, 100]
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+TimeThreshold	integer	body	true	Time threshold Unit: seconds Value range: [1, 100]
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [1, 4]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio When PointNum is 0, this field is optional and is an empty array
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.3.4.4 Example of Request Parameters

```
{
   "Num": 4,
   "AreaRuleInfoList": [
      {
         "ID": 0,
         "Enabled": 1,
         "Sensitivity": 80,
         "AlarmInterval": 10,
         "TimeThreshold": 0,
         "PolygonArea": {
            "PointNum": 4,
            "PointList": [
```

```
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 10000,
                "Y": 0
            },
            {
                "X": 10000,
                "Y": 10000
            },
            {
                "X": 0,
                "Y": 10000
            }
        ]
    },
    "ObjectMaxSize": {
        "Width": 1920,
        "Height": 1080
    },
    "ObjectMinSize": {
        "Width": 1,
        "Height": 1
    }
},
{
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 80,
    "AlarmInterval": 10,
    "TimeThreshold": 0,
    "PolygonArea": {
        "PointNum": 4,
        "PointList": [
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            }
        ]
    },
    "ObjectMaxSize": {
        "Width": 1920,
        "Height": 1080
    },
    "ObjectMinSize": {
        "Width": 1,
        "Height": 1
    }
```

```
    },
    {
        "ID": 2,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 10,
        "TimeThreshold": 0,
        "PolygonArea": {
            "PointNum": 4,
            "PointList": [
                {
                    "X": 0,
                    "Y": 0
                },
                {
                    "X": 0,
                    "Y": 0
                },
                {
                    "X": 0,
                    "Y": 0
                },
                {
                    "X": 0,
                    "Y": 0
                }
            ]
        },
        "ObjectMaxSize": {
            "Width": 1920,
            "Height": 1080
        },
        "ObjectMinSize": {
            "Width": 1,
            "Height": 1
        }
    },
    {
        "ID": 3,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 10,
        "TimeThreshold": 0,
        "PolygonArea": {
            "PointNum": 4,
            "PointList": [
                {
                    "X": 0,
                    "Y": 0
                },
                {
                    "X": 0,
                    "Y": 0
                },
                {
                    "X": 0,
                    "Y": 0
                },
                {
                    "X": 0,
                    "Y": 0
                }
```

```
            ]
          },
          "ObjectMaxSize": {
            "Width": 1920,
            "Height": 1080
          },
          "ObjectMinSize": {
            "Width": 1,
            "Height": 1
          }
        }
      ]
}
```


6.10.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.3.4.6 Examples of Return Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.10.3.5 Get the Fireworks Detection Specified Area Configuration

6.10.3.5.1 Overview

Names	Description
Interface Description	Get the fireworks detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas/<ID>?ChannelID=<ChannelID>

Names	Description
Interface Request Method	GET
How data is submitted	application/json

6.10.3.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.5.3 Request Parameters

None

6.10.3.5.4 Example of Request Parameters

None

6.10.3.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Zone ID, the same as the zone number carried in the URL Start with 0 for a maximum of 4 detection zones
++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++AlarmInterval	integer	body	true	Alarm interval Unit: seconds Value range: [1, 100]
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

Parameter names	Parameter type	Parameter location	Required	Description
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++TimeThreshold	integer	body	true	Time threshold Unit: seconds Value range: [1, 100]
++PolygonArea	object	body	true	Polygon area
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.3.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas/1",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 80,
      "AlarmInterval": 10,
      "TimeThreshold": 0,
      "PolygonArea": {
        "PointNum": 6,
        "PointList": [
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
```

```
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            }
          ]
        },
        "ObjectMaxSize": {
          "Width": 1920,
          "Height": 1080
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      }
    }
}
```


6.10.3.6 Set the Fireworks Detection Specified Area Configuration

6.10.3.6.1 Overview

Names	Description
Interface Description	Set the fireworks detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.3.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Zone ID, the same as the zone number carried in the URL Start with 0 for a maximum of 4 detection zones
Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
AlarmInterval	integer	body	true	Alarm interval Unit: seconds Value range: [1, 100]
ObjectMaxSize	object	body	true	Maximum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
ObjectMinSize	object	body	true	Minimum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
TimeThreshold	integer	body	true	Time threshold Unit: seconds Value range: [1, 100]
PolygonArea	object	body	true	Polygon area
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [1, 4]
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio When PointNum is 0, this field is optional and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.3.6.4 Example of Request Parameters

```
{
  "ID": 1,
  "Enabled": 1,
  "Sensitivity": 100,
```

```
  "AlarmInterval": 100,
  "ObjectMaxSize": {
    "Width": 5000,
    "Height": 5000
  },
  "ObjectMinSize": {
    "Width": 5000,
    "Height": 5000
  },
  "TimeThreshold": 100,
  "PolygonArea": {
    "PointNum": 4,
    "PointList": [
      {
        "X": 5000,
        "Y": 5000
      }
    ]
  }
}
```


6.10.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.3.6.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.3.7 Get the Fireworks Detection Monitor Plan Configuration

6.10.3.7.1 Overview

Names	Description
Interface Description	Get the Fireworks detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.3.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.7.3 Request Parameters

None

6.10.3.7.4 Example for Request Parameters

None

6.10.3.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Planned days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday

Parameter names	Parameter type	Parameter location	Required	Description
				4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide When time range Num is 0, this field is optional
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.3.7.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "Num": 8,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
```

```
        "ID": 2,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 3,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 4,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 5,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 6,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 7,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
```

```
        }
      ]
    },
    {
      "ID": 8,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0
        }
      ]
    }
  ]
 }
}
```


6.10.3.8 Set the Monitor Plan for Fireworks Detection

6.10.3.8.1 Overview

Names	Description
Interface Description	Set the monitor plan for fireworks detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.3.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: Enables the function
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week

Parameter Names	Parameter type	Parameter location	Required	Description
+ID	integer	body	true	Weekly index 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.10.3.8.4 Example of Request Parameters

```
{
  "Num": 8,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 2,
      "Num": 1,
```

```
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 3,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 4,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 5,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 6,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 7,
      "Num": 1,
      "TimeSectionInfos": [
        {
```

```
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      },
      {
        "ID": 8,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      }
    ]
}
```


6.10.3.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.3.8.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.3.9 Get the Fireworks Detection Linkage Configuration

6.10.3.9.1 Overview

Names	Description
Interface Description	Get the fireworks detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.3.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.9.3 Request Parameters

None

6.10.3.9.4 Example of Request Parameters

None

6.10.3.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters

Parameter names	Parameter type	Parameter location	Required	Description
				Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Upload the photo to E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.3.9.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 9,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 2,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 3,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 4,
          "ActParam": {
```

```
            "Num": 0
          }
        },
        {
          "ActID": 5,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 7,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 16,
          "ActParam": {
            "Enabled": 1
          }
        },
        {
          "ActID": 12,
          "ActParam": {
            "SelectedRecipientNum": 0
          }
        }
      ]
    }
  }
}
```


6.10.3.10 Set the Linkage Configuration for Fireworks Detection

6.10.3.10.1 Overview

name	Description
Interface Description	Set the fireworks detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.3.10.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.3.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Linkage sound alarm Monitor 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.3.10.4 Example of Request Parameters

```
{
  "Num": 9,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 2,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 3,
      "ActParam": {
```

```
        "Num": 0
      }
    },
    {
      "ActID": 4,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 5,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 7,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 16,
      "ActParam": {
        "Enabled": 1
      }
    },
    {
      "ActID": 12,
      "ActParam": {
        "SelectedRecipientNum": 0
      }
    }
  ]
}
```

6.10.3.10.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.3.10.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>",
```

```
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.4 Face Detection

6.10.4.1 Get Face Detection Enable Switch Configurations

6.10.4.1.1 Overview

Names	Description
Interface Description	Get the enable switch configuration of face/human detection for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable
Interface request method	GET
How data is submitted	application/json

6.10.4.1.2 URL Description

None

6.10.4.1.3 Request Parameters

None

6.10.4.1.4 Example of Request Parameters

None

6.10.4.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter Names	Parameter type	Parameter location	Required	Description
++Enabled	integer	body	true	Face detection enable switch. This parameter is the overall switch of all kinds of intelligence related to face/human detection 0: disables the function 1: enabled

6.10.4.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.4.2 Set Face Detection Enable Switch Configurations

6.10.4.2.1 Overview

Names	Description
Interface Description	Set the enable switch configuration for face/body detection for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable
Interface request method	PUT
Data submission method	application/json

6.10.4.2.2 URL Description

None

6.10.4.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Face detection enable switch. This parameter is the overall switch of all kinds of intelligence related to face/human detection 0: disables the function 1: enabled

6.10.4.2.4 Example of Request Parameters

```
{
   "Enabled": 0
}
```

6.10.4.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.4.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.4.3 Get the Face Detection Rule Configuration

6.10.4.3.1 Overview

Names	Description
Interface Description	Get the specified video channel face/face detection/face comparison rule configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.4.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.3.3 Request Parameters

None

6.10.4.3.4 Example of Request Parameters

None

6.10.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++FaceCount	object	body	false	Face statistics configuration item
+++Enabled	integer	body	true	Enable switch, face/number count based on face detection implementation 0: Disable 1: enabled
++FaceSnapshot	object	body	true	Face capture configuration item
+++Mode	integer	body	true	Face capture mode Default: 1 1: Smart trigger 2: switch quantity trigger 3: Intelligent trigger + switch quantity trigger
+++Num	integer	body	true	Number of face snap pictures Default: 1 Value range: [1, 30]
+++MarkFace	integer	body	true	Face stack frame switch, if capturing a large picture, mark the face position in the large picture Default: 1 0: Turn off face stack frame 1: Open the face stack frame
++FaceQualityAnalysisEx	object	body	false	Quality preference extension field This field is optional when the device does not support quality preference
+++Enabled	integer	body	true	Enable face quality analysis switch 0: disables it 1: enabled

Parameter names	Parameter type	Parameter location	Required	Description
+++Mode	integer	body	true	Face Quality analysis mode, Effect priority mode: The camera detects a face and continues to track it until the face leaves the frame to output the highest quality snap image from the previously detected image. Speed preference: according to different speed levels, the output of the highest quality within a limited time, the same target is only reported once. Cycle optimization: every fixed cycle, the algorithm automatically selects, and outputs the optimal face in order of face detection (the main application scenario is the interactive face comparison scene) 0: effect priority mode 1: Speed first mode 2: Cycle priority mode
+++PreferenceLastTime	integer	body	true	Face preference duration in fast mode, in seconds. This parameter is valid when the face quality analysis mode is speed first Value range: [1, 1800] Default value: 5
+++QualityNum	integer	body	true	Face preference, this parameter is valid in effect first and speed first modes Value range: [1, 3]
+++IntervalTime	integer	body	true	Face cycle Preferred cycle upload time, unit: ms. This parameter is valid when the face optimization mode is periodic optimization Value range: [100, 1800000]
+++IsUploadLarge	integer	body	true	Whether to upload panoramic images periodically. This parameter is used when the period is preferred 0: Disable 1: enabled
++FaceRecognition	object	body	false	Face recognition configuration item This field is optional when the device does not support face recognition
+++Enabled	integer	body	true	Face comparison switch 0: disables 1: enabled

6.10.4.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/Rule",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "FaceCount": {
        "Enabled": 0
      },
      "FaceSnapshot": {
        "Mode": 1,
        "Num": 5,
```

```
            "MarkFace": 0
        },
        "FaceQualityAnalysisEx": {
            "Enabled": 1,
            "Mode": 1,
            "PreferenceLastTime": 6,
            "QualityNum": 2,
            "IntervalTime": 5,
            "FQScore": 0
        },
        "FaceRecognition": {
            "Enabled": 0
        },
        "FaceAttributeAnalysis": {
            "Enabled": 0
        }
    }
}
}
```


6.10.4.4 Set the Face Detection Rule Configuration

6.10.4.4.1 Overview

name	Description
Interface Description	Set the face detection rule configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.4.4.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
FaceCount	object	body	false	Face statistics configuration item This parameter is mandatory when the device supports it
+Enabled	integer	body	true	Enable switch, face/number count based on face detection implementation 0: Disable 1: enabled

Parameter Names	Parameter type	Parameter location	Required	Description
FaceSnapshot	object	body	true	Face capture configuration item
+Mode	integer	body	true	Face capture mode Default: 1 1: Smart trigger 2: switch quantity trigger 3: Intelligent trigger + switch quantity trigger
+Num	integer	body	true	Number of face snap pictures Default: 1 Value range: [1, 30]
+MarkFace	integer	body	true	Face stack frame switch, if capturing a large picture, mark the face position in the large picture Default: 1 0: Turn off face stack frame 1: Turn on face stack
FaceQualityAnalysisEx	object	body	false	Quality preference extension field This field is optional when the device does not support quality preference
+Enabled	integer	body	true	Enable face quality analysis switch 0: disables 1: enabled
+Mode	integer	body	true	Face Quality analysis mode, Effect priority mode: The camera detects a face and continues to track it until the face leaves the frame to output the highest quality snap image from the previously detected image. Speed preference: according to different speed levels, the output of the highest quality within a limited time, the same target is only reported once. Cycle optimization: every fixed cycle, the algorithm automatically selects, and outputs the optimal face in order of face detection (the main application scenario is the interactive face comparison scene) 0: effect priority mode 1: Speed first mode 2: Cycle priority mode
+PreferenceLastTime	integer	body	true	Face preference duration in fast mode, in seconds. This parameter is valid when the face quality analysis mode is speed first Value range: [1, 1800] Default value: 5
+QualityNum	integer	body	true	Face preference, this parameter is valid in effect first and speed first modes Value range: [1, 3]
+IntervalTime	integer	body	true	Face cycle Preferred cycle upload time, unit: ms. This parameter is valid when the face optimization mode is periodic optimization Value range: [100, 1800000]
+IsUploadLarge	integer	body	true	Whether to upload panoramic images periodically. This parameter is used when the period is preferred 0: Disable 1: enabled

Parameter Names	Parameter type	Parameter location	Required	Description
FaceRecognition	object	body	false	Face recognition configuration item This field is optional when the device does not support face recognition
+Enabled	integer	body	true	Face comparison switch 0: disables 1: Enables the function

6.10.4.4.4 Example of Request Parameters

```
{
   "FaceCount": {
      "Enabled": 0
   },
   "FaceSnapshot": {
      "Mode": 1,
      "Num": 5,
      "MarkFace": 0
   },
   "FaceQualityAnalysisEx": {
      "Enabled": 1,
      "Mode": 1,
      "PreferenceLastTime": 6,
      "QualityNum": 2,
      "IntervalTime": 5,
      "FQScore": 0
   },
   "FaceRecognition": {
      "Enabled": 0
   },
   "FaceAttributeAnalysis": {
      "Enabled": 0
   }
}
```

6.10.4.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.4.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.10.4.5 Get the Face Detection Area Configuration

6.10.4.5.1 Overview

Names	Description
Interface Description	Get the face detection area configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/Areas/Detections?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.4.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.5.3 Request Parameters

None

6.10.4.5.4 Example of Request Parameters

None

6.10.4.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results, 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++EntireImageEnabled	integer	body	false	Full screen Detect enable switch This field is required when the function is supported 0: disabled 1: enabled
++Num	integer	body	true	Maximum number of detection areas, 0 can be filled in for full-screen detection Value range: [0, undefined] Default: 1
++Polygons	object[]	body	true	Detect the list of zone parameters
+++ID	integer	body	true	Detect the zone index number, counting from 0
+++Enabled	integer	body	true	Detect zone enable switch 0: Disables it 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
+++PupilDistanceMin	integer	body	false	Minimum face pupil distance, filter according to the distance between two eyes, less than the minimum pupil distance configuration of the target will be filtered, unit: 10,000 ratio This field is mandatory when the device supports this capability Value range: [1,] Default value: 40
+++PointNum	integer	body	true	Detects the number of vertices in the zone graph
+++Points	object[]	body	false	Detect the coordinates of each vertex of the area graph, in units of ten thousandths This field is optional when PointNum is 0
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.4.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/Areas/Detections",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "EntireImageEnabled": 1,
      "Num": 1,
```

```
        "Polygons": [
          {
            "ID": 0,
            "Enabled": 1,
            "Sensitivity": 86,
            "PupilDistanceMin": 105,
            "PointNum": 0
          }
        ]
      }
    }
}
```


6.10.4.6 Get the Specified Face Detection Area Configuration

6.10.4.6.1 Overview

Names	Description
Interface Description	Get the configuration of the specified face detection area ID for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/Areas/Detections/ID?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.4.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.6.3 Request Parameters

None

6.10.4.6.4 Example for Request Parameters

None

6.10.4.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect the zone index number, counting from 0
++Enabled	integer	body	true	Detect zone enable switch 0: Disables it 1: Enables the function
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
++PupilDistanceMin	integer	body	false	Minimum face pupil distance, filter according to the distance between two eyes, less than the minimum pupil distance configuration of the target will be filtered, unit: 10,000 ratio This field is mandatory when the device supports this capability Value range: [1,] Default value: 40
++PointNum	integer	body	true	Detects the number of vertices in the zone graph Value range: [0, undefined]
++Points	object[]	body	false	Detect the coordinates of each vertex of the area graph, in units of ten thousandths This field is optional when PointNum is 0
+++X	integer	body	true	X-axis coordinate Unit to 10,000 ratio Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 9999]

6.10.4.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/Areas/Detections/1",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Enabled": 1,
      "Sensitivity": 86,
      "PupilDistanceMin": 105,
      "PointNum": 0
    }
  }
}
```

6.10.4.7 Get the Face Detection Linkage Action Configuration

6.10.4.7.1 Overview

Names	Description
Interface Description	Get the face detection linkage action configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.4.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.7.3 Request Parameters

None

6.10.4.7.4 Example of Request Parameters

None

6.10.4.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported

Parameter names	Parameter type	Parameter location	Required	Description
				1: Supported
+++ActID	integer	body	true	Linkage item IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.4.7.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 10,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 2,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 3,
          "ActParam": {
            "Num": 0
```

```
        }
      },
      {
        "ActID": 4,
        "ActParam": {
          "Num": 0
        }
      },
      {
        "ActID": 5,
        "ActParam": {
          "Num": 0
        }
      },
      {
        "ActID": 7,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 8,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 16,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 12,
        "ActParam": {
          "SelectedRecipientNum": 0
        }
      }
    ]
  }
 }
}
```


6.10.4.8 Set the Face Detection Linkage Action Configuration

6.10.4.8.1 Overview

Names	Description
Interface Description	Set the face detection linkage action configuration of the specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.4.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Upload the photo to E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.4.8.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.4.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.4.8.6 Examples of Return Parameters


```
{
  "Num": 10,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 2,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 3,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 4,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 5,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 7,
      "ActParam": {
        "Enabled": 0
```

```
        }
      },
      {
        "ActID": 8,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 16,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 12,
        "ActParam": {
          "SelectedRecipientNum": 0
        }
      }
    ]
}
```


6.10.4.9 Get the Face Detection Monitor Plan Configuration

6.10.4.9.1 Overview

Names	Description
Interface Description	Get the face detection monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.4.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.9.3 Request Parameters

None

6.10.4.9.4 Example of Request Parameters

None

6.10.4.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Weekly index Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: Start the inspection 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.4.9.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/WeekPlans",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 2,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 3,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 4,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 5,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
```

```
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 6,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 7,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 8,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      }
    ]
  }
}
```


6.10.4.10 Set the Face Detection Monitor Plan Configuration

6.10.4.10.1 Overview

Names	Description
Interface description	Set the face detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.4.10.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.4.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Max. 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time The format is hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.4.10.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```


6.10.4.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.4.10.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.5 Hybrid Detection

6.10.5.1 Get the Configuration of Hybrid Detection Rules

6.10.5.1.1 Overview

Names	Description
Interface Description	Get the Configuration of Hybrid Detection Rules

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.10.5.1.2 URL Description

None

6.10.5.1.3 Request Parameters

None

6.10.5.1.4 Example of Request Parameters

None

6.10.5.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Mixed line detection enable switch 0: Disables 1: enabled
++Num	integer	body	true	Detects the number of target types The number is not 0
++DetectTargetList	object[]	body	true	Detect target information
+++Enabled	integer	body	false	Detect switch 0: Disables 1: enabled
+++Type	integer	body	false	Detect type This field is optional when the number of detection targets Num is 0 0: Motor vehicle 1: non-motor vehicle

Parameter Names	Parameter type	Parameter location	Required	Description
				2: Pedestrian

6.10.5.1.6 Example of Returning parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/HybridDetection/Rule",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "Num": 3,
      "DetectTargetList": [
        {
          "Enabled": 1,
          "Type": 0
        },
        {
          "Enabled": 1,
          "Type": 1
        },
        {
          "Enabled": 1,
          "Type": 2
        }
      ]
    }
  }
}
```

6.10.5.2 Set the Hybrid Detection Rule Configuration

6.10.5.2.1 Overview

Names	Description
Interface Description	Set the hybrid detection rule configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.10.5.2.2 URL Description

None

6.10.5.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Mixed line detection enable switch 0: Disables 1: enabled
Num	integer	body	true	Detects the number of target types The number is not 0
DetectTargetList	object[]	body	true	Detect target information
+Enabled	integer	body	false	Detect switch 0: Disables 1: enabled
+Type	integer	body	false	Detect type This field is optional when the number of detection targets Num is 0 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian

6.10.5.2.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "Num": 3,
  "DetectTargetList": [
    {
      "Enabled": 1,
      "Type": 0
    },
    {
      "Enabled": 1,
      "Type": 1
    },
    {
      "Enabled": 1,
      "Type": 2
    }
  ]
}
```

6.10.5.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response data

6.10.5.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.5.3 Get the Hybrid Detection Zone Configuration

6.10.5.3.1 Overview

Names	Description
Interface Description	Get the Hybrid Detection Zone Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas
Interface request method	GET
How data is submitted	application/json

6.10.5.3.2 URL Description

None

6.10.5.3.3 Request Parameters

None

6.10.5.3.4 Example of Request Parameters

None

6.10.5.3.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter Names	Parameter type	Parameter position	Required	Description
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsEnableEntireImage	integer	body	true	Detect the enable switch in full screen 0: Disables it 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.5.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/HybridDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsEnableEntireImage": 1,
      "Sensitivity": 50,
      "PointNum": 4,
      "PointList": [
        {
          "X": 0,
          "Y": 2500
        },
        {
          "X": 0,
          "Y": 7500
        },
        {
          "X": 9999,
          "Y": 7500
        },
```

```
          {
            "X": 9999,
            "Y": 2500
          }
        ]
      }
    }
}
```


6.10.5.4 Set the Hybrid Detection Zone Configuration

6.10.5.4.1 Overview

Names	Description
Interface Description	Set the hybrid detection zone configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas
Interface request method	PUT
Data submission method	application/json

6.10.5.4.2 URL Description

None

6.10.5.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
IsEnableEntireImage	integer	body	true	Detect the enable switch in full screen 0: Disables it 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.5.4.4 Example of Request Parameters

```
{
  "IsEnableEntireImage": 1,
  "Sensitivity": 52,
  "PointNum": 4,
  "PointList": [
    {
      "X": 0,
      "Y": 2500
    },
    {
      "X": 0,
      "Y": 7500
    },
    {
      "X": 9999,
      "Y": 7500
    },
    {
      "X": 9999,
      "Y": 2500
    }
  ]
}
```

6.10.5.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.5.4.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.6 High-Altitude Throwing

6.10.6.1 Get the Configuration Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.10.6.1.1 Overview

Names	Description
Interface Description	Get the configuration information of high-altitude throwing detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.10.6.1.2 URL Description

None

6.10.6.1.3 Request Parameters

None

6.10.6.1.4 Example of Request Parameters

None

6.10.6.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	High-altitude throwing detection enabled 0: disables 1: enabled
++AddTrack	integer	body	true	Whether a high-altitude throwing grab is superimposed on object tracks 0: No superposition 1: Superposition

6.10.6.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0,
         "AddTrack": 1
      }
   }
}
```

6.10.6.2 Set the Configuration Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.10.6.2.1 Overview

Names	Description
Interface Description	Set the configuration information of high-altitude throwing detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.10.6.2.2 URL Description

None

6.10.6.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	High-altitude throwing detection enabled 0: disables 1: enabled
AddTrack	integer	body	true	Whether a high-altitude throwing grab is superimposed on object tracks 0: No superposition 1: Superposition

6.10.6.2.4 Example of Request Parameters

```
{
   "Enabled": 0,
```

```
    "AddTrack": 1
}
```

6.10.6.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.6.2.6 Examples of Return Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule",
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {}
    }
}
```

6.10.6.3 Get the Specified Detection Area Information of the High-Altitude Throwing Detection in the Specified Video Input Channel

6.10.6.3.1 Overview

Names	Description
Interface Description	Get the Specified Detection Area Information of the High-Altitude Throwing Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>
Interface request method	GET
How data is submitted	application/json

6.10.6.3.2 URL Description

None

6.10.6.3.3 Request Parameters

None

6.10.6.3.4 Example of Request Parameters

None

6.10.6.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
++Enabled	integer	body	true	The detection area was enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When PointNum is 0, this node is optional This field is not returned if PointNum is not in the specified range
+++X	integer	body	true	X-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.6.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/48/Smart/FallingObjectsDetection/Areas/0",
```

```
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Enabled": 1,
      "Sensitivity": 50,
      "Confidence": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 169,
          "Y": 454
        },
        {
          "X": 9715,
          "Y": 519
        },
        {
          "X": 9744,
          "Y": 9609
        },
        {
          "X": 28,
          "Y": 9609
        }
      ]
    }
  }
}
```


6.10.6.4 Set the Specified Detection Area Information of the High-Altitude Throwing Detection in the Specified Video Input Channel

6.10.6.4.1 Overview

Names	Description
Interface Description	Set the specified detection area information of the high-altitude throwing detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>
Interface request method	PUT
Data submission method	application/json

6.10.6.4.2 URL Description

None

6.10.6.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Detects the vertex coordinates of the area graph This field is not returned if PointNum is not in the specified value range
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.6.4.4 Example of Request Parameters

```
{
  "ID": 0,
  "Enabled": 1,
  "Sensitivity": 54,
  "Confidence": 1,
  "PointNum": 4,
  "PointList": [
    {
      "X": 169,
      "Y": 454
    },
    {
      "X": 9715,
      "Y": 519
    },
    {
      "X": 9744,
      "Y": 9609
    },
    {
      "X": 28,
      "Y": 9609
    }
  ]
}
```

6.10.6.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.6.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.6.5 Get All Detection Area Information of High-Altitude Throwing in the Specified Video Input Channel

6.10.6.5.1 Overview

Names	Description
Interface Description	Get all detection area information of high-altitude throwing object in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas
Interface request method	GET
How data is submitted	application/json

6.10.6.5.2 URL Description

None

6.10.6.5.3 Request Parameters

None

6.10.6.5.4 Example of Request Parameters

None

6.10.6.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn High altitude throwing is currently fixed at 1 Value range: [0, 1]
++AreaList	object[]	body	false	Detect the list of zone parameter information If Num is 0, this parameter is optional
+++ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
+++Enabled	integer	body	true	The detection area was enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When PointNum is 0, this node is optional This field is not returned if PointNum is not in the specified range
++++X	integer	body	true	X-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.6.5.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/48/Smart/FallingObjectsDetection/Areas",
    "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "AreaList": [
        {
          "ID": 0,
          "Enabled": 1,
          "Sensitivity": 50,
          "Confidence": 1,
          "PointNum": 4,
          "PointList": [
            {
              "X": 169,
              "Y": 454
            },
            {
              "X": 9715,
              "Y": 519
            },
            {
              "X": 9744,
              "Y": 9609
            },
            {
              "X": 28,
              "Y": 9609
            }
          ]
        }
      ]
    }
  }
}
```


6.10.6.6 Set All Detection Area Information of High-Altitude Throwing in the Specified Video Input Channel

6.10.6.6.1 Overview

Names	Description
Interface Description	Set all detection area information of high-altitude throwing object in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas
Interface request method	PUT
Data submission method	application/json

6.10.6.6.2 URL Description

None

6.10.6.6.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn High altitude throwing is currently fixed at 1 Value range: [0, 1]
AreaList	object[]	body	true	Parameter list of the detection area
+ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	false	Detect the vertex coordinates of the area graph This field is not returned if PointNum is not in the specified value range
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.6.6.4 Example of Request Parameters

```
{
  "Num": 1,
  "AreaList": [
    {
      "ID": 0,
      "Enabled": 1,
      "Sensitivity": 54,
      "Confidence": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 169,
          "Y": 454
        },
        {
          "X": 9715,
          "Y": 519
        },
        {
          "X": 9744,
          "Y": 9609
        },
```

```
        {
          "X": 28,
          "Y": 9609
        }
      ]
    }
  ]
}
```

6.10.6.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.6.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas".
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.6.7 Query the Linkage Action of High-Altitude Throwing Detection

6.10.6.7.1 Overview

name	Description
Interface Description	Query the linkage action of high altitude throwing detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.10.6.7.2 URL Description

None

6.10.6.7.3 Request Parameters

None

6.10.6.7.4 Example for Request Parameters

None

6.10.6.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	If Num is 0, this node is not required
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28. 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Preview the linkage NVR 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.6.7.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/FallingObjectsDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 9,
      "Actions": [
        {
          "ActID": 0,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 1,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 2,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 3,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 4,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 5,
          "ActParam": {
            "Num": 0
          }
        },
        {
          "ActID": 7,
          "ActParam": {
            "Enabled": 0
          }
        },
        {
          "ActID": 16,
          "ActParam": {
            "Enabled": 1
          }
        },
        {
          "ActID": 12,
```

```
            "ActParam": {
                "SelectedRecipientNum": 0
            }
        }
      ]
    }
  }
}
```

6.10.6.8 Set the Linkage Action for High-Altitude Throwing Detection

6.10.6.8.1 Overview

Names	Description
Interface Description	Set the linkage action for high altitude throwing detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.10.6.8.2 URL Description

None

6.10.6.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen

Parameter Names	Parameter type	Parameter location	Required	Description
				12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: Linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.6.8.4 Example of Request Parameters

```
{
  "Num": 9,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 2,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 3,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 4,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 5,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 7,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
```

```
        "ActID": 16,
        "ActParam": {
          "Enabled": 1
        }
      },
      {
        "ActID": 12,
        "ActParam": {
          "SelectedRecipientNum": 0
        }
      }
    ]
}
```


6.10.6.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.6.8.6 Examples of Return Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.10.6.9 Configure Monitor plan for High-Altitude Throwing Detection

6.10.6.9.1 Overview

Names	Description
Interface Description	Configure monitor plan for high-altitude throwing detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan

Names	Description
Interface request method	PUT
Data submission method	application/json

6.10.6.9.2 URL Description

None

6.10.6.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information Periods of the same day cannot overlap This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan

Parameter Names	Parameter type	Parameter location	Required	Description
				10: Events

6.10.6.9.4 Example of Request Parameters

```
{
  "Num": 8,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 2,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 3,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 4,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 5,
```

```
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 6,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 7,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 8,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    }
  ]
}
```


6.10.6.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.6.9.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.6.10 Query the Monitor Plan for High-Altitude Throwing Detection

6.10.6.10.1 Overview

Names	Description
Interface Description	Query the Monitor plan for high altitude throwing detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.10.6.10.2 URL Description

None

6.10.6.10.3 Request Parameters

None

6.10.6.10.4 Example of Request Parameters

None

6.10.6.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.6.10.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/FallingObjectsDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 2,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 3,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 4,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 5,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
```

```
                "End": "24:00:00",
                "ArmingType": 0
              }
            ]
          },
          {
            "ID": 6,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "24:00:00",
                "ArmingType": 0
              }
            ]
          },
          {
            "ID": 7,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "24:00:00",
                "ArmingType": 0
              }
            ]
          },
          {
            "ID": 8,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "24:00:00",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
    }
}
```


6.10.7 Fall Detection

6.10.7.1 Get the Fall Detection Configuration Information in the Specified Video Input Channel

6.10.7.1.1 Overview

Names	Description
Interface Description	Get the fall detection configuration information in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/Rule?ChannelID=<ChannelID>

Names	Description
Interface Request Method	GET
Data submission method	application/json

6.10.7.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.1.3 Request Parameters

None

6.10.7.1.4 Example of Request Parameters

None

6.10.7.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Fall detection enabled 0: disables 1: enabled

6.10.7.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```

6.10.7.2 Set the Fall Detection Configuration Information in the Specified Video Input Channel

6.10.7.2.1 Overview

Names	Description
Interface Description	Set the fall detection configuration information in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.7.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Fall detection enabled 0: disables 1: enabled

6.10.7.2.4 Example of Request Parameters

```
{
   "Enabled": 1
}
```

6.10.7.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.7.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.7.3 Get All Areas of Fall Detection Information in the Specified Video Input Channel

6.10.7.3.1 Overview

name	Description
Interface Description	Get information about all areas of fall detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.7.3.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.3.3 Request Parameters

None

6.10.7.3.4 Example of Request Parameters

None

6.10.7.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of drawable areas, fall detection currently defaults to 4 Default: 4
++PolygonInfoList	object[]	body	true	Detect the list of zone parameter information
+++ID	integer	body	true	Detect zone Index Same as the zone number carried in the URL Starting at 0, up to 4 zones are currently supported Value range: [0, 4]
+++Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
+++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon pattern Value range: [3, 6]
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.7.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "PolygonInfoList": [
        {
          "ID": 0,
          "Enabled": 1,
          "Sensitivity": 80,
          "AlarmInterval": 5,
          "TimeThreshold": 5,
          "PointNum": 4,
          "PointList": [
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 10000,
              "Y": 0
            },
            {
              "X": 10000,
              "Y": 10000
            },
            {
              "X": 0,
              "Y": 10000
            }
          ],
          "ObjectMaxSize": {
            "Width": 1920,
            "Height": 1080
          },
          "ObjectMinSize": {
            "Width": 1,
            "Height": 1
          }
        },
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 80,
          "AlarmInterval": 5,
          "TimeThreshold": 5,
          "PointNum": 6,
          "PointList": [
            {
              "X": 0,
              "Y": 0
            },
            {
              "X": 0,
              "Y": 0
            },
```

```
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            }
        ],
        "ObjectMaxSize": {
            "Width": 1920,
            "Height": 1080
        },
        "ObjectMinSize": {
            "Width": 1,
            "Height": 1
        }
    },
    {
        "ID": 2,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 5,
        "TimeThreshold": 5,
        "PointNum": 6,
        "PointList": [
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            },
            {
                "X": 0,
                "Y": 0
            }
        ],
        "ObjectMaxSize": {
            "Width": 1920,
            "Height": 1080
```

```
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      },
      {
        "ID": 3,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 5,
        "TimeThreshold": 5,
        "PointNum": 6,
        "PointList": [
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          }
        ],
        "ObjectMaxSize": {
          "Width": 1920,
          "Height": 1080
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      }
    ]
  }
 }
}
```


6.10.7.4 Set All Area Information for Fall Detection in the Specified Video Input Channel

6.10.7.4.1 Overview

Names	Description
Interface Description	Set all area information for fall detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.7.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.4.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Maximum number of drawable areas, fall detection currently defaults to 4 Default: 4
PolygonInfoList	object[]	body	true	Detect the list of zone parameter information
+ID	integer	body	true	Detect zone Index Same as the zone number carried in the URL Starting at 0, up to 4 zones are currently supported Value range: [0, 4]
+Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
+Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
+AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000

Parameter Names	Parameter type	Parameter position	Required	Description
				Value range: [0, 9999]
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.7.4.4 Example of Request Parameters


```
{
  "Num": 4,
  "PolygonInfoList": [
    {
      "ID": 0,
      "Enabled": 1,
      "Sensitivity": 83,
      "AlarmInterval": 5,
      "TimeThreshold": 5,
      "PointNum": 4,
      "PointList": [
        {
          "X": 0,
          "Y": 0
        },
        {
          "X": 10000,
          "Y": 0
        },
        {
          "X": 10000,
          "Y": 10000
        },
        {
          "X": 0,
          "Y": 10000
        }
      ],
      "ObjectMaxSize": {
        "Width": 1920,
        "Height": 1080
      },
      "ObjectMinSize": {
        "Width": 1,
        "Height": 1
      }
    },
```

```
{
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 80,
    "AlarmInterval": 5,
    "TimeThreshold": 5,
    "PointNum": 4,
    "PointList": [
        {
            "X": 0,
            "Y": 0
        },
        {
            "X": 0,
            "Y": 0
        },
        {
            "X": 0,
            "Y": 0
        },
        {
            "X": 0,
            "Y": 0
        }
    ],
    "ObjectMaxSize": {
        "Width": 1920,
        "Height": 1080
    },
    "ObjectMinSize": {
        "Width": 1,
        "Height": 1
    }
},
{
    "ID": 2,
    "Enabled": 0,
    "Sensitivity": 80,
    "AlarmInterval": 5,
    "TimeThreshold": 5,
    "PointNum": 4,
    "PointList": [
        {
            "X": 0,
            "Y": 0
        },
        {
            "X": 0,
            "Y": 0
        },
        {
            "X": 0,
            "Y": 0
        },
        {
            "X": 0,
            "Y": 0
        }
    ],
    "ObjectMaxSize": {
        "Width": 1920,
        "Height": 1080
```

```
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      },
      {
        "ID": 3,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 5,
        "TimeThreshold": 5,
        "PointNum": 4,
        "PointList": [
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          },
          {
            "X": 0,
            "Y": 0
          }
        ],
        "ObjectMaxSize": {
          "Width": 1920,
          "Height": 1080
        },
        "ObjectMinSize": {
          "Width": 1,
          "Height": 1
        }
      }
    ]
}
```


6.10.7.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.7.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/Areas?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.7.5 Get Information About the Specified Fall Detection Area in the Specified Video Input Channel

6.10.7.5.1 Overview

name	Description
Interface Description	Get information about the specified fall detection area in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.7.5.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.5.3 Request Parameters

None

6.10.7.5.4 Example of Request Parameters

None

6.10.7.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Same as the zone number carried in the URL Starting at 0, up to 4 zones are currently supported Value range: [0, 4]
++Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
++Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
++TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++X	integer	body	true	X-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.7.5.6 Return Parameter Examples

```
{
  "Response": {
```

```
    "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/Areas/1",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 80,
      "AlarmInterval": 5,
      "TimeThreshold": 5,
      "PointNum": 6,
      "PointList": [
        {
          "X": 0,
          "Y": 0
        },
        {
          "X": 0,
          "Y": 0
        },
        {
          "X": 0,
          "Y": 0
        },
        {
          "X": 0,
          "Y": 0
        },
        {
          "X": 0,
          "Y": 0
        },
        {
          "X": 0,
          "Y": 0
        }
      ],
      "ObjectMaxSize": {
        "Width": 1920,
        "Height": 1080
      },
      "ObjectMinSize": {
        "Width": 1,
        "Height": 1
      }
    }
  }
}
```


6.10.7.6 Set the Specified Fall Detection Area Information in the Specified Video Input Channel

6.10.7.6.1 Overview

Names	Description
Interface Description	Set the specified fall detection area information in the specified video input channel
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/FallOverDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.7.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detection area index Same as the zone number carried in the URL Starting at 0, up to 4 zones are currently supported Value range: [0, 4]
Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
ObjectMaxSize	object	body	true	Maximum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

Parameter Names	Parameter type	Parameter location	Required	Description
ObjectMinSize	object	body	true	Minimum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.7.6.4 Example of Request Parameters

```
{
  "ID": 0,
  "Enabled": 1,
  "Sensitivity": 83,
  "AlarmInterval": 5,
  "TimeThreshold": 5,
  "PointNum": 4,
  "PointList": [
    {
      "X": 0,
      "Y": 0
    },
    {
      "X": 10000,
      "Y": 0
    },
    {
      "X": 10000,
      "Y": 10000
    },
    {
      "X": 0,
      "Y": 10000
    }
  ],
  "ObjectMaxSize": {
    "Width": 1920,
    "Height": 1080
  },
  "ObjectMinSize": {
    "Width": 1,
    "Height": 1
  }
}
```

6.10.7.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.7.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.7.7 Query the Linkage Action for Fall Detection

6.10.7.7.1 Overview

Names	Description
Interface Description	Query the linkage action for fall detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.7.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.7.3 Request Parameters

None

6.10.7.7.4 Example of Request Parameters

None

6.10.7.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+++Enabled	integer	body	false	The linkage item was enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.7.7.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 9,
      "Actions": [
        {
          "ActID": 0,
```

```
        "ActParam": {
          "Num": 0
        }
      },
      {
        "ActID": 1,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 2,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 3,
        "ActParam": {
          "Num": 0
        }
      },
      {
        "ActID": 4,
        "ActParam": {
          "Num": 0
        }
      },
      {
        "ActID": 5,
        "ActParam": {
          "Num": 0
        }
      },
      {
        "ActID": 7,
        "ActParam": {
          "Enabled": 0
        }
      },
      {
        "ActID": 16,
        "ActParam": {
          "Enabled": 1
        }
      },
      {
        "ActID": 12,
        "ActParam": {
          "SelectedRecipientNum": 0
        }
      }
    ]
  }
}
```


6.10.7.8 Set the Linkage Action for Fall Detection

6.10.7.8.1 Overview

Names	Description
Interface Description	Set the linkage action for fall detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.7.8.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.7.8.4 Example of Request Parameters

```
{
  "Num": 9,
  "Actions": [
    {
      "ActID": 0,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 1,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 2,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 3,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 4,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 5,
      "ActParam": {
        "Num": 0
      }
    },
    {
      "ActID": 7,
      "ActParam": {
        "Enabled": 0
      }
    },
    {
      "ActID": 16,
      "ActParam": {
        "Enabled": 1
      }
    },
    {
      "ActID": 12,
      "ActParam": {
        "SelectedRecipientNum": 0
      }
    }
  ]
}
```


6.10.7.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.7.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.7.9 Query the Fall Detection Monitor Plan

6.10.7.9.1 Overview

Names	Description
Interface Description	Query the Monitor plan for fall detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
Data submission method	application/json

6.10.7.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.9.3 Request Parameters

None

6.10.7.9.4 Example of Request Parameters

None

6.10.7.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Alarms can be deployed only on a scheduled basis Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police

Parameter Names	Parameter type	Parameter location	Required	Description
				4: motion or police 5: No plan 10: Events

6.10.7.9.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 2,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 3,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
          ]
        },
        {
          "ID": 4,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "24:00:00",
              "ArmingType": 0
            }
```

```
        ]
      },
      {
        "ID": 5,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 6,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 7,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      },
      {
        "ID": 8,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0
          }
        ]
      }
    ]
  }
 }
}
```


6.10.7.10 Configure a Fall Detection Monitor Plan

6.10.7.10.1 Overview

Names	Description
Interface Description	Configure a Monitor plan for fall detection

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FallOverDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.7.10.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.7.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported

Parameter Names	Parameter type	Parameter location	Required	Description
				The default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.7.10.4 Example of Request Parameters

```
{
  "Num": 8,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 2,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 3,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
          "ArmingType": 0,
          "Enabled": 1
        }
      ]
    },
    {
      "ID": 4,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "24:00:00",
```

```
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      },
      {
        "ID": 5,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      },
      {
        "ID": 6,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      },
      {
        "ID": 7,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      },
      {
        "ID": 8,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "24:00:00",
            "ArmingType": 0,
            "Enabled": 1
          }
        ]
      }
    ]
}
```


6.10.7.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.7.10.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FallOverDetection/WeekPlan?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.8 Area Wandering

6.10.8.1 Get the Configuration Information for Area Wandering in the Specified Video Input Channel

6.10.8.1.1 Overview

Names	Description
Interface Description	Get the configuration information about area wandering in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.8.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	string	true	1	Channel ID

6.10.8.1.3 Request Parameters

None

6.10.8.1.4 Example of Request Parameters

None

6.10.8.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Area Wandering detection enabled 0: Disables 1: enabled

6.10.8.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Loitering/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.8.2 Set the Configuration Information for Area Wandering in the Specified Video Input Channel

6.10.8.2.1 Overview

Names	Description
Interface Description	Set the configuration information of area wandering in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT

Names	Description
Data submission method	application/json

6.10.8.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Area Wandering detection enabled 0: Disables 1: enabled

6.10.8.2.4 Example of Request Parameters

```
{
   "Enabled": 0
}
```

6.10.8.2.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.8.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Loitering/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.8.3 Get All Zone Information for Area Wandering in the Specified Video Input Channel

6.10.8.3.1 Overview

Names	Description
Interface description	Get information about all areas of the region wandering in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.8.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.3.3 Request Parameters

None

6.10.8.3.4 Example of Request Parameters

None

6.10.8.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn Zone hover currently defaults to 4 Default: 4
++PolygonInfoList	object[]	body	true	Detect the list of zone parameter information
+++ID	integer	body	true	Detect zone Index Starting at 0, up to 4 regions are currently supported

Parameter names	Parameter type	Parameter location	Required	Description
				The same number as the zone in the URL Value range: [0, 4]
+++Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.8.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Loitering/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
          "TimeThreshold": 1,
```

```
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ],
            "ObjectMaxSize": {
              "Width": 5000,
              "Height": 5000
            },
            "ObjectMinSize": {
              "Width": 5000,
              "Height": 5000
            }
          }
        ]
      }
    }
}
```


6.10.8.4 Set All Zone Information for Area Wandering in the Specified Video Input Channel

6.10.8.4.1 Overview

Names	Description
Interface description	Set all area information of the area that lingers in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.8.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn Area Wandering currently defaults to 4 Default: 4
PolygonInfoList	object[]	body	true	Detect the list of zone parameter information
+ID	integer	body	true	Detect zone Index

Parameter Names	Parameter type	Parameter location	Required	Description
				Starting at 0, up to 4 regions are currently supported The same number as the zone in the URL Value range: [0, 4]
+Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
+Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.8.4.4 Example of Request Parameters

```
{
   "Num": 4,
   "PolygonInfoList": [
      {
         "ID": 1,
         "Enabled": 0,
         "Sensitivity": 1,
         "TimeThreshold": 1,
         "PointNum": 4,
         "PointList": [
            {
               "X": 5000,
               "Y": 5000
```

```
            }
         ],
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.10.8.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.8.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Loitering/Areas?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.8.5 Get the Information About the Area Wandering Area in the Specified Video Input Channel

6.10.8.5.1 Overview

Names	Description
Interface Description	Get the information about the area wandering area in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/Areas/<ID>?ChannelID=<ChannelID>

Names	Description
Interface Request Method	GET
Data submission method	application/json

6.10.8.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.5.3 Request Parameters

None

6.10.8.5.4 Example of Request Parameters

None

6.10.8.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting at 0, up to 4 regions are currently supported The same number as the zone in the URL Value range: [0, 4]
++Enabled	integer	body	true	The detection area was enabled 0: disabled 1: enabled
++Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
++TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]

Parameter Names	Parameter type	Parameter location	Required	Description
++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.8.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Loitering/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "TimeThreshold": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      }
    }
  }
}
```

6.10.8.6 Set the Information About the Area Wandering Area in the Specified Video Input Channel

6.10.8.6.1 Overview

Names	Description
Interface Description	Set the Information About the Area Wandering Area in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.8.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting at 0, up to 4 regions are currently supported The same number as the zone in the URL Value range: [0, 4]
Enabled	integer	body	true	The detection area is enabled 0: disabled 1: Enables the function
Sensitivity	integer	body	true	Sensitivity Value range: [0, 100]
TimeThreshold	integer	body	true	Time threshold Value range: [1, 3600] Unit: second
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
ObjectMaxSize	object	body	true	Maximum target size

Parameter Names	Parameter type	Parameter location	Required	Description
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
ObjectMinSize	object	body	true	Minimum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.8.6.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 1,
   "TimeThreshold": 1,
   "PointNum": 4,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ],
   "ObjectMaxSize": {
      "Width": 5000,
      "Height": 5000
   },
   "ObjectMinSize": {
      "Width": 5000,
      "Height": 5000
   }
}
```

6.10.8.6.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.8.6.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Loitering/Areas/<ID>?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.8.7 Query the Linkage Action for Area Wandering

6.10.8.7.1 Overview

Names	Description
Interface Description	Query the linkage action for area wandering
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.8.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.7.3 Request Parameters

None

6.10.8.7.4 Example of Request Parameters

None

6.10.8.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage item IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.8.7.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Loitering/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
```

```
}
```

6.10.8.8 Set the Linkage Action for Area Wandering

6.10.8.8.1 Overview

Names	Description
Interface Description	Set the linkage action for area wandering
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.8.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	If Num is 0, this node is not required
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Preview the linkage NVR 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense

Parameter Names	Parameter type	Parameter location	Required	Description
+ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.8.8.4 Example of Request Parameters

```
{
   "Num": 8,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.8.8.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.8.8.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Loitering/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.8.9 Query the Monitor Plan for Area Wandering

6.10.8.9.1 Overview

Names	Description
Interface Description	Query the monitor plan for area wandering
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.8.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.9.3 Request Parameters

None

6.10.8.9.4 Example of Request Parameters

None

6.10.8.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday

Parameter Names	Parameter type	Parameter location	Required	Description
				4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum size of NVR is 8 segments
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Call the police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.8.9.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Loitering/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00：00：00",
              "End": "24：00：00",
              "ArmingType": 5
            }
          ]
        }
      ]
```

```
    }
  }
}
```

6.10.8.10 Configure a Monitor Plan for Area Wandering

6.10.8.10.1 Overview

Names	Description
Interface Description	Configure a monitor plan for area wandering
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Loitering/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.8.10.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.8.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide

Parameter Names	Parameter type	Parameter location	Required	Description
				This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.8.10.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00：00：00",
          "End": "24：00：00",
          "ArmingType": 5
        }
      ]
    }
  ]
}
```

6.10.8.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter Name	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.8.10.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/Loitering/WeekPlan?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.9 Fast Move

6.10.9.1 Get the Configuration of the Fast Move Detection Rule

6.10.9.1.1 Overview

Names	Description
Interface Description	Get fast move detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.9.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.1.3 Request Parameters

None

6.10.9.1.4 Example of Request Parameters

None

6.10.9.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Fast move Detect enable switch 0: Disables 1: enabled

6.10.9.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.9.2 Set the Fast Move Detection Rule Configuration

6.10.9.2.1 Overview

Names	Description
Interface Description	Set the fast move detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.9.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Fast move Detect enable switch 0: Disables 1: enabled

6.10.9.2.4 Example for Request Parameters

```
{
   "Enabled": 0
}
```

6.10.9.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.9.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.9.3 Get the Fast Move Detection Area Configuration

6.10.9.3.1 Overview

Names	Description
Interface Description	Get the fast Move Detection area configuration
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.9.3.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.3.3 Request Parameters

None

6.10.9.3.4 Example of Request Parameters

None

6.10.9.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Number of zones
++AreaRuleInfoList	object	body	true	List of zone rules
+++ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]

Parameter names	Parameter type	Parameter location	Required	Description
				Unit: second
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 100] Unit: second
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.9.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "AreaRuleInfoList": {
        "ID": 1,
        "Enabled": 0,
        "Sensitivity": 100,
        "AlarmInterval": 100,
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
```

```
        },
        "TimeThreshold": 100,
        "PolygonArea": {
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      }
    }
  }
}
```

6.10.9.4 Set the Fast Move Detection Area Configuration

6.10.9.4.1 Overview

Names	Description
Interface Description	Set the fast move detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.9.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones
AreaRuleInfoList	object	body	true	List of zone rules
+ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled

Parameter Names	Parameter type	Parameter location	Required	Description
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 100] Unit: second
+PolygonArea	object	body	true	Polygon region
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++X	integer	body	true	X-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.9.4.4 Example of Request Parameters

```
{
  "Num": 4,
  "AreaRuleInfoList": {
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 100,
    "AlarmInterval": 100,
    "ObjectMaxSize": {
      "Width": 5000,
      "Height": 5000
    },
    "ObjectMinSize": {
      "Width": 5000,
      "Height": 5000
    },
```

guest41121A 2024/11/21 09:40:03

```
    "TimeThreshold": 100,
    "PolygonArea": {
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    }
  }
}
```

6.10.9.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.9.4.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.9.5 Get the Fast Move Detection Specified Area Configuration

6.10.9.5.1 Overview

Names	Description
Interface Description	Get the fast move detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	GET

Names	Description
How data is submitted	application/json

6.10.9.5.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.5.3 Request Parameters

None

6.10.9.5.4 Example of Request Parameters

None

6.10.9.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000

Parameter Names	Parameter type	Parameter location	Required	Description
				Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++TimeThreshold	integer	body	true	Time threshold Value range: [1, 100] Unit: second
++PolygonArea	object	body	true	Polygon area
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.9.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 100,
      "AlarmInterval": 100,
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      },
      "TimeThreshold": 100,
      "PolygonArea": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
```

```
        }
      }
    }
  }
```

6.10.9.6 Set the Fast Move Detection Area

6.10.9.6.1 Overview

Names	Description
Interface Description	Set the fast move detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.9.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
ObjectMaxSize	object	body	true	Maximum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

Parameter Names	Parameter type	Parameter location	Required	Description
ObjectMinSize	object	body	true	Minimum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
TimeThreshold	integer	body	true	Time threshold Value range: [1, 100] Unit: second
PolygonArea	object	body	true	Polygon area
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.9.6.4 Example of Request Parameters

```
{
  "ID": 1,
  "Enabled": 0,
  "Sensitivity": 100,
  "AlarmInterval": 100,
  "ObjectMaxSize": {
    "Width": 5000,
    "Height": 5000
  },
  "ObjectMinSize": {
    "Width": 5000,
    "Height": 5000
  },
  "TimeThreshold": 100,
  "PolygonArea": {
    "PointNum": 4,
    "PointList": [
      {
        "X": 5000,
        "Y": 5000
      }
    ]
  }
}
```

6.10.9.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.9.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/Areas/<ID>?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.9.7 Get the Quick Move Detection Monitor Plan Configuration

6.10.9.7.1 Overview

Names	Description
Interface Description	Get the quick move detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.9.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.7.3 Request Parameters

None

6.10.9.7.4 Example for Request Parameters

None

6.10.9.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Planned days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide When time range Num is 0, this field is optional
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police

Parameter names	Parameter type	Parameter location	Required	Description
				4: motion or police 5: No plan 10: Events

6.10.9.7.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00：00：00",
              "End": "24：00：00",
              "ArmingType": 5
            }
          ]
        }
      ]
    }
  }
}
```


6.10.9.8 Set Quick Move Detection Monitor Plan Configuration

6.10.9.8.1 Overview

Names	Description
Interface Description	Set the quick move detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.9.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Monitor type Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.9.8.4 Example of Request Parameters

```
{
```

```
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00：00：00",
          "End": "24：00：00",
          "ArmingType": 5
        }
      ]
    }
  ]
}
```


6.10.9.8.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.9.8.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.9.9 Get the Fast Move Detection Linkage Configuration

6.10.9.9.1 Overview

Names	Description
Interface Description	Get the fast move detection linkage configuration
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.9.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.9.3 Request Parameters

None

6.10.9.9.4 Example of Request Parameters

None

6.10.9.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage item IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer

Parameter Names	Parameter type	Parameter location	Required	Description
				2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.9.9.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.9.10 Set the Fast Move Detection Linkage Configuration

6.10.9.10.1 Overview

Names	Description
Interface Description	Set the fast move detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FastMovingDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.9.10.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.9.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	If Num is 0, this node is not required
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Preview the linkage NVR 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.9.10.4 Example of Request Parameters

```
{
  "Num": 8,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.10.9.10.5 Return Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.9.10.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FastMovingDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.10 Sleeping Post Detection

6.10.10.1 Set the Configuration Information of the Sleeping Post Detection Rule

6.10.10.1.1 Overview

Names	Description
Interface Description	Set the configuration information of the sleeping post detection rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.10.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Sleep Post Detect enable switch 0: Disables it 1: Enables the function

6.10.10.1.4 Example of Request Parameters

```
{
   "Enabled": 0
}
```

6.10.10.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.10.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.10.2 Get the Sleep Post Detection Rule Configuration Information

6.10.10.2.1 Overview

Names	Description
Interface Description	Get the sleep detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET

Names	Description
How data is submitted	application/json

6.10.10.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.2.3 Request Parameters

None

6.10.10.2.4 Example of Request Parameters

None

6.10.10.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Sleep Post Detect enable switch 0: disables 1: enabled

6.10.10.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.10.3 Set the Sleeping Post Detection Area Configuration

6.10.10.3.1 Overview

name	Description
Interface Description	Set the sleeping post detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.10.3.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones, range of values: [1, 4]
AreaRuleInfoList	object	body	true	List of zone rules
+ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
+TimeThreshold	integer	body	true	Sleep post trigger time, in seconds Value range: [10, 1800]
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]

Parameter Names	Parameter type	Parameter location	Required	Description
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.10.3.4 Example of Request Parameters

```
{
   "Num": 1,
   "AreaRuleInfoList": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 50,
      "AlarmInterval": 1,
      "TimeThreshold": 100,
      "ObjectMaxSize": {
         "Width": 5000,
         "Height": 5000
      },
      "ObjectMinSize": {
         "Width": 5000,
         "Height": 5000
      },
      "PolygonArea": {
         "PointNum": 4,
         "PointList": [
            {
               "X": 5000,
               "Y": 5000
            }
         ]
      }
   }
}
```

6.10.10.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.10.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/Areas?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.10.4 Get the Sleeping Post Detection Area Configuration

6.10.10.4.1 Overview

Names	Description
Interface Description	Get the Sleeping Post detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.10.4.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.4.3 Request Parameters

None

6.10.10.4.4 Example of Request Parameters

None

6.10.10.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Number of zones, range of values: [1, 4]
++AreaRuleInfoList	object	body	true	List of zone rules
+++ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
+++TimeThreshold	integer	body	true	Sleep post trigger time, in seconds Value range: [10, 1800]
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+++PolygonArea	object	body	true	Polygon region
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]

Parameter name	Parameter type	Parameter location	Required	Description
++++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.10.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "AreaRuleInfoList": {
        "ID": 1,
        "Enabled": 0,
        "Sensitivity": 50,
        "AlarmInterval": 1,
        "TimeThreshold": 100,
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
        },
        "PolygonArea": {
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      }
    }
  }
}
```


6.10.10.5 Get the Sleep Post Detection Specified Area Configuration

6.10.10.5.1 Overview

Names	Description
Interface description	Get the Sleep Post detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.10.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.5.3 Request Parameters

None

6.10.10.5.4 Example of Request Parameters

None

6.10.10.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detection area ID Same as the zone ID carried in the URL Value range: [0, 4]
++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second

Parameter names	Parameter type	Parameter location	Required	Description
++TimeThreshold	integer	body	true	Sleep post trigger time, in seconds Value range: [10, 1800]
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
++PolygonArea	object	body	true	Polygon area
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.10.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 50,
      "AlarmInterval": 1,
      "TimeThreshold": 100,
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
```

```
        },
        "PolygonArea": {
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      }
    }
}
```

6.10.10.6 Set Sleeping Post Detection Specified Area Configuration

6.10.10.6.1 Overview

name	Description
Interface Description	Set sleeping post detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.10.6.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone ID Same as the zone ID carried in the URL Value range: [0, 4]
Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Value range: [1, 100]
AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100] Unit: second
TimeThreshold	integer	body	true	Sleep post trigger time, in seconds

Parameter Names	Parameter type	Parameter location	Required	Description
				Value range: [10, 1800]
ObjectMaxSize	object	body	true	Maximum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
ObjectMinSize	object	body	true	Minimum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
PolygonArea	object	body	true	Polygon area
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.10.6.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 50,
   "AlarmInterval": 1,
   "TimeThreshold": 100,
   "ObjectMaxSize": {
      "Width": 5000,
      "Height": 5000
   },
   "ObjectMinSize": {
      "Width": 5000,
      "Height": 5000
   },
   "PolygonArea": {
      "PointNum": 4,
      "PointList": [
         {
            "X": 5000,
            "Y": 5000
```

```
        }
      ]
    }
}
```

6.10.10.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.10.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/Areas/<ID>?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.10.7 Set the Monitor Plan Configuration for Sleeping Post Detection

6.10.10.7.1 Overview

Names	Description
Interface Description	Set the sleeping post detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.10.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.7.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time The format is hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarms of all types can be deployed only in scheduled mode. Video and capture plans are supported The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.10.7.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```


6.10.10.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.10.7.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.10.8 Get the Monitor Plan Configuration for Sleeping Post Detection

6.10.10.8.1 Overview

Names	Description
Interface Description	Get the Sleeping Post detection Monitor plan configuration
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/SleepingDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.10.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	string	true	1	Channel ID

6.10.10.8.3 Request Parameters

None

6.10.10.8.4 Example of Request Parameters

None

6.10.10.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday

Parameter Names	Parameter type	Parameter location	Required	Description
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.10.8.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.10.10.9 Set the Sleeper Detection Linkage Configuration

6.10.10.9.1 Overview

Names	Description
Interface Description	Set the sleep post detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/LinkageActions?ChannelID=<ChannelID>
Interface request method	PUT
Data submission method	application/json

6.10.10.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	string	false	1	Channel

6.10.10.9.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: activates the buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters

Parameter name	Parameter type	Parameter location	Required	Description
				The linkage parameter configuration varies according to different linkage items. For details, see 7.2.1 Alarm Linkage Action Parameter Table

6.10.10.9.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.10.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.10.9.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.10.10 Get the Sleep Detection Linkage Configuration

6.10.10.10.1 Overview

Names	Description
Interface Description	Get the Sleep post detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SleepingDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.10.10.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.10.10.3 Request Parameters

None

6.10.10.10.4 Example of Request Parameters

None

6.10.10.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage item IDActID is associated with ActParam and configured in ActParam with linkage parameters

Parameter Name	Parameter type	Parameter location	Required	Description
				Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.10.10.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SleepingDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.11 Off-Duty Detection

6.10.11.1 Configure Off-Duty Detection Rule

6.10.11.1.1 Overview

Names	Description
Interface Description	Configure Off-Duty Detection Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/OffDutyDetect/Rule?ChannelID=<ChannelID>

Names	Description
Interface Request Method	PUT
Data submission method	application/json

6.10.11.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.11.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Off duty detection enable switch 0: disables it 1: enabled

6.10.11.1.4 Example of Request Parameters

```
{
   "Enabled": 0
}
```

6.10.11.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.11.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/OffDutyDetect/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
```

```
  }
}
```

6.10.11.2 Get the Configuration Information of the Departure Detection Rule

6.10.11.2.1 Overview

Names	Description
Interface Description	Get the configuration information about the departure detection rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/OffDutyDetect/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
Data submission method	application/json

6.10.11.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.11.2.3 Request Parameters

None

6.10.11.2.4 Example of Request Parameters

None

6.10.11.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Off duty detection enable switch 0: disables it 1: enabled

6.10.11.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/OffDutyDetect/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.11.3 Configure Monitor Plan for Off-Duty Detection

6.10.11.3.1 Overview

Names	Description
Interface Description	Configure monitor plan for off-duty detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/OffDutyDetect/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.11.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.11.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday

Parameter Names	Parameter type	Parameter location	Required	Description
				7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.11.3.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.10.11.3.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.11.3.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/OffDutyDetect/WeekPlan?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.11.4 Get the Monitor Plan Configuration for Off-Duty Detection

6.10.11.4.1 Overview

Names	Description
Interface Description	Get the Monitor plan configuration for off-duty detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/OffDutyDetect/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.11.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.11.4.3 Request Parameters

None

6.10.11.4.4 Example of Request Parameters

None

6.10.11.4.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information Periods of the same day cannot overlap This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police

Parameter Name	Parameter type	Parameter location	Required	Description
				3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.11.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/OffDutyDetect/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.10.11.5 Set Linkage Configurations for Off-Duty Detection

6.10.11.5.1 Overview

Names	Description
Interface Description	Set the linkage configuration of off-duty detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/OffDutyDetect/LinkageActions?ChannelID=<ChannelID>
Interface request method	PUT
Data submission method	application/json

6.10.11.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.11.5.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: activates the buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameter configuration varies according to different linkage items. For details, see 7.2.1 Alarm Linkage Action Parameter Table

6.10.11.5.4 Example of Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.10.11.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.11.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/OffDutyDetect/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.11.6 Get the Linkage Configuration of Off-Duty Detection

6.10.11.6.1 Overview

Names	Description
Interface Description	Get the linkage configuration of off-duty detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/OffDutyDetect/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.11.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.11.6.3 Request Parameters

None

6.10.11.6.4 Example of Request Parameters

None

6.10.11.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage item IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.11.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/OffDutyDetect/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
```

```
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 28,
            "ActParam": {}
          }
        ]
      }
    }
}
```

6.10.12 Reflective Suit Detection

6.10.12.1 Set the Configuration of Reflective Suit Detection Rules

6.10.12.1.1 Overview

Names	Description
Interface Description	Set the configuration of reflective suit detection rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.12.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Reflective suit detection Enable switch 0: Disables 1: enabled

6.10.12.1.4 Example of Request Parameters

```
{
  "Enabled": 0
}
```

6.10.12.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.12.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.12.2 Get the Configuration Information About Reflective Suit Detection Rules

6.10.12.2.1 Overview

Names	Description
Interface Description	Get the configuration information of the reflective suit detection rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.12.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.2.3 Request Parameters

None

6.10.12.2.4 Example of Request Parameters

None

6.10.12.2.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Reflective suit detection Enable switch 0: Disables 1: enabled

6.10.12.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.12.3 Set the Reflective Suit Detection Area Configuration

6.10.12.3.1 Overview

Names	Description
Interface Description	Set the reflective suit detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.12.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones Range of values: [1, 4]
AreaRuleInfoList	object[]	body	false	Zone rule list
+ID	integer	body	true	The detect zone ID is the same as the zone ID carried in the URL
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.12.3.4 Example of Request Parameters

```
{
  "Num": 1,
  "AreaRuleInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 50,
      "PolygonArea": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    }
```

```
  ]
}
```

6.10.12.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.12.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.12.4 Get the Reflective Suit Detection Area Configuration

6.10.12.4.1 Overview

Names	Description
Interface Description	Get the reflective suit detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas?ChannelID=<ChannelID>
Interface request method	GET
How data is submitted	application/json

6.10.12.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.4.3 Request Parameters

None

6.10.12.4.4 Example of Request Parameters

None

6.10.12.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of zones Range of values: [1, 4]
++AreaRuleInfoList	object[]	body	false	Region rule list
+++ID	integer	body	true	The detect zone ID is the same as the zone ID carried in the URL
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.12.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "AreaRuleInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 50,
          "PolygonArea": {
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        }
      ]
    }
  }
}
```


6.10.12.5 Set Reflective Suit Detection Specified Area Configuration

6.10.12.5.1 Overview

name	Description
Interface Description	Set reflective suit detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.12.5.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	The detect zone ID is the same as the zone ID carried in the URL

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
PolygonArea	object	body	true	Polygon area
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.12.5.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 50,
   "PolygonArea": {
      "PointNum": 4,
      "PointList": [
         {
            "X": 5000,
            "Y": 5000
         }
      ]
   }
}
```

6.10.12.5.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Names	Parameter type	Parameter position	Required	Description
+Data	object	body	true	Response data

6.10.12.5.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas/<ID>?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.12.6 Get Reflective Suit Detection Specified Area Configuration

6.10.12.6.1 Overview

Names	Description
Interface Description	Get reflective suit detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.12.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.6.3 Request Parameters

None

6.10.12.6.4 Example of Request Parameters

None

6.10.12.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	The detect zone ID is the same as the zone ID carried in the URL
++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
++PolygonArea	object	body	true	Polygon area
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

6.10.12.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 50,
      "PolygonArea": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
```

```
        }
      }
    }
  }
```

6.10.12.7 Set the Monitor Plan Configuration for Reflective Suit Detection

6.10.12.7.1 Overview

Names	Description
Interface Description	Set the monitor plan configuration for reflective suit detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.12.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide

Parameter Names	Parameter type	Parameter location	Required	Description
				This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.10.12.7.4 Example of Request Parameters

```
{
   "Num": 1,
   "Days": [
      {
         "ID": 1,
         "Num": 1,
         "TimeSectionInfos": [
            {
               "Begin": "00:00:00",
               "End": "23:59:59",
               "ArmingType": 0
            }
         ]
      }
   ]
}
```

6.10.12.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.12.7.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/WeekPlan?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.12.8 Get the Monitor Plan Configuration for Reflective Suit Detection

6.10.12.8.1 Overview

Names	Description
Interface Description	Get the monitor plan configuration for reflective suit detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.12.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.8.3 Request Parameters

None

6.10.12.8.4 Example of Request Parameters

None

6.10.12.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.12.8.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.10.12.9 Set the Linkage Configuration of Reflective Suit Detection

6.10.12.9.1 Overview

Names	Description
Interface Description	Set the linkage configuration of reflective suit detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.12.9.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity

Parameter Names	Parameter type	Parameter location	Required	Description
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.12.9.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.12.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter Names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.12.9.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.12.10 Get the Linkage Configuration for Reflective Suit Detection

6.10.12.10.1 Overview

Names	Description
Interface Description	Get the linkage configuration for reflective suit detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ReflectiveClothesDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.12.10.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.12.10.3 Request Parameters

None

6.10.12.10.4 Example of Request Parameters

None

6.10.12.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection support 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.12.10.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ReflectiveClothesDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
```

```
            "ActID": 28,
            "ActParam": {}
          }
        ]
      }
    }
}
```

6.10.13 Fight Detection

6.10.13.1 Configure Fight Detection Rules

6.10.13.1.1 Overview

Names	Description
Interface Description	Configure fight detection rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.13.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Fight detection Enable switch 0: Disables 1: enabled

6.10.13.1.4 Example of Request Parameters

```
{
  "Enabled": 0
}
```

6.10.13.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.13.1.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.13.2 Get Fight Detection Rule Configuration Information

6.10.13.2.1 Overview

name	Description
Interface Description	Get fight detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.13.2.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.2.3 Request Parameters

None

6.10.13.2.4 Example of Request Parameters

None

6.10.13.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Fight detection Enable switch 0: Disables 1: enabled

6.10.13.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.13.3 Set the Fight Detection Area Configuration

6.10.13.3.1 Overview

Names	Description
Interface Description	Set the fight detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.13.3.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones
AreaRuleInfoList	object	body	false	Zone rule list
+ID	integer	body	true	Zone ID
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 100], unit: second
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Detects the number of vertices in the area polygon pattern Value range: [3, 6]
++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.13.3.4 Example of Request Parameters

```
{
  "Num": 4,
  "AreaRuleInfoList": {
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 1,
    "AlarmInterval": 1,
    "TimeThreshold": 1,
```

```
    "PolygonArea": {
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    },
    "ObjectMaxSize ": {
      "Width": 5000,
      "Height": 5000
    }
  }
}
```

6.10.13.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.13.3.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.13.4 Get the Fight Detection Area Configuration

6.10.13.4.1 Overview

Names	Description
Interface Description	Get the fight detection area configuration
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/FightDetection/Areas?ChannelID=<ChannelID>
Interface request method	GET
How data is submitted	application/json

6.10.13.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.4.3 Request Parameters

None

6.10.13.4.4 Example for Request Parameters

None

6.10.13.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of zones
++AreaRuleInfoList	object	body	false	Zone rule list
+++ID	integer	body	true	Zone ID
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+++Sensitivity	integer	body	true	sensitivity Range of values: [1, 100]
+++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 100], unit: second

Parameter name	Parameter type	Parameter location	Required	Description
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.13.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "AreaRuleInfoList": {
        "ID": 1,
        "Enabled": 0,
        "Sensitivity": 1,
        "AlarmInterval": 1,
        "TimeThreshold": 1,
        "PolygonArea": {
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        },
        "ObjectMaxSize ": {
          "Width": 5000,
          "Height": 5000
```

```
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
        }
      }
    }
  }
}
```

6.10.13.5 Set the Fight Detection Specified Area Configuration

6.10.13.5.1 Overview

Names	Description
Interface Description	Set the fight detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.13.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Zone ID
Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
TimeThreshold	integer	body	true	Time threshold Value range: [1, 100], unit: second
PolygonArea	object	body	true	Polygon area
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]

Parameter Names	Parameter type	Parameter location	Required	Description
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.13.5.4 Example of Request Parameters

```
{
  "ID": 1,
  "Enabled": 0,
  "Sensitivity": 1,
  "AlarmInterval": 1,
  "TimeThreshold": 1,
  "PolygonArea": {
    "PointNum": 4,
    "PointList": [
      {
        "X": 5000,
        "Y": 5000
      }
    ]
  }
}
```

6.10.13.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.13.5.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/Areas/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
```

```
  }
}
```

6.10.13.6 Get the Fight Detection Specified Area Configuration

6.10.13.6.1 Overview

Names	Description
Interface Description	Get the Fight Detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/Areas/<ID>?ChannelID=<ChannelID>&ID=<ID>
Interface Request Method	GET
How data is submitted	application/json

6.10.13.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID
ID	integer	true	1	Zone ID

6.10.13.6.3 Request Parameters

None

6.10.13.6.4 Example for Request Parameters

None

6.10.13.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Zone ID

Parameter Names	Parameter type	Parameter location	Required	Description
++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
++TimeThreshold	integer	body	true	Time threshold Value range: [1, 100], unit: second
++PolygonArea	object	body	true	Polygon area
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon pattern Value range: [3, 6]
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.13.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/Areas/<ID>?ChannelID=<ChannelID>&ID=<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "AlarmInterval": 1,
      "TimeThreshold": 1,
      "PolygonArea": {
        "PointNum": 4,
```

```
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      },
      "ObjectMaxSize ": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      }
    }
  }
}
```


6.10.13.7 Get the Fight Detection Monitor Plan Configuration

6.10.13.7.1 Overview

Names	Description
Interface Description	Get the fight detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.13.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.7.3 Request Parameters

None

6.10.13.7.4 Example of Request Parameters

None

6.10.13.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time The format is hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.13.7.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00：00：00",
              "End": "24：00：00",
              "ArmingType": 5
            }
          ]
        }
      ]
    }
  }
}
```


6.10.13.8 Set the Fight Detection Monitor Plan Configuration

6.10.13.8.1 Overview

Names	Description
Interface description	Set the fight detection monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.13.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: disables 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.10.13.8.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
```

```
            "Begin": "00：00：00",
            "End": "24：00：00",
            "ArmingType": 5
          }
        ]
      }
    ]
}
```

6.10.13.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.13.8.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.13.9 Set the Fight Detection Linkage Configuration

6.10.13.9.1 Overview

Names	Description
Interface Description	Set the fight detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.13.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	The linkage item was enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.13.9.4 Example of Request Parameters

```
{
   "Num": 8,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.13.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.13.9.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.13.10 Get the Fight Detection Linkage Configuration

6.10.13.10.1 Overview

Names	Description
Interface Description	Get the fight detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FightDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.13.10.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.13.10.3 Request Parameters

None

6.10.13.10.4 Example of Request Parameters

None

6.10.13.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.13.10.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FightDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

```
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```


6.10.14 Face

6.10.14.1 Retrieving Face Traffic Records

6.10.14.1.1 Overview

Names	Description
Interface Description	Retrieve face traffic records
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/PassRecord
Interface request method	POST
How to submit data	application/json

6.10.14.1.2 URL Description

None

6.10.14.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Query the number of criteria Value range: [1,]
QueryInfos	object[]	body	true	Query criteria list
+QryType	integer	body	true	Query criteria 0: User name 1: organization name 2: name of the device 3: channel name 4: Time, in UTC format, unit of second 5: Service type (equivalent to main type) 6: Operation type (equivalent to sub-type) 7: Operation object 8: alarm type 9: name of the alarm source

Parameter Names	Parameter type	Parameter location	Required	Description
				10: indicates the alarm severity 11: indicates whether the alarm is confirmed 12: indicates the user who acknowledges the alarm 13: time when the alarm is acknowledged 14: alarm device ID 15: alarm channel ID 16: alarm subtype 17: Owning server
+QryCondition	integer	body	true	Query the conditional logical type 0: equal 1: greater than 2: Less than 3: The value is greater than or equal to 4: less than or equal to 5: not equal to 6: fuzzy query 7: IN collection 8: In ascending order 9: Descending order
+QryData	string	body	true	Query the Rvalue of the condition The alarm type is expressed as a string. Multiple types of Queryre supported. The alarm types are separated by commas. A maximum of 16 alarm types are supported at one time. This field is not required when the value of QryCondition is 6 or 7 Currently, only single-type queries are supported
Limit	integer	body	true	Number of queries per query, up to 32 Value range: [1, 32]
Offset	integer	body	true	Query the start sequence number, starting from the current sequence number, starting from 0 Value range: [0,]

6.10.14.1.4 Example of Request Parameters

```
{
   "Num": 1,
   "QueryInfos": [
      {
         "QryType": 6,
         "QryCondition": 0,
         "QryData": "DiskOffline"
      }
   ],
   "Limit": 20,
   "Offset": 1
}
```

6.10.14.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Total	integer	body	true	Face pass record total
++Num	integer	body	true	Face pass records the number of query results
++FacePassRecordInfoList	object[]	body	false	Face access record query result list. If Num is 0, it is not included
+++RecordID	integer	body	true	Face pass record ID Value range: [1,]
+++Type	integer	body	true	Record type
+++PassingTime	integer	body	true	Human time, in UTC format, in seconds
+++ChannelName	string	body	true	Capture the channel name String length range: [1, 63]
+++ChannelID	integer	body	true	Channel ID
+++Age	integer	body	true	Age
+++Gender	integer	body	true	Gender
+++Emotion	integer	body	true	Emotions
+++EyeGlass	integer	body	true	Glasses
+++Smile	integer	body	true	Smiles
+++Mask	integer	body	true	facemask.
+++Beard	integer	body	true	Beard
+++Attractive	integer	body	true	Appearance level
+++CompareInfo	object	body	true	Comparison information
++++Similarity	integer	body	false	Similarity, matching alarms with this field This parameter is mandatory when the face traffic record type is successful alarm and failed alarm Value range: [0, 100]
++++FeatureNum	integer	body	false	Number of semi-structured features
++++FeatureList	string[]	body	false	Semi-structured feature list information

Parameter Names	Parameter type	Parameter location	Required	Description
++++PersonInfo	string[]	body	false	Face library member information, matching the alarm tape with this field
++++MemberInfo	object	body	false	Face library member information, matching the alarm tape with this field
+++++Gender	integer	body	true	Gender of member 0: Male 1: Female
+++++Birthday	string	body	false	Member's date of birth String length range: [1, 31]
+++++Region	object	body	false	Member region information
++++++Nation	string	body	true	Nationality, scope: [1, 63]
++++++Province	string	body	true	Province, range: [1, 63]
++++++City	string	body	true	City, range: [1, 63]
+++++Identification	object	body	true	Member ID information
++++++Type	integer	body	true	Type of ID, only Speedway gate supports IC cards 0: ID card 1: IC card 2: Passport 3: Driving license 99: Other
++++++Number	string	body	true	Id number String length range: [1, 127]
+++++ImageNum	integer	body	true	Number of pictures
+++++ImageList	object	body	true	Picture information
++++++FaceID	integer	body	true	Face ID
++++++Type	string	body	true	File type
++++++LastChan	integer	body	true	Last modified time
++++++Name	string	body	true	File Name Real-time history when pushed, use the name field to push the picture string length range: [1, 16]
++++++Size	integer	body	true	File Size Unit: bytes When real-time history is pushed, use the SIZE field to push pictures
++++++Data	string	body	true	When the file Base64 Data real-time history is pushed, use the data field to push the picture
++++++URL	string	body	true	When querying image URL history, use the URL field to report image information
+++++CustomNum	integer	body	true	Customize the number of property values

Parameter Names	Parameter type	Parameter location	Required	Description
+++++CustomValueList	integer[]	body	false	Custom list of property values, which can be left blank when Num is 0
+++++IsMonitored	integer	body	false	Monitor state Whether it is deployed or not, it is required for the Get method 0: Not deployed 1: Monitor
+++++DatabaseNum	integer	body	true	Number of faces belonging to the library, the Post method does not carry this field
+++++DatabaseIDList	integer[]	body	false	Owning face library ID list, DatabaseNum is 0, without this field
++++FaceAttr	object	body	false	Face attribute, which VMS carry only when querying structured data
+++++EyebrowStyle	integer	body	false	Eyebrow shape, optional when undetected See 7.4 Person Information Element Definitions for details
+++++WrinklePouch	integer	body	false	Wrinkled eye band, optional when undetected See 7.4 Person Information Element Definitions for details
+++++NoseStyle	integer	body	false	Nose type, optional when undetected See 7.4 Definition of People Information Elements for details
+++++LipStyle	integer	body	false	Lip type, optional when undetected See 7.4 Person Information Element Definitions for details
+++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not detected 0: unknown 1: Not wearing 2: Wear
+++++ScarfColor	integer	body	false	Scarf color, optional when undetected See 7.4 Person Information Element Definitions for details
+++++Temperature	number	body	false	Body temperature, optional if not detected Unit: degrees Celsius Accuracy: 2 decimal places
++++PersonAttr	object	body	false	Human attributes, which VMS carry only when querying structured data
++++SnapshotImage	object	body	true	Snap pictures
+++++BigImage	object	body	true	Large picture information, face condition Querynd capture report do not carry
++++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++++Data	string	body	true	File Base64 data

Parameter Names	Parameter type	Parameter location	Required	Description
				When recording push in real time, use the Data field to push pictures
++++++Type	integer	body	true	File type
++++++LastChange	integer	body	true	Last modified time
+++++SmallImage	object	body	true	Minimap information
++++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
++++++Type	integer	body	true	File type
++++++LastChange	integer	body	true	Last modified time

6.10.14.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/PassRecord",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Total": 20,
      "Num": 20,
      "FacePassRecordInfoList": [
        {
          "RecordID": 1,
          "Type": 0,
          "PassingTime": 1620412142,
          "ChannelName": "XXX ",
          "ChannelID": 0,
          "Age": 0,
          "Gender": 0,
          "Emotion": 0,
          "EyeGlass": 0,
          "Smile": 0,
          "Mask": 0,
          "Beard": 0,
          "Attractive": 0,
          "CompareInfo": {
            "Similarity": 80,
            "FeatureNum": 0,
            "FeatureList": [
              "string"
            ],
            "PersonInfo": [
              "string"
```

```
        ],
        "MemberInfo": {
          "Gender": 1,
          "Birthday": "19981101",
          "Region": {
            "Nation": "China",
            "Province": "ZheJiang",
            "City": "HangZhou"
          },
          "Identification": {
            "Type": 0,
            "Number": "330223198905211523"
          },
          "ImageNum": 0,
          "ImageList": {
            "FaceID": 0,
            "Type": "string",
            "LastChan": 0,
            "Name": "string",
            "Size": 0,
            "Data": "string",
            "URL": "string"
          },
          "CustomNum": 1,
          "CustomValueList": [
            0
          ],
          "IsMonitored": 0,
          "DatabaseNum": 0,
          "DatabaseIDList": [
            1
          ]
        },
        "FaceAttr": {
          "EyebrowStyle": 0,
          "WrinklePouch": 0,
          "NoseStyle": 0,
          "LipStyle": 0,
          "MaskFlag": 0,
          "ScarfColor": 0,
          "Temperature": 0
        },
        "PersonAttr": {},
        "SnapshotImage": {
          "BigImage": {
            "Size": 1,
            "Data": "string",
            "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXX.jpg",
            "Type": 0,
            "LastChange": 0
          },
          "SmallImage": {
            "Size": 1,
            "Data": "string",
            "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXX.jpg",
            "Type": 0,
            "LastChange": 0
          }
        }
      }
    }
  ]
```

```
    }
  }
}
```

6.10.15 Climbing Detection

6.10.15.1 Set the Configuration of the Climbing Detection Rule

6.10.15.1.1 Overview

Names	Description
Interface Description	Set the configuration of the climbing detection rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.15.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Climb detection enable switch 0: disables it 1: enabled

6.10.15.1.4 Example for Request Parameters

```
{
  "Enabled": 0
}
```

6.10.15.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.15.1.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.15.2 Get the Configuration of the Climbing Detection Rule

6.10.15.2.1 Overview

Names	Description
Interface Description	Get the configuration information about the climbing detection rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.15.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.2.3 Request Parameters

None

6.10.15.2.4 Example of Request Parameters

None

6.10.15.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Climb detection enable switch 0: disables it 1: enabled

6.10.15.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.15.3 Set the Climbing Detection Area Configuration

6.10.15.3.1 Overview

Names	Description
Interface Description	Set the climbing detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.15.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones
AreaRuleInfoList	object	body	true	List of zone rules
+ID	integer	body	true	Zone ID, starting with 1
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
+TimeThreshold	integer	body	true	Time threshold. The value ranges from [1 to 100], in seconds
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.15.3.4 Example of Request Parameters

```
{
```

```
  "Num": 4,
  "AreaRuleInfoList": {
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 100,
    "AlarmInterval": 1,
    "TimeThreshold": 1,
    "ObjectMaxSize": {
      "Width": 5000,
      "Height": 5000
    },
    "ObjectMinSize": {
      "Width": 5000,
      "Height": 5000
    },
    "PolygonArea": {
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    }
  }
}
```


6.10.15.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.15.3.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.15.4 Get the Climbing Detection Area Configuration

6.10.15.4.1 Overview

name	Description
Interface Description	Get the climbing detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.15.4.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.4.3 Request Parameters

None

6.10.15.4.4 Example for Request Parameters

None

6.10.15.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of zones
++AreaRuleInfoList	object	body	true	List of zone rules
+++ID	integer	body	true	Zone ID, starting with 1
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled

Parameter Names	Parameter type	Parameter location	Required	Description
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
+++TimeThreshold	integer	body	true	Time threshold. The value ranges from [1 to 100], in seconds
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.15.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "AreaRuleInfoList": {
        "ID": 1,
        "Enabled": 0,
        "Sensitivity": 100,
        "AlarmInterval": 1,
        "TimeThreshold": 1,
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
```

```
            "Width": 5000,
            "Height": 5000
          },
          "PolygonArea": {
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        }
      }
    }
}
```

6.10.15.5 Set the Climbing Detection Specified Area Configuration

6.10.15.5.1 Overview

Names	Description
Interface Description	Set the climbing detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/Areas/<ID>?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.15.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Zone ID, starting with 1
Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]

Parameter Names	Parameter type	Parameter location	Required	Description
TimeThreshold	integer	body	true	Time threshold. The value ranges from [1 to 100], in seconds
ObjectMaxSize	object	body	true	Maximum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
ObjectMinSize	object	body	true	Minimum target size
+Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
PolygonArea	object	body	true	Polygon area
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.15.5.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 100,
   "AlarmInterval": 1,
   "TimeThreshold": 1,
   "ObjectMaxSize": {
      "Width": 5000,
      "Height": 5000
   },
   "ObjectMinSize": {
      "Width": 5000,
      "Height": 5000
   },
   "PolygonArea": {
      "PointNum": 4,
      "PointList": [
         {
            "X": 5000,
            "Y": 5000
         }
      ]
   }
}
```

6.10.15.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.15.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/Areas/<ID>?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.15.6 Get the Climb Detection Specified Area Configuration

6.10.15.6.1 Overview

Names	Description
Interface Description	Get the climb detection specified area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/Areas/<ID>?ChannelID=<ChannelID>&ID=<ID>
Interface Request Method	GET
How data is submitted	application/json

6.10.15.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID
ID	integer	true	1	Zone ID

6.10.15.6.3 Request Parameters

None

6.10.15.6.4 Example for Request Parameters

None

6.10.15.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Zone ID, starting with 1
++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
++TimeThreshold	integer	body	true	Time threshold. The value ranges from [1 to 100], in seconds
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++PolygonArea	object	body	true	Polygon area
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]

Parameter Names	Parameter type	Parameter location	Required	Description
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.15.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/Areas/<ID>?ChannelID=<ChannelID>&ID=<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 100,
      "AlarmInterval": 1,
      "TimeThreshold": 1,
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      },
      "PolygonArea": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    }
  }
}
```


6.10.15.7 Configure Monitor Plan for Climbing Detection

6.10.15.7.1 Overview

Names	Description
Interface Description	Set the configuration of the climbing detection Monitor plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/WeekPlan?ChannelID=<ChannelID>

Names	Description
Interface Request Method	PUT
Data submission method	application/json

6.10.15.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police

Parameter Names	Parameter type	Parameter location	Required	Description
				3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.15.7.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00：00：00",
          "End": "24：00：00",
          "ArmingType": 5
        }
      ]
    }
  ]
}
```

6.10.15.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.15.7.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.15.8 Get the configuration of the monitor plan for Climbing detection

6.10.15.8.1 Overview

Names	Description
Interface description	Get the configuration of the climbing detection monitor plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.15.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.8.3 Request Parameters

None

6.10.15.8.4 Example of Request Parameters

None

6.10.15.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
++Days	object[]	body	true	List of Monitor plans for each day of the week

Parameter Names	Parameter type	Parameter location	Required	Description
+++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum size of NVR is 8 segments
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Call the police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.15.8.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00：00：00",
              "End": "24：00：00",
              "ArmingType": 5
```

```
            }
          ]
        }
      ]
    }
  }
}
```

6.10.15.9 Set the Climbing Detection Linkage

6.10.15.9.1 Overview

Names	Description
Interface Description	Set the linkage configuration for climbing detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.15.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture

Parameter Names	Parameter type	Parameter location	Required	Description
				7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: linkage alarm is reported 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.15.9.4 Example of Request Parameters

```
{
   "Num": 8,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.15.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.15.9.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.15.10 Get the Climbing Detection Linkage Configuration

6.10.15.10.1 Overview

Names	Description
Interface Description	Get the linkage configuration of climbing detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/ClimbingDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.15.10.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.15.10.3 Request Parameters

None

6.10.15.10.4 Example of Request Parameters

None

6.10.15.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported

Parameter Name	Parameter type	Parameter location	Required	Description
				1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection support 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.15.10.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/ClimbingDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.16 Hat Detection

6.10.16.1 Get the Configuration Information About the Hat Detection Rule

6.10.16.1.1 Overview

Names	Description
Interface Description	Get the configuration information about the hat detection rule

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.16.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.1.3 Request Parameters

None

6.10.16.1.4 Example of Request Parameters

None

6.10.16.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Hard hat detect enable switch 0: Disables 1: enabled

6.10.16.1.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/Rule?ChannelID=<ChannelID>",
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {
```

```
        "Enabled": 0
      }
    }
}
```

6.10.16.2 Set the Hat Detection Rule Configuration Information

6.10.16.2.1 Overview

Names	Description
Interface Description	Set the hat detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.16.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Hard hat detect enable switch 0: Disables 1: enabled

6.10.16.2.4 Example for Request Parameters

```
{
   "Enabled": 0
}
```

6.10.16.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.16.2.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.16.3 Get the Hat Detection Area Configuration

6.10.16.3.1 Overview

Names	Description
Interface Description	Get the hat detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.16.3.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.3.3 Request Parameters

None

6.10.16.3.4 Example of Request Parameters

None

6.10.16.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Number of zones
++AreaRuleInfoList	object	body	true	List of zone rules
+++ID	integer	body	true	Zone ID
+++Enabled	integer	body	true	Zone Enable 0: disable 1: enabled
+++Sensitivity	integer	body	true	Sensitivity, range: [1, 100] Default value: 80
+++AlarmInterval	integer	body	true	Alarm interval, the value can be [1, 100], in seconds
+++TimeThreshold	integer	body	true	Time threshold. Value range: [1, 100], unit: second
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Number of vertices to detect area graph Default: 4
++++PointList	object	body	true	List of vertex coordinates, detect the vertex coordinates of the area graph. This field is optional when the number of vertices is 0
+++++X	integer	body	true	X-axis coordinate unit 10,000-part Value range: [0, 9999] Default value: 5000
+++++Y	integer	body	true	Y-axis coordinate unit ‰ Value range: [0, 9999] Default value: 5000
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.16.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "AreaRuleInfoList": {
        "ID": 0,
        "Enabled": 0,
        "Sensitivity": 1,
        "AlarmInterval": 1,
        "TimeThreshold": 1,
        "PolygonArea": {
          "PointNum": 0,
          "PointList": {
            "X": 0,
            "Y": 0
          }
        },
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
        }
      }
    }
  }
}
```


6.10.16.4 Set the Hat Detection Area Configuration

6.10.16.4.1 Overview

Names	Description
Interface Description	Set the hat detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.16.4.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones
AreaRuleInfoList	object	body	true	List of zone rules
+ID	integer	body	true	Zone ID
+Enabled	integer	body	true	Area enabled 0: disabled 1: enabled
+Sensitivity	integer	body	true	Sensitivity, range: [1, 100] Default value: 80
+AlarmInterval	integer	body	true	Alarm interval, the value can be [1, 100], in seconds
+TimeThreshold	integer	body	true	Time threshold. Value range: [1, 100], unit: second
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Number of vertices to detect area graph Default: 4
++PointList	object	body	true	List of vertex coordinates, detect the vertex coordinates of the area graph. This field is optional when the number of vertices is 0
+++X	integer	body	true	X-axis coordinate unit 10,000-part Value range: [0, 9999] Default value: 5000
+++Y	integer	body	true	Y-axis coordinate unit ‰ Value range: [0, 9999] Default value: 5000
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.16.4.4 Example of Request Parameters

```
{
   "Num": 0,
   "AreaRuleInfoList": {
      "ID": 0,
      "Enabled": 0,
      "Sensitivity": 1,
      "AlarmInterval": 1,
      "TimeThreshold": 1,
      "PolygonArea": {
         "PointNum": 0,
         "PointList": {
            "X": 0,
            "Y": 0
```

```
        }
      },
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      }
    }
}
```

6.10.16.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.16.4.6 Examples of Return Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/Areas?ChannelID=<ChannelID>",
        "ResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {}
    }
}
```

6.10.16.5 Set the Hat Detection Monitor Plan Configuration

6.10.16.5.1 Overview

Names	Description
Interface Description	Set the hat detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT

Names	Description
Data submission method	application/json

6.10.16.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Alarms can be deployed only on a scheduled basis Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police

Parameter Names	Parameter type	Parameter location	Required	Description
				5: No plan 10: Events

6.10.16.5.4 Example of Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00：00：00",
          "End": "24：00：00",
          "ArmingType": 5
        }
      ]
    }
  ]
}
```

6.10.16.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.16.5.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.16.6 Get the Monitor Plan Configuration for Hat Detection

6.10.16.6.1 Overview

Names	Description
Interface Description	Get the hat detection Monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.16.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.6.3 Request Parameters

None

6.10.16.6.4 Example of Request Parameters

None

6.10.16.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week

Parameter Names	Parameter type	Parameter location	Required	Description
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.10.16.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
```

```
                {
                    "Begin": "00:00:00",
                    "End": "23:59:59",
                    "ArmingType": 0
                }
            ]
        }
    ]
  }
 }
}
```


6.10.16.7 Set the Hat Detection Linkage

6.10.16.7.1 Overview

Names	Description
Interface Description	Set the hat detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.16.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.7.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail

Parameter Names	Parameter type	Parameter position	Required	Description
				3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.16.7.4 Example of Request Parameters

```
{
   "Num": 8,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.16.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.16.7.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/LinkageActions?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
```

```
  }
}
```

6.10.16.8 Get the Hat Detection Linkage Configuration

6.10.16.8.1 Overview

Names	Description
Interface Description	Get the hat detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SafetyHelmetDetection/LinkageActions?ChannelID=<ChannelID>
Interface request method	GET
How data is submitted	application/json

6.10.16.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.16.8.3 Request Parameters

None

6.10.16.8.4 Example of Request Parameters

None

6.10.16.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity

Parameter Names	Parameter type	Parameter location	Required	Description
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: Linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.16.8.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SafetyHelmetDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.17 Workwear Detection

6.10.17.1 Get the Workwear Detection Rule Configuration Information

6.10.17.1.1 Overview

Names	Description
Interface description	Get the workwear detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.17.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.1.3 Request Parameters

None

6.10.17.1.4 Example of Request Parameters

None

6.10.17.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Workwear Detection enable switch 0: Disables 1: enabled

6.10.17.1.6 Example for Returning Parameters

```
{
  "Response": {
```

```
    "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0
    }
  }
}
```


6.10.17.2 Set the Workwear Detection Rule Configuration Information

6.10.17.2.1 Overview

Names	Description
Interface Description	Set the workwear detection rule configuration information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/Rule?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.17.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Work suit detection enable switch 0: Disables 1: enabled

6.10.17.2.4 Example of Request Parameters


```
{
  "Enabled": 0
}
```


6.10.17.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.17.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/Rule?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.17.3 Get the Workwear Detection area configuration

6.10.17.3.1 Overview

Names	Description
Interface Description	Get the workwear detection area configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/Areas?ChannelID=<ChannelID>
Interface request method	GET
How data is submitted	application/json

6.10.17.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.3.3 Request Parameters

None

6.10.17.3.4 Example of Request Parameters

None

6.10.17.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of zones
++AreaRuleInfoList	object	body	false	Zone rule list
+++ID	integer	body	true	Zone ID
+++Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity, range: [1, 100] Default: 80
+++AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 100]
+++PolygonArea	object	body	true	Polygon area
++++PointNum	integer	body	true	Detects the number of vertices in the area graph Default: 4
++++PointList	object[]	body	true	List of vertex coordinates, detect the vertex coordinates of the area graph. This field is optional when the number of vertices is 0
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000

Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 9999]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]

6.10.17.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/Areas?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "AreaRuleInfoList": {
        "ID": 0,
        "Enabled": 0,
        "Sensitivity": 80,
        "AlarmInterval": 3,
        "TimeThreshold": 3,
        "PolygonArea": {
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        },
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
        }
      }
    }
  }
}
```


6.10.17.4 Set the Workwear Detection Area Configuration

6.10.17.4.1 Overview

Names	Description
Interface Description	Set the Workwear Detection area configure
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/Areas?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.17.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones
AreaRuleInfoList	object	body	false	Zone rule list
+ID	integer	body	true	Zone ID
+Enabled	integer	body	true	Zone Enable 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity, range: [1, 100] Default: 80
+AlarmInterval	integer	body	true	Alarm interval Value range: [1, 100]
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 100]
+PolygonArea	object	body	true	Polygon area
++PointNum	integer	body	true	Detects the number of vertices in the zone graph Default: 4
++PointList	object[]	body	true	List of vertex coordinates, detect the vertex coordinates of the area graph. This field is optional when the number of vertices is 0
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]

Parameter Names	Parameter type	Parameter location	Required	Description
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 9999]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target altitude, 10,000 to 10,000 Value range: [0, 9999]

6.10.17.4.4 Example of Request Parameters

```
{
   "Num": 0,
   "AreaRuleInfoList": {
      "ID": 0,
      "Enabled": 0,
      "Sensitivity": 80,
      "AlarmInterval": 3,
      "TimeThreshold": 3,
      "PolygonArea": {
         "PointNum": 4,
         "PointList": [
            {
               "X": 5000,
               "Y": 5000
            }
         ]
      },
      "ObjectMaxSize": {
         "Width": 5000,
         "Height": 5000
      },
      "ObjectMinSize": {
         "Width": 5000,
         "Height": 5000
      }
   }
}
```

6.10.17.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.17.4.6 Example of Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/Areas?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.17.5 Set the Workwear Detection Monitor Plan Configuration

6.10.17.5.1 Overview

Names	Description
Interface Description	Set the workwear detection monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.17.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the monitor plan is enabled 0: Disables it 1: Enables the function

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days NVR fixed at 8 (7 days a week + holidays)
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Weekly index 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of NVRS is 8
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when time period Num is 0
++Begin	string	body	true	Start time, format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++End	string	body	true	End time in the format hh: mm: ss NVR does not support seconds String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported Default is timing 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.10.17.5.4 Example of Request Parameters

```
{
   "Enabled": 1,
   "Num": 7,
   "Days": [
      {
         "ID": 1,
         "Num": 8,
         "TimeSectionInfos": [
            {
               "Begin": "00：00：00",
               "End": "24：00：00",
               "ArmingType": 5
            }
```

```
        ]
      }
    ]
}
```

6.10.17.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.17.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/WeekPlan?ChannelID=<ChannelID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.17.6 Get the Workwear Detection Monitor Plan Configuration

6.10.17.6.1 Overview

Names	Description
Interface Description	Get the workwear detection monitor plan configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/WeekPlan?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.17.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.6.3 Request Parameters

None

6.10.17.6.4 Example for Request Parameters

None

6.10.17.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss

Parameter names	Parameter type	Parameter location	Required	Description
				Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.10.17.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.10.17.7 Set Worksuit Detection Linkage

6.10.17.7.1 Overview

name	Description
Interface Description	Set the Workwear Detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	PUT
Data submission method	application/json

6.10.17.7.2 URL Description

Parameter Names	Parameter type	Required	Example value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage action information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Linkage sound alarm Monitor 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.17.7.4 Example of Request Parameters

```
{
```

```
  "Num": 8,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```


6.10.17.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.17.7.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.17.8 Get the Worksuit Detection Linkage Configuration

6.10.17.8.1 Overview

Names	Description
Interface Description	Get the worksuit detection linkage configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/WorkClothesDetection/LinkageActions?ChannelID=<ChannelID>
Interface Request Method	GET
How data is submitted	application/json

6.10.17.8.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.10.17.8.3 Request Parameters

None

6.10.17.8.4 Example of Request Parameters

None

6.10.17.8.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense

Parameter Names	Parameter type	Parameter position	Required	Description
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.17.8.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/WorkClothesDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.18 Cross Line detection

6.10.18.1 Get the Configuration Information About the Cross Line Detection in the Specified Video Input Channel

6.10.18.1.1 Overview

Names	Description
Interface Description	Get the configuration information about cross line detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.10.18.1.2 URL Description

None

6.10.18.1.3 Request Parameters

None

6.10.18.1.4 Example of Request Parameters

None

6.10.18.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Enabled	integer	body	true	The Cross Line detection is enabled 0: indicates that it is disabled 1: enabled

6.10.18.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.18.2 Set the Configuration Information for Cross Line Detection in the Specified Video Input Channel

6.10.18.2.1 Overview

Names	Description
Interface Description	Set the configuration information about cross line detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.10.18.2.2 URL Description

None

6.10.18.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	The Cross Line detection is enabled 0: indicates that it is disabled 1: Enables the function

6.10.18.2.4 Example of Request Parameters

```
{
   "Enabled": 0
}
```

6.10.18.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.18.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.18.3 Get All Areas for Cross Line Detection in the Specified Video Input Channel

6.10.18.3.1 Overview

Names	Description
Interface Description	Get all areas for cross line detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas
Interface request method	GET
How data is submitted	application/json

6.10.18.3.2 URL Description

None

6.10.18.3.3 Request Parameters

None

6.10.18.3.4 Example for Request Parameters

None

6.10.18.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	The maximum number of areas that can be drawn, Cross Line detection is currently up to 4
++LineInfoList	object[]	body	false	Detect the list of zone parameter information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]

Parameter Names	Parameter type	Parameter location	Required	Description
+++Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
+++StartPoint	object	body	true	Line detection area starting point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++EndPoint	object	body	true	Line detection area termination point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
+++DetectTargetList	object[]	body	false	Detect the list of target information Mandatory if there are target parameters
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.18.3.6 Examples for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "LineInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
          "Direction": 1,
          "StartPoint": {
            "X": 5000,
            "Y": 5000
          },
          "EndPoint": {
            "X": 5000,
            "Y": 5000
          },
          "Priority": 0,
          "Num": 0,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      ]
    }
  }
}
```


6.10.18.4 Set All Areas for Cross Line Detection in the Specified Video Input Channel

6.10.18.4.1 Overview

Names	Description
Interface Description	Set all areas for cross line detection in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas
Interface request method	PUT

Names	Description
Data submission method	application/json

6.10.18.4.2 URL Description

None

6.10.18.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	The maximum number of areas that can be drawn, Cross Line detection is currently up to 4
LineInfoList	object[]	body	false	Parameter list of the detection area
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
+StartPoint	object	body	true	Line detection area starting point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+EndPoint	object	body	true	Line detection area termination point coordinates
++X	integer	body	true	X-axis coordinate Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
+Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
+DetectTargetList	object[]	body	false	Detect the list of target information

Parameter Names	Parameter type	Parameter location	Required	Description
				Mandatory if there are target parameters
++Enabled	integer	body	true	Detection switch 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.18.4.4 Example of Request Parameters

```
{
  "Num": 4,
  "LineInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "Direction": 1,
      "StartPoint": {
        "X": 5000,
        "Y": 5000
      },
      "EndPoint": {
        "X": 5000,
        "Y": 5000
      },
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
```

```
            "Height": 5000
          }
        }
      ]
    }
  ]
}
```

6.10.18.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.18.4.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.18.5 Get the Specified Cross Line Detection Rule Region Information in the Specified Video Input Channel

6.10.18.5.1 Overview

name	Description
Interface Description	Get the specified boundary crossing detection rule region information in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>
Interface request method	GET
How data is submitted	application/json

6.10.18.5.2 URL Description

None

6.10.18.5.3 Request Parameters

None

6.10.18.5.4 Example for Request Parameters

None

6.10.18.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
++StartPoint	object	body	true	Line detection area starting point coordinates
+++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
++EndPoint	object	body	true	Line detection area termination point coordinates
+++X	integer	body	true	X-axis coordinates Value range: [0, 10000]

Parameter Names	Parameter type	Parameter location	Required	Description
+++Y	integer	body	true	Y-axis coordinate Value range: [0, 10000]
++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
++Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
++DetectTargetList	object[]	body	false	Detect the list of target information Mandatory if there are target parameters
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.18.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "Direction": 1,
      "StartPoint": {
        "X": 5000,
        "Y": 5000
      },
      "EndPoint": {
```

```
            "X": 5000,
            "Y": 5000
          },
          "Priority": 0,
          "Num": 0,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      }
    }
```


6.10.18.6 Set the Specified Cross Line Detection Rule Region Information in the Specified Video Input Channel

6.10.18.6.1 Overview

name	Description
Interface Description	Set the specified cross line detection rule region information in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>
Interface request method	PUT
Data submission method	application/json

6.10.18.6.2 URL Description

None

6.10.18.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: Enables the function

Parameter Names	Parameter type	Parameter location	Required	Description
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
StartPoint	object	body	true	Line detection area starting point coordinates
+X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
EndPoint	object	body	true	Line detection area termination point coordinates
+X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
DetectTargetList	object[]	body	false	Detect the list of target information Mandatory if there are target parameters
+Enabled	integer	body	true	Detect switches 0: Disables 1: Enables the function
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

Parameter Names	Parameter type	Parameter location	Required	Description
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.18.6.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 1,
   "Direction": 1,
   "StartPoint": {
      "X": 5000,
      "Y": 5000
   },
   "EndPoint": {
      "X": 5000,
      "Y": 5000
   },
   "Priority": 0,
   "Num": 0,
   "DetectTargetList": [
      {
         "Enabled": 0,
         "Type": 0,
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.10.18.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.18.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.10.18.7 Query the Linkage Action for the Cross Line detection

6.10.18.7.1 Overview

Names	Description
Interface Description	Query the linkage action for cross line detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.10.18.7.2 URL Description

None

6.10.18.7.3 Request Parameters

None

6.10.18.7.4 Example of Request Parameters

None

6.10.18.7.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter Names	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Upload the photo to E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.18.7.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.18.8 Set the linkage action for Cross Line detection

6.10.18.8.1 Overview

Names	Description
Interface Description	Set the linkage action for cross line detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.10.18.8.2 URL Description

None

6.10.18.8.3 Request Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.18.8.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
```

```
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```


6.10.18.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.18.8.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.18.9 Query the Monitor Plan for Cross Line Detection

6.10.18.9.1 Overview

Names	Description
Interface Description	Query the monitor plan for cross line detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.10.18.9.2 URL Description

None

6.10.18.9.3 Request Parameters

None

6.10.18.9.4 Example of Request Parameters

None

6.10.18.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss

Parameter Names	Parameter type	Parameter location	Required	Description
				Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.18.9.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.10.18.10 Set a Monitor Plan for Cross Line Detection

6.10.18.10.1 Overview

Names	Description
Interface Description	Set the monitor plan for cross line detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan

Names	Description
Interface request method	PUT
Data submission method	application/json

6.10.18.10.2 URL Description

None

6.10.18.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police

Parameter Names	Parameter type	Parameter location	Required	Description
				5: No plan 10: Events

6.10.18.10.4 Example of Request Parameters

```
{
   "Num": 1,
   "Days": [
      {
         "ID": 1,
         "Num": 1,
         "TimeSectionInfos": [
            {
               "Begin": "00:00:00",
               "End": "23:59:59",
               "ArmingType": 0
            }
         ]
      }
   ]
}
```

6.10.18.10.5 Return Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.18.10.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.19 Zone Intrusion

6.10.19.1 Get the Configuration Information of Area Intrusion in the Specified Video Input Channel

6.10.19.1.1 Overview

Names	Description
Interface Description	Get the configuration information for zone intrusion in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule
Interface request method	GET
How data is submitted	application/json

6.10.19.1.2 URL Description

None

6.10.19.1.3 Request Parameters

None

6.10.19.1.4 Example of Request Parameters

None

6.10.19.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Area intrusion detection is enabled 0: disables intrusion detection 1: enabled

6.10.19.1.6 Example for Returning Parameters

```
{
  "Response": {
```

```
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0
    }
  }
}
```


6.10.19.2 Set the Configuration Information for Area Intrusion in the Specified Video Input Channel

6.10.19.2.1 Overview

Names	Description
Interface Description	Set the configuration information of zone intrusion in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule
Interface request method	PUT
Data submission method	application/json

6.10.19.2.2 URL Description

None

6.10.19.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Area intrusion detection is enabled 0: disables 1: enabled

6.10.19.2.4 Example of Request Parameters


```
{
  "Enabled": 0
}
```


6.10.19.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.19.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.19.3 Get All Zone Intrusions in the Specified Video Input Channel

6.10.19.3.1 Overview

Names	Description
Interface Description	Get information about all zones invaded by zones in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas
Interface request method	GET
How data is submitted	application/json

6.10.19.3.2 URL Description

None

6.10.19.3.3 Request Parameters

None

6.10.19.3.4 Example of Request Parameters

None

6.10.19.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of zones that can be drawn, zone intrusions currently default to 4
++PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: Enables the function
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++Percentage	integer	body	true	Take a percentage Value range: [1, 100]
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
+++DetectTargetList	object[]	body	true	Detect the list of target information Mandatory if there are target parameters

Parameter names	Parameter type	Parameter location	Required	Description
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.19.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
          "Percentage": 1,
          "TimeThreshold": 1,
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ],
          "Priority": 0,
          "Num": 0,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
```

```
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      ]
    }
  }
}
```


6.10.19.4 Set All Zone Information for Zone Intrusion in the Specified Video Input Channel

6.10.19.4.1 Overview

Names	Description
Interface Description	Set the information about all zones invaded by the zone in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas
Interface request method	PUT
Data submission method	application/json

6.10.19.4.2 URL Description

None

6.10.19.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of zones that can be drawn, zone intrusions currently default to 4
PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+Percentage	integer	body	true	Take a percentage Value range: [1, 100]

Parameter Names	Parameter type	Parameter location	Required	Description
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Priority	integer	body	false	priority 0: High 1: Medium 2: Low
+Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
+DetectTargetList	object[]	body	true	Detect the list of target information Mandatory if there are target parameters
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.19.4.4 Example of Request Parameters

```
{
```

```
"Num": 4,
"PolygonInfoList": [
  {
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 1,
    "Percentage": 1,
    "TimeThreshold": 1,
    "PointNum": 4,
    "PointList": [
      {
        "X": 5000,
        "Y": 5000
      }
    ],
    "Priority": 0,
    "Num": 0,
    "DetectTargetList": [
      {
        "Enabled": 0,
        "Type": 0,
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
        }
      }
    ]
  }
]
}
```


6.10.19.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.19.4.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas".
    "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.19.5 Get Information on Zone Intrusions

6.10.19.5.1 Overview

Names	Description
Interface Description	Get information on zone intrusions
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>
Interface request method	GET
How data is submitted	application/json

6.10.19.5.2 URL Description

None

6.10.19.5.3 Request Parameters

None

6.10.19.5.4 Example of Request Parameters

None

6.10.19.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported

Parameter Names	Parameter type	Parameter location	Required	Description
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Percentage	integer	body	true	Take up a proportion of Value range: [1, 100]
++TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++X	integer	body	true	X-axis coordinate Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
++Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
++DetectTargetList	object[]	body	true	Detect the list of target information Mandatory if there are target parameters
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size

Parameter Names	Parameter type	Parameter location	Required	Description
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.19.5.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "Percentage": 1,
      "TimeThreshold": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```


6.10.19.6 Set the Information for Zone Intrusion

6.10.19.6.1 Overview

Names	Description
Interface Description	Set the information for zone intrusion

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>
Interface request method	PUT
Data submission method	application/json

6.10.19.6.2 URL Description

None

6.10.19.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detection area index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Percentage	integer	body	true	Take a percentage Value range: [1, 100]
TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
Num	integer	body	true	Number of detected targets This parameter is mandatory if there are target parameters
DetectTargetList	object[]	body	true	Detect the list of target information

Parameter Names	Parameter type	Parameter location	Required	Description
				Mandatory if there are target parameters
+Enabled	integer	body	true	Detect switches 0: Disables 1: Enables the function
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.19.6.4 Example of Request Parameters

```
{
  "ID": 1,
  "Enabled": 0,
  "Sensitivity": 1,
  "Percentage": 1,
  "TimeThreshold": 1,
  "PointNum": 4,
  "PointList": [
    {
      "X": 5000,
      "Y": 5000
    }
  ],
  "Priority": 0,
  "Num": 0,
  "DetectTargetList": [
    {
      "Enabled": 0,
      "Type": 0,
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      }
    }
```

```
  ]
}
```

6.10.19.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.19.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.19.7 Query the Linkage Action for Area Intrusion

6.10.19.7.1 Overview

Names	Description
Interface Description	Query the linkage action for area intrusion
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.10.19.7.2 URL Description

None

6.10.19.7.3 Request Parameters

None

6.10.19.7.4 Example of Request Parameters

None

6.10.19.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Upload the photo to E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.19.7.6 Return Parameter Examples

```
{
  "Response": {
```

```
"ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions",
"ResponseCode": 0,
"ResponseString": "Succeed",
"StatusCode": 0,
"Data": {
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
}
```


6.10.19.8 Set the Linkage Action for Zone Intrusion

6.10.19.8.1 Overview

Names	Description
Interface Description	Set the linkage action for area intrusion
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.10.19.8.2 URL Description

None

6.10.19.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported

Parameter Names	Parameter type	Parameter location	Required	Description
				0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.19.8.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.19.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.19.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions",
      "ResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.10.19.9 Query the Monitor Plan for Area Intrusions

6.10.19.9.1 Overview

Names	Description
Interface Description	Query the Monitor plan for area intrusions
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan
Interface Request method	GET
Data submission method	application/json

6.10.19.9.2 URL Description

None

6.10.19.9.3 Request Parameters

None

6.10.19.9.4 Example of Request Parameters

None

6.10.19.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Max. 8(seven days a week and holidays) Value range: [1, 8]

Parameter Names	Parameter type	Parameter location	Required	Description
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time The format is hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.19.9.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
```

```
            "TimeSectionInfos": [
                {
                    "Begin": "00:00:00",
                    "End": "23:59:59",
                    "ArmingType": 0
                }
            ]
        }
    ]
  }
}
```


6.10.19.10 Configure Area Intrusion Monitor Plan

6.10.19.10.1 Overview

Names	Description
Interface Description	Configure area intrusion monitor plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan
Interface Request method	PUT
Data submission method	application/json

6.10.19.10.2 URL Description

None

6.10.19.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	false	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	false	List of Monitor plans for each day of the week
+ID	integer	body	true	Weekly index Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day

Parameter Names	Parameter type	Parameter location	Required	Description
				The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: Start the inspection 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.19.10.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.10.19.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter Name	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.19.10.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.20 Leave Zone

6.10.20.1 Get the Leave Zone Configuration Information in the Specified Video Input Channel

6.10.20.1.1 Overview

Names	Description
Interface Description	Get the leave zone configuration information in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule
Interface request method	GET
How data is submitted	application/json

6.10.20.1.2 URL Description

None

6.10.20.1.3 Request Parameters

None

6.10.20.1.4 Example of Request Parameters

None

6.10.20.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Leave Zone Detection enabled 0: Disable 1: enabled

6.10.20.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.20.2 Set the Leave Zone Configuration Information in the Specified Video Input Channel

6.10.20.2.1 Overview

Names	Description
Interface Description	Set the leave zone configuration information in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule
Interface request method	PUT
Data submission method	application/json

6.10.20.2.2 URL Description

None

6.10.20.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Leave Zone Detection enabled 0: Disable 1: enabled

6.10.20.2.4 Example of Request Parameters

```
{
"Enabled": 0
}
```

6.10.20.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.20.2.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.20.3 Get All Zones that Leave Zone in the Specified Video Input Channel

6.10.20.3.1 Overview

Names	Description
Interface Description	Get all zones that leave zone in the specified video input channel
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas
Interface request method	GET
How data is submitted	application/json

6.10.20.3.2 URL Description

None

6.10.20.3.3 Request Parameters

None

6.10.20.3.4 Example of Request Parameters

None

6.10.20.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn Leave areas currently default to 4
++PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio

Parameter names	Parameter type	Parameter location	Required	Description
				This field is optional when PointNum is 0 and is an empty array
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	false	Number of detected targets
+++DetectTargetList	object[]	body	false	Detect the list of target information
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.20.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "PolygonInfoList": [
        {
          "ID": 1,
```

```
            "Enabled": 0,
            "Sensitivity": 1,
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ],
            "Priority": 0,
            "Num": 0,
            "DetectTargetList": [
              {
                "Enabled": 0,
                "Type": 0,
                "ObjectMaxSize": {
                  "Width": 5000,
                  "Height": 5000
                },
                "ObjectMinSize": {
                  "Width": 5000,
                  "Height": 5000
                }
              }
            ]
          }
        ]
      }
    }
}
```


6.10.20.4 Set All Area Information that Leave Zone in the Specified Video Input Channel

6.10.20.4.1 Overview

Names	Description
Interface Description	Set all area information that leave zone in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas
Interface request method	PUT
Data submission method	application/json

6.10.20.4.2 URL Description

None

6.10.20.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn Leave areas currently default to 4
PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Vertex coordinates of the region graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+Num	integer	body	false	Number of detected targets
+DetectTargetList	object[]	body	false	Detect the list of target information
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: Non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size

Parameter Names	Parameter type	Parameter location	Required	Description
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.20.4.4 Example of Request Parameters

```
{
  "Num": 1,
  "PolygonInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  ]
}
```

6.10.20.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.20.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.20.5 Get Information About the Specified Leave Zone

6.10.20.5.1 Overview

Names	Description
Interface Description	Get information about the specified leave zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>
Interface request method	GET
How data is submitted	application/json

6.10.20.5.2 URL Description

None

6.10.20.5.3 Request Parameters

None

6.10.20.5.4 Example of Request Parameters

None

6.10.20.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Value range: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Priority	integer	body	true	priority 0: High 1: Medium 2: Low
++Num	integer	body	false	Number of detected targets
++DetectTargetList	object[]	body	false	Detect the list of target information
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

Parameter names	Parameter type	Parameter location	Required	Description
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.20.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```


6.10.20.6 Set the Information for Specifying Leave Zone

6.10.20.6.1 Overview

Names	Description
Interface Description	Set the information for specifying leave zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>
Interface request method	PUT
Data submission method	application/json

6.10.20.6.2 URL Description

None

6.10.20.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
Num	integer	body	false	Number of detected targets
DetectTargetList	object[]	body	false	Detect the list of target information
+Enabled	integer	body	true	Detect switches 0: Disables 1: Enables the function

Parameter Names	Parameter type	Parameter location	Required	Description
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.20.6.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 1,
   "PointNum": 4,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ],
   "Priority": 0,
   "Num": 0,
   "DetectTargetList": [
      {
         "Enabled": 0,
         "Type": 0,
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.10.20.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.20.6.6 Return Parameters Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.20.7 Query the Linkage Action that Leave Zone

6.10.20.7.1 Overview

Names	Description
Interface Description	Query the linkage action that leave zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.10.20.7.2 URL Description

None

6.10.20.7.3 Request Parameters

None

6.10.20.7.4 Example of Request Parameters

None

6.10.20.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.20.7.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
```

```
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.10.20.8 Set the Linkage Action for Leave Zone

6.10.20.8.1 Overview

name	Description
Interface Description	Set the linkage action for leave zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.10.20.8.2 URL Description

None

6.10.20.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: indicates the email linkage 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture

Parameter Names	Parameter type	Parameter location	Required	Description
				7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.20.8.4 Example for Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.20.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.20.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.20.9 Query the Monitor Plan for Leave Zone

6.10.20.9.1 Overview

Names	Description
Interface Description	Query the monitor plan for leave zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.10.20.9.2 URL Description

None

6.10.20.9.3 Request Parameters

None

6.10.20.9.4 Example of Request Parameters

None

6.10.20.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default value: 1 1: Monday 2: Tuesday 3: Wednesday

Parameter Names	Parameter type	Parameter location	Required	Description
				4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Call the police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.20.9.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
```

```
        }
      ]
    }
  }
}
```

6.10.20.10 Configure Monitor Plan for Leave Zone

6.10.20.10.1 Overview

name	Description
Interface Description	Configure monitor plan for leave zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.10.20.10.2 URL Description

None

6.10.20.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0

Parameter Names	Parameter type	Parameter location	Required	Description
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.20.10.4 Example for Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.10.20.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Name	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response data

6.10.20.10.6 Example of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.21 Enter Zone

6.10.21.1 Get the Configuration Information About Enter Zone in the Specified Video Input Channel

6.10.21.1.1 Overview

Names	Description
Interface Description	Get the configuration information about the enter zone in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule
Interface request method	GET
How data is submitted	application/json

6.10.21.1.2 URL Description

None

6.10.21.1.3 Request Parameters

None

6.10.21.1.4 Example of Request Parameters

None

6.10.21.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Detect Enable 0: Disables 1: enabled

6.10.21.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Enabled": 0
      }
   }
}
```

6.10.21.2 Set the Configuration Information of the Enter Zone in the Specified Video Input Channel

6.10.21.2.1 Overview

Names	Description
Interface Description	Set the configuration information of the enter zone in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule
Interface request method	PUT
Data submission method	application/json

6.10.21.2.2 URL Description

None

6.10.21.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Detect Enable 0: Disables 1: enabled

6.10.21.2.4 Example of Request Parameters

```
{
   "Enabled": 0
}
```

6.10.21.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.21.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.21.3 Get all Area Information About the Area Entering the Specified Video Input Channel

6.10.21.3.1 Overview

Names	Description
Interface Description	Get information about all areas that enter the area in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas

Names	Description
Interface request method	GET
How data is submitted	application/json

6.10.21.3.2 URL Description

None

6.10.21.3.3 Request Parameters

None

6.10.21.3.4 Example of Request Parameters

None

6.10.21.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn, entering areas is currently 4 by default
++PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array

Parameter names	Parameter type	Parameter location	Required	Description
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	false	Number of detected targets
+++DetectTargetList	object[]	body	false	Detect the list of target information
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.21.3.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
```

```
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ],
            "Priority": 0,
            "Num": 0,
            "DetectTargetList": [
              {
                "Enabled": 0,
                "Type": 0,
                "ObjectMaxSize": {
                  "Width": 5000,
                  "Height": 5000
                },
                "ObjectMinSize": {
                  "Width": 5000,
                  "Height": 5000
                }
              }
            ]
          }
        ]
      }
    }
  }
}
```


6.10.21.4 Set All Area Information in the Specified Video Input Channel to Enter the Area

6.10.21.4.1 Overview

Names	Description
Interface Description	Set all area information in the specified video input channel to enter the area
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas
Interface request method	PUT
Data submission method	application/json

6.10.21.4.2 URL Description

None

6.10.21.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn, entering areas is currently 4 by default

Parameter Names	Parameter type	Parameter location	Required	Description
PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+Num	integer	body	false	Number of detected targets
+DetectTargetList	object[]	body	false	Detect the list of target information
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

Parameter Names	Parameter type	Parameter location	Required	Description
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.21.4.4 Example of Request Parameters

```
{
  "Num": 4,
  "PolygonInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  ]
}
```

6.10.21.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.21.4.6 Examples of Return Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.10.21.5 Get Information About the Designated Entry Area

6.10.21.5.1 Overview

Names	Description
Interface Description	Get information about the area designated to enter
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>
Interface request method	GET
How data is submitted	application/json

6.10.21.5.2 URL Description

None

6.10.21.5.3 Request Parameters

None

6.10.21.5.4 Example of Request Parameters

None

6.10.21.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	sensitivity Range of values: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
++Priority	integer	body	true	Priority 0: High 1: Medium 2: Low
++Num	integer	body	false	Number of detected targets
++DetectTargetList	object[]	body	false	Detect the list of target information
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

Parameter names	Parameter type	Parameter location	Required	Description
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.21.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```


6.10.21.6 Set the Information for the Designated Entry Area

6.10.21.6.1 Overview

Names	Description
Interface Description	Set the information for the area specified to enter
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>

Names	Description
Interface request method	PUT
Data submission method	application/json

6.10.21.6.2 URL Description

None

6.10.21.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, a maximum of four regions are supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	true	Vertex coordinates of the region graph Unit 10,000th ratio This field is optional when PointNum is 0 and is an empty array
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Value range: [0, 10000]
Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
Num	integer	body	false	Number of detected targets
DetectTargetList	object[]	body	false	Detect the list of target information
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: Non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size

Parameter Names	Parameter type	Parameter location	Required	Description
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.10.21.6.4 Example of Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 1,
   "PointNum": 4,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ],
   "Priority": 0,
   "Num": 0,
   "DetectTargetList": [
      {
         "Enabled": 0,
         "Type": 0,
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.10.21.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.21.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.21.7 Query the Linkage Action for Enter Zone

6.10.21.7.1 Overview

name	Description
Interface Description	Query the linkage action for entering an area
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.10.21.7.2 URL Description

None

6.10.21.7.3 Request Parameters

None

6.10.21.7.4 Example for Request Parameters

None

6.10.21.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0,] Default value: 8
++Actions	object[]	body	false	Linkage action information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Preview the linkage NVR 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.21.7.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
```

```
            "ActID": 28,
            "ActParam": {}
          }
        ]
      }
    }
}
```

6.10.21.8 Set the Linkage Action for Entering the Zone

6.10.21.8.1 Overview

Names	Description
Interface Description	Set the linkage action for entering the zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.10.21.8.2 URL Description

None

6.10.21.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail

Parameter Names	Parameter type	Parameter location	Required	Description
				16: Linkage alarm report 28: Deploy an audible alarm 29: Linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.10.21.8.4 Example of Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.10.21.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.21.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.21.9 Query the Monitor Plan for the Area to be Entered

6.10.21.9.1 Overview

Names	Description
Interface Description	Query the monitor plan for the area to be entered
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.10.21.9.2 URL Description

None

6.10.21.9.3 Request Parameters

None

6.10.21.9.4 Example of Request Parameters

None

6.10.21.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday

Parameter Names	Parameter type	Parameter location	Required	Description
				6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.21.9.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
```

```
    }
  }
}
```

6.10.21.10 Configure an Enter Zone Monitor Plan

6.10.21.10.1 Overview

Names	Description
Interface Description	Configure an enter zone monitor plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.10.21.10.2 URL Description

None

6.10.21.10.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss

Parameter Names	Parameter type	Parameter location	Required	Description
				Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.21.10.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.10.21.10.5 Return Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.21.10.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.22 People Count

6.10.22.1 Get the Configuration Information About the People Count Rule

6.10.22.1.1 Overview

Names	Description
Interface Description	Get the configuration information about the people count rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule
Interface request method	GET
How data is submitted	application/json

6.10.22.1.2 URL Description

None

6.10.22.1.3 Request Parameters

None

6.10.22.1.4 Example of Request Parameters

None

6.10.22.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter name	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable or not 0: Disable 1: enabled
++ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
++LineNum	integer	body	true	Number of trip wires The value range is determined by the MaxLineNum capability
++LineRuleInfoList	object[]	body	true	List of trip wire rules When LineNum is 0, this list is an empty list
+++ID	integer	body	true	Trip wire ID number
+++Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+++InDirection	integer	body	true	Entering directions 1: B -> A, bearing B to bearing A 2: A -> B, bearing A to bearing B
+++StartPoint	object	body	true	Line detection area starting point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++EndPoint	object	body	true	Line detection area termination point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++DeduplicationArea	object	body	false	De-duplicate zone rules Support zone when carrying
++++Num	integer	body	true	Plot the number of points in the regular area Range of values: [3, 6]
++++PointList	object[]	body	true	Draws the coordinates of each vertex in the regular region, with the origin of the coordinates in the upper left corner
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000

Parameter name	Parameter type	Parameter location	Required	Description
				Value range: [0, 9999]
+++StatisticType	integer	body	true	Types of statistics 0: Total population statistics 1: Enter the number of persons counted 2: Exit count

6.10.22.1.6 Example for Returning parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "ReportInterval": 60,
      "LineNum": 1,
      "LineRuleInfoList": [
        {
          "ID": 0,
          "Enabled": 0,
          "InDirection": 1,
          "StartPoint": {
            "X": 5000,
            "Y": 5000
          },
          "EndPoint": {
            "X": 5000,
            "Y": 5000
          },
          "DeduplicationArea": {
            "Num": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          },
          "StatisticType": 1
        }
      ]
    }
  }
}
```

6.10.22.2 Configure People Count Rule

6.10.22.2.1 Overview

Names	Description
Interface description	Configure people count rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule
Interface request method	PUT
Data submission method	application/json

6.10.22.2.2 URL Description

None

6.10.22.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable or not 0: Disable 1: enabled
ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
LineNum	integer	body	true	Number of trip wires The value range is determined by the MaxLineNum capability
LineRuleInfoList	object[]	body	false	Trip wire rule list When LineNum is 0, this list is an empty list
+ID	integer	body	true	Trip wire ID number
+Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+InDirection	integer	body	true	Entering directions 1: B -> A, bearing B to bearing A 2: A -> B, bearing A to bearing B
+StartPoint	object	body	true	Line detection area starting point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+EndPoint	object	body	true	Line detection area termination point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]

Parameter Names	Parameter type	Parameter location	Required	Description
+DeduplicationArea	object	body	true	De-heavy zone rule Support zone when carrying
++Num	integer	body	false	Draw the number of points in the middle of the regular area Range of values: [3, 6]
++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+StatisticType	integer	body	true	Types of statistics 0: indicates the total number of users 1: Enter the number of persons counted 2: Exit count

6.10.22.2.4 Example of Request Parameters

```
{
   "Enabled": 0,
   "ReportInterval": 60,
   "LineNum": 1,
   "LineRuleInfoList": [
      {
         "ID": 0,
         "Enabled": 0,
         "InDirection": 1,
         "StartPoint": {
            "X": 5000,
            "Y": 5000
         },
         "EndPoint": {
            "X": 5000,
            "Y": 5000
         },
         "DeduplicationArea": {
            "Num": 4,
            "PointList": [
               {
                  "X": 5000,
                  "Y": 5000
               }
            ]
         },
         "StatisticType": 1
      }
   ]
}
```

6.10.22.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.22.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.22.3 Execute an Immediate Reset of the People Count to Zero

6.10.22.3.1 Overview

Names	Description
Interface Description	Execute an immediate reset of the people count to zero
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Reset
Interface request method	PUT
Data submission method	application/json

6.10.22.3.2 URL Description

None

6.10.22.3.3 Request Parameters

None

6.10.22.3.4 Example of Request Parameters

None

6.10.22.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.22.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Reset",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.22.4 Get Configuration for Resetting the Count of Line-Crossing Pedestrian Statistics

6.10.22.4.1 Overview

Names	Description
Interface Description	Get configuration for resetting the count of line-crossing pedestrian statistics
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo
Interface request method	GET
How data is submitted	application/json

6.10.22.4.2 URL Description

None

6.10.22.4.3 Request Parameters

None

6.10.22.4.4 Example of Request Parameters

None

6.10.22.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++TimingResetEnabled	integer	body	true	Enable timer clear for counting 0: indicates that it is disabled 1: enabled
++CleanTime	string	body	true	Set timer Clear time to a time in a day. This parameter is mandatory when timer clear is enabled for counting String length range: [0, 24]

6.10.22.4.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "TimingResetEnabled": 0,
         "CleanTime": "string"
      }
   }
}
```

6.10.22.5 Set Configuration for Resetting the Count of Line-Crossing Pedestrian Statistics

6.10.22.5.1 Overview

Names	Description
Interface Description	Set configuration for resetting the count of line-crossing pedestrian statistics
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo
Interface request method	PUT

Names	Description
Data submission method	application/json

6.10.22.5.2 URL Description

None

6.10.22.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
TimingResetEnabled	integer	body	true	Enable timer clear for counting 0: indicates that it is disabled 1: enabled
CleanTime	string	body	false	Set timer Clear time to a time in a day. This parameter is mandatory when timer clear is enabled for counting String length range: [0, 24]

6.10.22.5.4 Example of Request Parameters

```
{
   "TimingResetEnabled": 0,
   "CleanTime": "string"
}
```

6.10.22.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.22.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
```

```
    "Data":{}
  }
}
```

6.10.22.6 Get the Monitor Plan Configuration for Counting Trip Cables

6.10.22.6.1 Overview

Names	Description
Interface Description	Get the monitor plan configuration for counting trip cables
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.10.22.6.2 URL Description

None

6.10.22.6.3 Request Parameters

None

6.10.22.6.4 Example of Request Parameters

None

6.10.22.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week

Parameter Names	Parameter type	Parameter location	Required	Description
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum size is 8 segments Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.22.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
```

```
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
            }
        ]
    }
  ]
 }
}
}
```

6.10.22.7 Configure Monitor Plan for Collecting Trip Cables

6.10.22.7.1 Overview

Names	Description
Interface Description	Configure monitor plan for collecting trip cables
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.10.22.7.2 URL Description

None

6.10.22.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]

Parameter Names	Parameter type	Parameter location	Required	Description
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.22.7.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.10.22.7.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success

Parameter names	Parameter type	Parameter position	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.22.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.22.8 Get Configuration Information for Area-Based Population Count Rules

6.10.22.8.1 Overview

Names	Description
Interface Description	Get configuration information for area-based population count rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule
Interface request method	GET
How data is submitted	application/json

6.10.22.8.2 URL Description

None

6.10.22.8.3 Request Parameters

None

6.10.22.8.4 Example of Request Parameters

None

6.10.22.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Enabled	integer	body	true	Enable 0: disables 1: enabled
++ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
++AreaNum	integer	body	true	Number of detected areas
++AreaRuleInfoList	object[]	body	true	Detect the list of zone rules When AreaNum is 0, the list is empty
+++ID	integer	body	true	Detect zone ID number
+++Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+++AreaLocation	object	body	true	De-heavy zone rule
++++Num	integer	body	true	Plot the number of points in the regular area Range of values: [3, 6]
++++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.22.8.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "ReportInterval": 60,
      "AreaNum": 1,
      "AreaRuleInfoList": [
```

```
        {
          "ID": 0,
          "Enabled": 0,
          "AreaLocation": {
            "Num": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        }
      ]
    }
  }
}
```


6.10.22.9 Set Configuration Information for Area-Based Population Count Rules

6.10.22.9.1 Overview

name	Description
Interface Description	Set configuration information for area-based population count rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule
Interface request method	PUT
Data submission method	application/json

6.10.22.9.2 URL Description

None

6.10.22.9.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled
ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
AreaNum	integer	body	true	Number of detected areas
AreaRuleInfoList	object[]	body	false	Detect the list of zone rules When AreaNum is 0, the list is empty
+ID	integer	body	true	ID of the detection area

Parameter Names	Parameter type	Parameter location	Required	Description
+Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+AreaLocation	object	body	true	De-heavy zone rule
++Num	integer	body	false	Draw the number of points in the middle of the regular area Range of values: [3, 6]
++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.10.22.9.4 Example of Request Parameters

```
{
  "Enabled": 0,
  "ReportInterval": 60,
  "AreaNum": 1,
  "AreaRuleInfoList": [
    {
      "ID": 0,
      "Enabled": 0,
      "AreaLocation": {
        "Num": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    }
  ]
}
```

6.10.22.9.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response data

6.10.22.9.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.22.10 Get the Configuration of the Area Monitor Plan for Collecting Statistics

6.10.22.10.1 Overview

Names	Description
Interface Description	Get the configuration of the area monitor plan for collecting statistics
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.10.22.10.2 URL Description

None

6.10.22.10.3 Request Parameters

None

6.10.22.10.4 Example of Request Parameters

None

6.10.22.10.5 Return Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter Name	Parameter type	Parameter position	Required	Description
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Weekly index Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: Start the inspection 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.22.10.6 Return Parameter Example

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.10.22.11 Set the Configuration of the Area Monitor Plan for Collecting Statistics

6.10.22.11.1 Overview

Names	Description
Interface Description	Set the configuration of the area monitor plan for collecting statistics
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.10.22.11.2 URL Description

None

6.10.22.11.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week

Parameter name	Parameter type	Parameter location	Required	Description
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.22.11.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
```

```
  ]
}
```

6.10.22.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.22.11.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.23 Smart Working State

6.10.23.1 Get Smart Function Working Status

6.10.23.1.1 Overview

Names	Description
Interface Description	Get smart function working status
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus
Interface request method	GET
How data is submitted	application/json

6.10.23.1.2 URL Description

None

6.10.23.1.3 Request Parameters

None

6.10.23.1.4 Example of Request Parameters

None

6.10.23.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++EnableNum	integer	body	true	Number of enabled, the number of all intelligent functions whose status is enabled (EnableNums+DisableNums= Total number of intelligent functions)
++EnableIDs	integer[]	body	true	Enable array, array of smart ids whose status is enabled 0: Face Detection/FaceDetecion 1: Head Count/foot traffic/PeopleCounting 2: Skynet bayonet/Road monitoring/TrafficMonitoring 3: Alarm linkage tracking/LinkageTracking 4: Chain computing phase 1/Moving target detection/ObjectDetection 5: Ball Machine Gun ball linkage/Box-domeLinkage 6: Mixed line Detection/HybridDetection 7: Human detection/FigureDetection 8: Face detection/FaceComparison 100: Overreach detection/CrossLineDetection 101: Zone intrusion/IntrusionDetection 102: Enter the zone/AccessZone 103: Leave the zone/LeaveZone 104: Wander Detection/HoverZone 105: FastMove/FastMove 107: Intelligent motion detection/SmartMotionDetection 200: People Gather/Gather 201: Stop detection/CarStop 202: Items left behind/RemainArticle 203: Items moved/CareArticle 204: Virtual Focus Detection/OutFocus 205: Scene Change/ScenceChange 206: Heatmap/Heatmap 300: Hard hat Detection/SafetyHelmetDetection 301: Workwear Detection/WorkClothesDetection 302: Telephone Detection/PhoneDetection 303: Smoking detection/SmokeDetection 304: Not wearing a mask/NoMaskDetection 305: Fall detection/FallDetection

Parameter names	Parameter type	Parameter location	Required	Description
				306: ChefHatDetection/ChefHatDetection 307: FightDetection/FightDetection 308: OffDutyDetection 309: Off-duty detection/SleepingDetection 310: ClimbingDetection/ClimbingDetection 311: a reflective detection/ReflectiveClothesDetection 400: Tripwire Count/LinesPeopleCounting 500: Area Head Count/AreasPeopleCounting 600: Access Access Elevator Detection/AccessElevator 700: Fireworks detection/FlameAndFumesDetection 701: Visible-assisted confirmation/OpticalConfirm 800: High altitude Throwing/FallingObjectsDetection
++DisableNum	integer	body	true	Number of disabled, the number of all intelligent functions whose status is disabled (EnableNums+DisableNums= Total number of intelligent functions)
++DisableIDs	integer[]	body	true	An array of smart ids whose status is disabled. For the enumeration, see EnableIDs

6.10.23.1.6 Examples for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "EnableNum": 6,
      "EnableIDs": [
        100
      ],
      "DisableNum": 3,
      "DisableIDs": [
        101
      ]
    }
  }
}
```

6.10.23.2 Set the Smart Function Working State

6.10.23.2.1 Overview

Names	Description
Interface Description	Set the smart function working state
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus
Interface request method	PUT

Names	Description
Data submission method	application/json

6.10.23.2.2 URL Description

None

6.10.23.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
EnableNum	integer	body	true	Number of enabled, the number of all intelligent functions whose status is enabled (EnableNums+DisableNums= Total number of intelligent functions)
EnableIDs	integer[]	body	true	Enable array, array of smart ids whose status is enabled 0: Face Detection/FaceDetecion 1: Head Count/foot traffic/PeopleCounting 2: Skynet bayonet/Road monitoring/TrafficMonitoring 3: Alarm linkage tracking/LinkageTracking 4: Chain computing phase 1/Moving target detection/ObjectDetection 5: Ball machine gun ball linkage/Box-domeLinkage 6: Mixed line Detection/HybridDetection 7: Human detection/FigureDetection 8: Face detection/FaceComparison 100: CrossLineDetection/crossline detection 101: Zone intrusion/IntrusionDetection 102: Enter the zone/AccessZone 103: Leave the zone/LeaveZone 104: Wander Detection/HoverZone 105: FastMove/FastMove 107: SmartMotionDetection/SmartMotionDetection 200: People Gather/Gather 201: Stop detection/CarStop 202: Items left behind/RemainArticle 203: Items moved/CareArticle 204: Virtual Focus Detection/OutFocus 205: Scene Change/ScenceChange 206: Heatmap/Heatmap 300: Hard hat Detection/SafetyHelmetDetection 301: Workwear Detection/WorkClothesDetection 302: PhoneDetection 303: Smoking detection/SmokeDetection 304: Not wearing a mask/NoMaskDetection 305: Fall detection/FallDetection 306: ChefHatDetection/ChefHatDetection 307: FightDetection/FightDetection 308: OffDuty detection/OffDutyDetection 309: Off-duty detection/SleepingDetection 310: ClimbingDetection/ClimbingDetection 311: a reflective detection/ReflectiveClothesDetection 400: Tripwire Count/LinesPeopleCounting 500: Area Head Count/AreasPeopleCounting 600: Access Access Elevator Detection/AccessElevator 700: Fireworks detection/FlameAndFumesDetection 701: Visible-assisted confirmation/OpticalConfirm 800: High altitude Throwing/FallingObjectsDetection

Parameter Names	Parameter type	Parameter location	Required	Description
DisableNum	integer	body	true	Number of disabled, the number of all intelligent functions whose status is disabled (EnableNums+DisableNums= Total number of intelligent functions)
DisableIDs	integer[]	body	true	An array of smart ids whose status is disabled. For the enumeration, see EnableIDs

6.10.23.2.4 Examples of Request Parameters

```
{
   "EnableNum": 6,
   "EnableIDs": [
      100
   ],
   "DisableNum": 3,
   "DisableIDs": [
      101
   ]
}
```

6.10.23.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.23.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.10.24 Traffic Statistics

6.10.24.1 Query the Traffic Statistics Progress

6.10.24.1.1 Overview

Names	Description
Interface Description	Query the traffic statistics progress
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/Progress?SearchID=<SearchID>
Interface request method	GET
How data is submitted	application/json

6.10.24.1.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
SearchID	integer	false	0	Query ID

6.10.24.1.3 Request Parameters

None

6.10.24.1.4 Example of Request Parameters

None

6.10.24.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Percent	integer	body	true	Query progress, range: [0, 100]

6.10.24.1.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/Progress?SearchID=<SearchID>",
```

```
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Percent": 0
    }
  }
}
```


6.10.24.2 Query Passenger Traffic Statistics

6.10.24.2.1 Overview

Names	Description
Interface Description	Query passenger traffic statistics
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics?SearchID=<SearchID>
Interface request method	GET
Data submission method	application/json

6.10.24.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
SearchID	integer	false	0	Query ID

6.10.24.2.3 Request Parameters

None

6.10.24.2.4 Example of Request Parameters

None

6.10.24.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter Names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++Num	integer	body	true	Traffic Count the number of channels
++ResultNum	integer	body	true	Number of results counted 0 if None data, or the number of channels if there is data
++PassengerFlowInfos	object[]	body	false	Information about the traffic statistics of each channel. When Num is 0, the node is optional
+++ID	integer	body	true	Channel number
+++TimeSection	integer	body	true	Number of passenger traffic statistics periods
+++EnterCountList	integer[]	body	false	Inbound traffic Statistics. This parameter is mandatory when StatisticsType is 0 or 2
+++ExitCountList	integer[]	body	false	Number of departures by passenger traffic, number of departures by passenger traffic, This parameter is mandatory when StatisticsType is 1 or 2
+++SearchStatus	boolean	body	true	Channel query status, 0. Query failed; 1. The query succeeds

6.10.24.2.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics?SearchID=<SearchID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "ResultNum": 1,
      "PassengerFlowInfos": [
        {
          "ID": 1,
          "TimeSection": 12,
          "EnterCountList": [
            0
          ],
          "ExitCountList": [
            0
          ],
          "SearchStatus": false
        }
      ]
    }
  }
}
```


6.10.24.3 Stop Traffic Statistics Query

6.10.24.3.1 Overview

Names	Description
Interface Description	Stop traffic statistics query
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/Stop
Interface request method	PUT
Data submission method	application/json

6.10.24.3.2 URL Description

None

6.10.24.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
SearchID	integer	body	true	Business No.

6.10.24.3.4 Example for Request Parameters

```
{
   "SearchID": 1
}
```

6.10.24.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.10.24.3.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/Stop",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
```

```
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.10.24.4 Start Traffic Statistics Query

6.10.24.4.1 Overview

Names	Description
Interface Description	Start Traffic Statistics Query
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/CustomTimeStart
Interface request method	PUT
Data submission method	application/json

6.10.24.4.2 URL Description

None

6.10.24.4.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of channels to query
IDs	integer[]	body	false	List of channel ids to be queried. When Num is 0, this field is optional
StatisticsType	integer	body	true	Type of ridership statistics 0: Number of people entering 1: Number of people leaving 2: All people
StatisticsUnit	integer	body	true	Ridership statistics 0: by minute 1: by the hour 2: By day 3: By month
Begin	integer	body	true	Ridership find start time
End	integer	body	true	Ridership find end time

6.10.24.4.4 Example of Request Parameters

```
{
  "Num": 1,
  "IDs": [
```

```
      0
    ],
    "StatisticsType": 0,
    "StatisticsUnit": 0,
    "Begin": 1451577600,
    "End": 1451589200
}
```

6.10.24.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++SearchID	integer	body	true	Business No.

6.10.24.4.6 Example for Returning Parameters

```
{
  "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/Smart/PassengerFlowStatistics/CustomTimeStart",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
          "SearchID": 1
      }
  }
}
```

6.11 Vehicle Libraries

6.11.1 Basic Information

6.11.1.1 Query All Vehicle Library Information

6.11.1.1.1 Overview

Names	Description
Interface Description	Query all vehicle library information
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/BasicInfo
Interface request method	GET
How data is submitted	application/json

6.11.1.1.2 URL Description

None

6.11.1.1.3 Request Parameters

None

6.11.1.1.4 Example of Request Parameters

None

6.11.1.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of vehicle hangars
++VehicleLibList	object[]	body	true	List of vehicle libraries, if Num is 0, this field is not returned
+++ID	integer	body	true	Library serial number
+++Name	string	body	true	Library name String length range: [1, 63]
+++VehicleNum	integer	body	true	Total number of vehicles in the garage

6.11.1.1.6 Return Parameter Examples

```
{
```

```
"Response": {
  "ResponseURL": "/LAPI/V1.0/VehicleLibraries/BasicInfo",
  "ResponseCode": 0,
  "ResponseString": "Succeed",
  "StatusCode": 0,
  "Data": {
    "Num": 0,
    "VehicleLibList": [
      {
        "ID": 1,
        "Name": "string",
        "VehicleNum": 0
      }
    ]
  }
}
}
```


6.11.1.2 Add Vehicle Library Information

6.11.1.2.1 Overview

Names	Description
Interface Description	Add vehicle Vehicle Library Information
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/BasicInfo
Interface request method	POST
How to submit data	application/json

6.11.1.2.2 URL Description

None

6.11.1.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Name	string	body	true	Library name String length range: [1, 63]

6.11.1.2.4 Example of Request Parameters


```
{
  "Name": "string"
}
```


6.11.1.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Vehicle Library ID

6.11.1.2.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/VehicleLibraries/BasicInfo",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "ID": 0
      }
   }
}
```

6.11.1.3 Batch Modify the Specified Vehicle Library Information

6.11.1.3.1 Overview

Names	Description
Interface Description	Batch modify the specified Vehicle Library Information
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/BasicInfo
Interface request method	PUT
Data submission method	application/json

6.11.1.3.2 URL Description

None

6.11.1.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of vehicle hangars
VehicleLibList	object[]	body	true	List of vehicle libraries, if Num is 0, this field is not returned
+Name	string	body	true	Library name String length range: [1, 63]

6.11.1.3.4 Example of Request Parameters

```
{
  "Num": 0,
  "VehicleLibList": [
    {
      "Name": "string"
    }
  ]
}
```

6.11.1.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.11.1.3.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/VehicleLibraries/BasicInfo",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.11.1.4 Delete the Specified Vehicle Library Information

6.11.1.4.1 Overview

Names	Description
Interface Description	Delete the specified vehicle library information
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/<ID>
Interface request method	DELETE
Data submission method	application/json

6.11.1.4.2 URL Description

None

6.11.1.4.3 Request Parameters

None

6.11.1.4.4 Example of Request Parameters

None

6.11.1.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.11.1.4.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/VehicleLibraries/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.11.2 Vehicles

6.11.2.1 Batches Add Vehicle Information to a Specified Vehicle Library

6.11.2.1.1 Overview

Names	Description
Interface Description	Batches ADD vehicle information to the specified vehicle library
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/<ID>/Vehicle
Interface request method	POST
How to submit data	application/json

6.11.2.1.2 URL Description

None

6.11.2.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of vehicles
VehicleInfoList	object[]	body	true	List of vehicle information
+BeginTime	integer	body	false	Start time, in UTC format, in seconds
+EndTime	integer	body	false	End time, in UTC format, in seconds
+PlateAttr	object	body	true	License plate information
++Plate	string	body	true	License plate number String length range: [1, 15]

6.11.2.1.4 Example of Request Parameters

```
{
  "Num": 0,
  "VehicleInfoList": [
    {
      "BeginTime": 0,
      "EndTime": 0,
      "PlateAttr": {
        "Plate": "浙 A00000"
      }
    }
  ]
}
```

6.11.2.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of vehicles
++VehicleList	object[]	body	false	List of vehicle information results, required when Num is not 0
+++VehicleID	integer	body	true	Vehicle ID
+++ResultCode	integer	body	true	Process the resulting status code 0: Success 1: indicates that the general execution fails 2: Initialization detection fails 3: The license plate detection fails 4: The image does not detect a face 5: jpeg photo decoding failed 6: The license plate picture quality score is not satisfied 7: Picture scaling failed 8: Smart is not enabled 9: The picture does not exist or is too large/small 10: The maximum number of vehicle elements has been reached

6.11.2.1.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/VehicleLibraries/<ID>/Vehicle",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "VehicleList": [
        {
          "VehicleID": 0,
          "ResultCode": 0
        }
      ]
    }
  }
}
```

6.11.2.2 Modify Vehicle Information in a Specified Vehicle Library

6.11.2.2.1 Overview

Names	Description
Interface description	Modify vehicle information in a specified vehicle library
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/<ID>/Vehicle
Interface request method	PUT
Data submission method	application/json

6.11.2.2.2 URL Description

None

6.11.2.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of vehicles
VehicleInfoList	object[]	body	true	List of vehicle information
+ID	integer	body	true	Vehicle ID in the vehicle library. This field is required when Modify, querying, or delete vehicles in batches. This field is not required when add vehicles
+BeginTime	integer	body	false	Start time, in UTC format, in seconds
+EndTime	integer	body	false	End time, in UTC format, in seconds
+PlateAttr	object	body	true	License plate information
++Plate	string	body	true	License plate number String length range: [1, 15]

6.11.2.2.4 Example of Request Parameters

```
{
  "Num": 0,
  "VehicleInfoList": [
    {
      "ID": 0,
      "BeginTime": 0,
      "EndTime": 0,
      "PlateAttr": {
        "Plate": "浙 A00000"
      }
    }
  ]
}
```

6.11.2.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of vehicles
++VehicleList	object[]	body	false	List of vehicle information results, required when Num is not 0
+++VehicleID	integer	body	true	Vehicle ID
+++ResultCode	integer	body	true	Process the resulting status code 0: success 1: Universal execution failed 2: Initialization detection fails 3: The license plate detection fails 4: The image does not detect a face 5: jpeg photo decoding failed 6: The license plate picture quality score is not satisfied 7: Picture scaling failed 8: Smart is not enabled 9: The picture does not exist or is too large/small 10: The maximum number of vehicle elements has been reached

6.11.2.2.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/VehicleLibraries/<ID>/Vehicle",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "VehicleList": [
        {
          "VehicleID": 0,
          "ResultCode": 0
        }
      ]
    }
  }
}
```

6.11.2.3 Batch Delete Vehicle Membership Information From a Specified Vehicle Library

6.11.2.3.1 Overview

name	Description
Interface Description	Batch deletes the vehicle membership information from the specified vehicle library
Interface version	V1.0
Interface address	/LAPI/V1.0/VehicleLibraries/<ID>/Vehicle
Interface request method	DELETE
Data submission method	application/json

6.11.2.3.2 URL Description

None

6.11.2.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of vehicles
VehicleInfoList	object[]	body	true	List of vehicle information
+BeginTime	integer	body	false	Start time, in UTC format, in seconds
+EndTime	integer	body	false	End time, in UTC format, in seconds
+PlateAttr	object	body	true	License plate information
++Plate	string	body	true	License plate number String length range: [1, 15]

6.11.2.3.4 Example of Request Parameters

```
{
  "Num": 0,
  "VehicleInfoList": [
    {
      "BeginTime": 0,
      "EndTime": 0,
      "PlateAttr": {
        "Plate": "浙 A00000"
      }
    }
  ]
}
```

6.11.2.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Batch operation returns the number of results
++ResultList	object[]	body	true	List of results information
+++VehicleID	integer	body	false	Vehicle number
+++ResultCode	integer	body	false	Return result code information

6.11.2.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/VehicleLibraries/<ID>/Vehicle",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "ResultList": [
        {
          "VehicleID": 0,
          "ResultCode": 0
        }
      ]
    }
  }
}
```

6.11.3 Vehicle Monitor

6.11.3.1 Add a Single License Plate Recognition Monitor Task

6.11.3.1.1 Overview

Names	Description
Interface Description	Add a single license plate recognition and control task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor

Names	Description
Interface request method	POST
How to submit data	application/json

6.11.3.1.2 URL Description

None

6.11.3.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
MonitorBaseInfo	object	body	true	Vehicle Monitor task configuration information
+Enabled	integer	body	true	Vehicle identification Monitor task enabled 0: disables 1: enabled
+Name	string	body	true	Vehicle identification Monitor name for the Monitor task String length range: [1, 63]
+Reason	string	body	true	The vehicle identifies the reason for the Monitor of the Monitor task String length range: [1, 63]
+MonitorAlarmType	integer	body	true	Cloth accuser type 0: Matches the alarm 1: The alarm is not matched
+MonitorReason	integer	body	true	Type of Monitor reason 0: The vehicle is robbed 1: Stolen car 2: Suspect car 3: traffic violation car 4: Emergency control car
+LibNum	integer	body	true	The number of vehicle libraries corresponding to the quest currently supports only one
+LibIDList	integer[]	body	true	List of library ids NVR implementation format: LibIDList: [0,1,2], this field is required
+ChannelNum	integer	body	true	Number of distributed channels
+ChannelIDList	integer[]	body	true	List of Monitor channels for the vehicle Monitor task The NVR implementation format is ChannelIDList: [0,1,2]. This field is mandatory
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
LinkageStrategy	object[]	body	true	Alarm linkage configuration array This field is not included when LinkageStrategyNum is 0
+Type	integer	body	true	Alarm type 1: The comparison succeeds

Parameter Names	Parameter type	Parameter location	Required	Description
				2: Compare failure
+LinkageActions	object	body	true	Linkage action of license plate recognition Monitor and control task
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection support 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters
WeekPlan	object	body	true	License plate recognition Monitor control task Monitor plan
+Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]

Parameter Names	Parameter type	Parameter location	Required	Description
++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.11.3.1.4 Example of Request Parameters

```
{
  "MonitorBaseInfo": {
    "Enabled": 0,
    "Name": "XXX ",
    "Reason": "YYYYY",
    "MonitorAlarmType": 0,
    "MonitorReason": 0,
    "LibNum": 1,
    "LibIDList": [
      0
    ],
    "ChannelNum": 0,
    "ChannelIDList": [
      0
    ]
  },
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 1,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 28,
            "ActParam": {}
          }
        ]
```

```
        }
      }
    ],
    "WeekPlan": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.11.3.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Monitor task ID

6.11.3.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0
    }
  }
}
```


6.11.3.2 Query All License Plate Recognition Monitor Tasks

6.11.3.2.1 Overview

Names	Description
Interface Description	Queryll license plate recognition Monitor tasks
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor
Interface request method	GET
Data submission method	application/json

6.11.3.2.2 URL Description

None

6.11.3.2.3 Request Parameters

None

6.11.3.2.4 Example of Request Parameters

None

6.11.3.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of license plate Monitor tasks
++VehiclePlateMonitorList	object	body	true	List of plate recognition Monitor tasks, this field is not returned if Num is 0
+++ID	integer	body	true	License plate recognition Monitor task serial number
+++MonitorBaseInfo	object	body	true	Vehicle Monitor task configuration information
++++Enabled	integer	body	true	Vehicle identification Monitor task enabled 0: disables 1: enabled
++++Name	string	body	true	Vehicle identification Monitor name for the Monitor task String length range: [1, 63]

Parameter Names	Parameter type	Parameter location	Required	Description
++++Reason	string	body	true	Vehicle identification Monitor task Monitor reasons String length range: [1, 63]
++++MonitorAlarmType	integer	body	true	Cloth accuser type 0: Matches the alarm 1: The alarm is not matched
++++MonitorReason	integer	body	true	Type of Monitor reason 0: The vehicle is robbed 1: Stolen car 2: Suspect car 3: Traffic violation car 4: Emergency control car
++++LibNum	integer	body	true	The number of vehicle libraries corresponding to the quest currently supports only one
++++LibIDList	integer[]	body	true	List of library ids NVR implementation format: LibIDList: [0,1,2], this field is required
++++ChannelNum	integer	body	true	Number of distributed channels
++++ChannelIDList	integer[]	body	true	List of Monitor channels for the vehicle Monitor task The NVR implementation format is ChannelIDList: [0,1,2]. This field is mandatory
+++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
+++LinkageStrategy	object[]	body	true	Alarm linkage configuration array This field is not included when LinkageStrategyNum is 0
++++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
++++LinkageActions	object	body	true	Linkage action of license plate recognition Monitor and control task
+++++Num	integer	body	true	Linkage quantity
+++++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
++++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
++++++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage

Parameter Names	Parameter type	Parameter location	Required	Description
				4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
++++++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters
+++WeekPlan	object	body	true	License plate recognition Monitor control task Monitor plan
++++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++++Days	object[]	body	true	List of Monitor plans for each day of the week
+++++ID	integer	body	true	Weekly index Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: Start the inspection 2: Police 3: Motion and call the police

Parameter Names	Parameter type	Parameter location	Required	Description
				4: motion or police 5: No plan 10: Events

6.11.3.2.6 Return Parameter Example


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "VehiclePlateMonitorList": {
        "ID": 0,
        "MonitorBaseInfo": {
          "Enabled": 0,
          "Name": "XXXXXX",
          "Reason": "YYYYY",
          "MonitorAlarmType": 0,
          "MonitorReason": 0,
          "LibNum": 1,
          "LibIDList": [
            0
          ],
          "ChannelNum": 0,
          "ChannelIDList": [
            0
          ]
        },
        "LinkageStrategyNum": 0,
        "LinkageStrategy": [
          {
            "Type": 1,
            "LinkageActions": {
              "Num": 1,
              "Actions": [
                {
                  "Enabled": 1,
                  "ActID": 28,
                  "ActParam": {}
                }
              ]
            }
          }
        ],
        "WeekPlan": {
          "Num": 1,
          "Days": [
            {
              "ID": 1,
              "Num": 1,
              "TimeSectionInfos": [
                {
                  "Begin": "00:00:00",
                  "End": "23:59:59",
```

```
                "ArmingType": 0
            }
        ]
    }
  ]
 }
}
}
}
}
```

6.11.3.3 Batch Delete Monitor Tasks

6.11.3.3.1 Overview

Names	Description
Interface Description	Batch delete monitor tasks
Interface Version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor
Interface request method	DELETE
Data submission method	application/json

6.11.3.3.2 URL Description

None

6.11.3.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of tasks to deploy
MonitorIDList	integer[]	body	true	Deploy the list of task ids Implemented in the format MonitorIDList:[0,1,2]

6.11.3.3.4 Example of Request Parameters

```
{
   "Num": 0,
   "MonitorIDList": [
      0
   ]
}
```

6.11.3.3.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Batch operation returns the number of results
++ResultList	object[]	body	false	List of result information This object is optional when Num is 0
+++ID	integer	body	true	Return result serial number
+++ResultCode	integer	body	true	Return error code See the error code for the specific device for details

6.11.3.3.6 Examples for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "ResultList": [
        {
          "ID": 0,
          "ResultCode": 0
        }
      ]
    }
  }
}
```

6.11.3.4 Query Single License Plate Recognition Monitor Task

6.11.3.4.1 Overview

Names	Description
Interface Description	Query single license plate recognition monitor task
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>
Interface request method	GET
How data is submitted	application/json

6.11.3.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
<ID>	integer	true	1	Monitor task ID

6.11.3.4.3 Request Parameters

None

6.11.3.4.4 Example for Request Parameters

None

6.11.3.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	License plate recognition Monitor task serial number
++MonitorBaseInfo	object	body	true	Vehicle Monitor task configuration information
+++Enabled	integer	body	true	Vehicle identification Monitor task enabled 0: disables 1: enabled
+++Name	string	body	true	Vehicle identification Monitor name for the Monitor task String length range: [1, 63]
+++Reason	string	body	true	Vehicle identification Monitor task Monitor reasons String length range: [1, 63]
+++MonitorAlarmType	integer	body	true	Cloth accuser type 0: Matches the alarm

Parameter Names	Parameter type	Parameter location	Required	Description
				1: The alarm is not matched
+++MonitorReason	integer	body	true	Type of Monitor reason 0: The vehicle is robbed 1: Stolen car 2: Suspect car 3: traffic violation car 4: Emergency control car
+++LibNum	integer	body	true	The number of vehicle libraries corresponding to the quest currently supports only one
+++LibIDList	integer[]	body	true	List of library ids NVR implementation format: LibIDList: [0,1,2], this field is required
+++ChannelNum	integer	body	true	Number of distributed channels
+++ChannelIDList	integer[]	body	true	List of Monitor channels for the vehicle Monitor task The NVR implementation format is ChannelIDList: [0,1,2]. This field is mandatory
++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
++LinkageStrategy	object[]	body	true	Alarm linkage configuration array This field is not included when LinkageStrategyNum is 0
+++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+++LinkageActions	object	body	true	Linkage action of license plate recognition Monitor and control task
++++Num	integer	body	true	Linkage quantity
++++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report

Parameter Names	Parameter type	Parameter location	Required	Description
				28: Deploy an audible alarm 29: linkage light alarm defense
+++++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters
++WeekPlan	object	body	true	License plate recognition Monitor control task Monitor plan
+++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
+++Days	object[]	body	true	List of Monitor plans for each day of the week
++++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++++Num	integer	body	true	Number of time slots per day The maximum size is 8 segments Value range: [1, 8]
++++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.11.3.4.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "MonitorBaseInfo": {
        "Enabled": 0,
        "Name": "纵火犯的布控任务",
        "Reason": "寻找纵火犯",
        "MonitorAlarmType": 0,
        "MonitorReason": 0,
        "LibNum": 1,
        "LibIDList": [
          0
        ],
        "ChannelNum": 0,
        "ChannelIDList": [
          0
        ]
      },
      "LinkageStrategyNum": 0,
      "LinkageStrategy": [
        {
          "Type": 1,
          "LinkageActions": {
            "Num": 1,
            "Actions": [
              {
                "Enabled": 1,
                "ActID": 28,
                "ActParam": {}
              }
            ]
          }
        }
      ],
      "WeekPlan": {
        "Num": 1,
        "Days": [
          {
            "ID": 1,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
    }
  }
}
```


6.11.3.5 Set a Single License Plate Recognition Monitor Task

6.11.3.5.1 Overview

Names	Description
Interface Description	Set a single license plate recognition MONITOR task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>
Interface request method	PUT
Data submission method	application/json

6.11.3.5.2 URL Description

None

6.11.3.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	License plate recognition Monitor task serial number, must be brought when Get method
MonitorBaseInfo	object	body	true	Vehicle Monitor task configuration information
+Enabled	integer	body	true	Vehicle identification Monitor task enabled 0: disables 1: enabled
+Name	string	body	true	Vehicle identification Monitor name for the Monitor task String length range: [1, 63]
+Reason	string	body	true	The vehicle identifies the reason for the Monitor of the Monitor task String length range: [1, 63]
+MonitorAlarmType	integer	body	true	Cloth accuser type 0: Matches the alarm 1: The alarm is not matched
+MonitorReason	integer	body	true	Monitor reason type 0: The vehicle is robbed 1: Stolen car 2: Suspect car 3: traffic violation car 4: Emergency control car
+LibNum	integer	body	true	The number of vehicle libraries corresponding to the quest currently supports only one
+LibIDList	integer[]	body	true	List of library ids NVR implementation format: LibIDList: [0,1,2]. This field is mandatory
+ChannelNum	integer	body	true	Number of distributed channels

Parameter Names	Parameter type	Parameter location	Required	Description
+ChannelIDList	integer[]	body	true	List of Monitor channels for the vehicle Monitor task The NVR implementation format is ChannelIDList: [0,1,2]. This field is mandatory
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
LinkageStrategy	object[]	body	true	Alarm linkage configuration array This field is not included when LinkageStrategyNum is 0
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Linkage action of license plate recognition Monitor and control task
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Linkage sound alarm Monitor 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters
WeekPlan	object	body	true	License plate recognition Monitor control task Monitor plan
+Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
+Days	object[]	body	true	List of Monitor plans for each day of the week
++ID	integer	body	true	Index of the Week Default: 1 1: Monday

Parameter Names	Parameter type	Parameter location	Required	Description
				2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
+++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.11.3.5.4 Example of Request Parameters

```
{
  "ID": 0,
  "MonitorBaseInfo": {
    "Enabled": 0,
    "Name": "XXXXXXXX",
    "Reason": "YYYYY",
    "MonitorAlarmType": 0,
    "MonitorReason": 0,
    "LibNum": 1,
    "LibIDList": [
      0
    ],
    "ChannelNum": 0,
    "ChannelIDList": [
      0
    ]
  },
```

```
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 1,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 28,
            "ActParam": {}
          }
        ]
      }
    }
  ],
  "WeekPlan": {
    "Num": 1,
    "Days": [
      {
        "ID": 1,
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
  }
}
```


6.11.3.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.11.3.5.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>".
    "ResponseCode": 0,
    "ResponseString": "Succeed",
```

```
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.11.3.6 Delete a Single License Plate Recognition Monitor Task

6.11.3.6.1 Overview

Names	Description
Interface Description	Delete a single license plate recognition monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>
Interface request method	DELETE
Data submission method	application/json

6.11.3.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
<ID>	integer	true	1	Monitor task ID

6.11.3.6.3 Request Parameters

None

6.11.3.6.4 Example for Request Parameters

None

6.11.3.6.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.11.3.6.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.11.3.7 Query the Action of a Single License Plate Recognition Monitor Task

6.11.3.7.1 Overview

Names	Description
Interface description	Query the action of a single license plate recognition monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/LinkageActions
Interface request method	GET
How data is submitted	application/json

6.11.3.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
<ID>	integer	true	1	Monitor task ID

6.11.3.7.3 Request Parameters

None

6.11.3.7.4 Example of Request Parameters

None

6.11.3.7.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
++LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+++Type	integer	body	false	Alarm type
+++LinkageActions	object	body	false	License plate recognition Monitor and control task linkage action
++++Num	integer	body	true	Linkage quantity
++++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+++++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++++ActParam	object	body	true	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.11.3.7.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
```

```
    "LinkageStrategyNum": 0,
    "LinkageStrategy": [
      {
        "Type": 0,
        "LinkageActions": {
          "Num": 1,
          "Actions": [
            {
              "Enabled": 1,
              "ActID": 28,
              "ActParam": {}
            }
          ]
        }
      }
    ]
  }
}
```


6.11.3.8 Set the Linkage Action for a Single License Plate Recognition Monitor Task

6.11.3.8.1 Overview

Names	Description
Interface Description	Set the linkage action for a single license plate recognition Monitor control task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/LinkageActions
Interface request method	PUT
Data submission method	application/json

6.11.3.8.2 URL Description

None

6.11.3.8.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
LinkageStrategy	object[]	body	false	Alarm linkage configuration array, without this field when LinkageStrategyNum is 0
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Deploy and control the task linkage action

Parameter Names	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration 28, 29 only intelligent motion detection is supported 0: Linkage NVR preview 1: activates the buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters The linkage parameter configuration varies according to different linkage items. For details, see 7.2.1 Alarm Linkage Action Parameter Table

6.11.3.8.4 Example of Request Parameters

```
{
  "LinkageStrategyNum": 1,
  "LinkageStrategy": [
    {
      "Type": 0,
      "LinkageActions": {
        "Num": 1,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 28,
            "ActParam": {}
          }
        ]
      }
    }
  ]
}
```

6.11.3.8.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.11.3.8.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.11.3.9 Query Single License Plate Recognition Monitor Plan

6.11.3.9.1 Overview

Names	Description
Interface Description	Query single license plate recognition monitor plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/WeekPlan
Interface request method	GET
How data is submitted	application/json

6.11.3.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
<ID>	integer	true	1	Monitor task ID

6.11.3.9.3 Request Parameters

None

6.11.3.9.4 Example of Request Parameters

None

6.11.3.9.5 Return Parameters

Parameter Names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Weekly index Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing.

Parameter Names	Parameter type	Parameter position	Required	Description
				0: Timed 1: Start the inspection 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.11.3.9.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.11.3.10 Set a Single License Plate Recognition Monitor Task

6.11.3.10.1 Overview

Names	Description
Interface Description	Set a single license plate recognition Monitor control task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/WeekPlan
Interface request method	PUT
Data submission method	application/json

6.11.3.10.2 URL Description

None

6.11.3.10.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++ArmingType	integer	body	false	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.11.3.10.4 Example of Request Parameters

```
{
  "Num": 1,
  "Days": [
```

```
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```


6.11.3.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.11.3.10.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/VehiclePlate/Recognition/Monitor/<ID>/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.11.4 Pass Record

6.11.4.1 Condition Query the Details of the Vehicle Pass Record

6.11.4.1.1 Overview

Names	Description
Interface Description	Condition Query the details of the vehicle passing record
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Smart/Vehicle/PassRecord
Interface request method	POST
How to submit data	application/json

6.11.4.1.2 URL Description

None

6.11.4.1.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Query the number of criteria Value range: [1,]
QueryInfos	object[]	body	false	Query the list of criteria, except when Num is 0
+QryType	integer	body	true	Query criteria 0: indicates the user name 1: organization name 2: name of the device 3: channel name 4: Time, in UTC format, unit of second 5: Service type (equivalent to main type) 6: Operation type (equivalent to sub-type) 7: Operation object 8: alarm type 9: indicates the name of the alarm source 10: alarm severity 11: indicates whether the alarm is confirmed 12: indicates the user who acknowledges the alarm 13: time when the alarm is acknowledged 14: alarm device ID 15: alarm channel ID 16: alarm subtype 17: Owning server
+QryCondition	integer	body	true	Query the conditional logical type 0: equal 1: greater than 2: less than 3: greater than or equal to 4: less than or equal to 5: not equal to 6: fuzzy query 7: IN collection 8: In ascending order 9: Descending order
+QryData	string	body	true	Query the Rvalue of the condition The alarm type is expressed as a string. Multiple types of Queryre supported. The alarm types are separated by commas. A maximum of 16 alarm types are supported at one time. This field is not required when the value of QryCondition is 6 or 7

Parameter Names	Parameter type	Parameter location	Required	Description
				Currently, only single-type queries are supported
Limit	integer	body	true	Number of queries per query, up to 32 Value range: [1, 32]
Offset	integer	body	true	Query from the current serial number, starting from 0 Value range: [0,]

6.11.4.1.4 Example of Request Parameters

```
{
   "Num": 4,
   "QueryInfos": [{
      "QryType": 32,
      "QryCondition": 7,
      "QryData": "1"
   },
   {
      "QryType": 4,
      "QryCondition": 3,
      "QryData": "1708876800"
   },
   {
      "QryType": 4,
      "QryCondition": 4,
      "QryData": "1708963199"
   },
   {
      "QryType": 4,
      "QryCondition": 9,
      "QryData": ""
   }],
   "Limit": 20,
   "Offset": 1
}
```

6.11.4.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Total	integer	body	true	Vehicle traffic record totals

Parameter Names	Parameter type	Parameter location	Required	Description
++Offset	integer	body	true	Start serial number, vehicle access record query start serial number
++Num	integer	body	true	Number of query results, vehicle traffic record number of query results
++VehiclePassRecordInfoList	object[]	body	false	Query result list, vehicle traffic record query result list. If Num is 0, this parameter is optional
+++PassingTime	integer	body	true	Crossing time, in UTC format, in seconds
+++ChannelName	string	body	true	Bayonet camera name String length range: [1, 63]
+++ChannelID	integer	body	true	Channel ID Value range: [1,]
+++PlateAttr	object	body	true	License plate capture information
++++PlatePicAttachIndex	integer	body	false	License plate picture index, the index of the small picture corresponding to the license plate in the image list
++++PlateNo	string	body	false	License plate number
++++Color	integer	body	false	License plate color See 7.1.1 General Color Table for details
+++VehicleAttr	object	body	true	Vehicle snap information
++++Color	integer	body	false	Body color Main color, optional if not detected See 7.1.1 General Color table for details
+++PlateImage	object	body	true	The license plate is captured in a picture, and the size of the picture after encryption is no more than 1M
++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
++++Type	integer	body	true	File type
++++LastChange	integer	body	true	Last modified time
+++VehicleImage	object	body	true	The vehicle captures the picture, carries it when structuring the query, and the size of the picture after encryption does not exceed 1M
++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]

Parameter Names	Parameter type	Parameter location	Required	Description
++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
++++Type	integer	body	true	File type
++++LastChange	integer	body	true	Last modified time
+++PanoImage	object	body	true	Panorama, carried when structured query, such as the specified image push for URL, need to pass/LAPI/V1.0/System/Picture interface for image information
++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
++++Type	integer	body	true	File type
++++LastChange	integer	body	true	Last modified time

6.11.4.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Vehicle/PassRecord",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Total": 20,
      "Offset": 1,
      "Num": 20,
      "VehiclePassRecordInfoList": [
        {
          "PassingTime": 1620412142,
          "ChannelName": "XX",
          "ChannelID": 1,
          "PlateAttr": {
            "PlatePicAttachIndex": 0,
            "PlateNo": " A00000",
            "Color": 0
          },
          "VehicleAttr": {
            "Color": 0
          },
          "PlateImage": {
            "Size": 1,
            "Data": "string",
            "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXX.jpg",
            "Type": 0
```

```
            },
            "VehicleImage": {
              "Size": 1,
              "Data": "string",
              "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XX.jpg",
              "Type": 0
            },
            "PanoImage": {
              "Size": 1,
              "Data": "string",
              "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXX.jpg",
              "Type": 0
            }
          }
        ]
    }
}
```


6.12 Search by Image

6.12.1 Create an Image Search Task

6.12.1.1 Overview

Names	Description
Interface Description	Create an image search task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Task
Interface request method	POST
How to submit data	application/json

6.12.1.2 URL Description

None

6.12.1.3 Request Parameters

None

6.12.1.4 Example of Request Parameters

None

6.12.1.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++TaskID	integer	body	true	Search for the task ID of the map by image Value range: [1,]

6.12.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Task".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "TaskID": 1
      }
   }
}
```

6.12.2 Operation Image Search Task

6.12.2.1 Overview

Names	Description
Interface Description	Start and stop the specified image search search task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Task/<ID>/Control
Interface request method	PUT
Data submission method	application/json

6.12.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	1	Task ID

6.12.2.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Control	integer	body	true	Type of operation 0: Start 1: Pause 2: Stop

6.12.2.4 Example of Request Parameters

```
{
   "Control": 0
}
```

6.12.2.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.12.2.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Task/<ID>/Control",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.12.3 Get the Image Search Task List

6.12.3.1 Overview

Names	Description
Interface Description	Get a list of Image search tasks

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Task
Interface request method	GET
How data is submitted	application/json

6.12.3.2 URL Description

None

6.12.3.3 Request Parameters

None

6.12.3.4 Example of Request Parameters

None

6.12.3.5 Returning Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of Image Search tasks The current NVR supports only one image search task at the same time, so this field is filled with 1 by default
++TaskList	object[]	body	true	Task list
+++TaskID	integer	body	true	Task ID Value range: [1,]
+++SimilarityThreshold	integer	body	true	Match the threshold below which results will not be returned Value range: [0, 100] Default value: 80
+++BeginTime	integer	body	true	Start time, UTC time
+++EndTime	integer	body	true	End time, UTC time
+++Status	integer	body	true	The status of the current Image Search task

Parameter Names	Parameter type	Parameter location	Required	Description
				0: Start 1: Pause 2: Stop

6.12.3.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Task",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "TaskList": [
        {
          "TaskID": 1,
          "SimilarityThreshold": 80,
          "BeginTime": 167835195,
          "EndTime": 165248753,
          "Status": 1
        }
      ]
    }
  }
}
```

6.12.4 Get the Progress of Image Search Task Retrieval

6.12.4.1 Overview

Names	Description
Interface description	Get the picture search task retrieval progress
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Progress?TaskID=<TaskID>
Interface request method	GET
How data is submitted	application/json

6.12.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
TaskID	integer	true	1	Image Search task ID

6.12.4.3 Request Parameters

None

6.12.4.4 Example of Request Parameters

None

6.12.4.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Percent	integer	body	true	Search progress, 100 indicates that the search task is completed Value range: [0, 100]
++EndTime	integer	body	true	End UTC time for retrieved data
++MatchNum	integer	body	true	Number of matches: A single task NVR caches up to 1000 matches Value range: [0, 1000]
++RunStatus	integer	body	true	Task Running status 0: Running normally 1: pausing 2: End 3: Run failed (common error) 4: Run failure (modeling failure)

6.12.4.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Progress?TaskID=<TaskID>",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Percent": 80,
         "EndTime": 165359873,
         "MatchNum": 100,
         "RunStatus": 1
      }
   }
}
```

6.12.5 Destroy Image Search Task

6.12.5.1 Overview

Names	Description
Interface Description	Destroy image search task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Task/<ID>
Interface request method	DELETE
Data submission method	application/json

6.12.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	1	Image Search task ID

6.12.5.3 Request Parameters

None

6.12.5.4 Example of Request Parameters

None

6.12.5.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.12.5.6 Return Parameters Example

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Task/<ID>".
      "ResponseCode": 0,
      "ResponseString": "Succeed",
```

```
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.12.6 Get Image Search Task Search Results

6.12.6.1 Overview

Names	Description
Interface Description	Get Image Search task search results
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Query?Task=<Task>&Limit=<Limit>&Offset=<Offset>&ImageDataType=<ImageDataType>
Interface request method	GET
How data is submitted	application/json

6.12.6.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
Task	integer	true	1	Task ID
Limit	integer	true	20	Number of queries per query, up to 20 at a time.
Offset	integer	true	10	Start sequence number, start the query from the current sequence number, starting from 0.
ImageDataType	integer	false	1	Picture data type. 0: Base64-encoded picture data (default) 1: picture URL

6.12.6.3 Request Parameters

None

6.12.6.4 Example of Request Parameters

None

6.12.6.5 Return Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter Names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Total	integer	body	true	Record the results Value range: [0, 1000]
++Offset	integer	body	true	Data start offset serial number
++Num	integer	body	true	The number of records returned
++FacePassRecordList	object[]	body	false	Human data array, carried when the search target is human data, not carried if None data
+++TargetFileName	string	body	true	Detect the file name of the target, delivered in SearchTarget String length range: [1, 255]
+++PassRecordInfo	object	body	true	Retrieved information about a human being
++++RecordID	integer	body	true	Face pass record ID Value range: [1,]
++++PassingTime	integer	body	true	Human time, in UTC format, in seconds
++++ChannelName	string	body	true	Capture channel name, range: [1, 63]
++++ChannelID	integer	body	true	Channel number Value range: [1,]
++++Similarity	integer	body	true	Similarity Value range: [0, 100] Default value: 80
++++SnapshotImage	object	body	true	Picture information
+++++BigImage	object	body	true	Large picture information, face condition Querynd capture report do not carry
++++++Name	string	body	false	File name When recording push in real time, use the Name field to push pictures String length range: [1, 256] The file is named by default without this field
++++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures

Parameter Names	Parameter type	Parameter location	Required	Description
++++++URL	string	body	false	Image URL When querying historical records, the URL field is used to report image information
++++++Type	integer	body	true	File type
++++++LastChange	integer	body	true	Last modified time
+++++SmallImage	object	body	true	Small picture information
++++++Name	string	body	false	File name When recording push in real time, use the Name field to push pictures String length range: [1, 256] The file is named by default without this field
++++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
++++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
++++++URL	string	body	false	Image URL When querying historical records, use the URL field to report image information
++++++Type	integer	body	true	File type
++++++LastChange	integer	body	true	Last modified time
++PersonList	object[]	body	false	List of persons, carried when the search target is a person, or not if None data
+++TargetFileName	string	body	true	Detect the destination file name, length range: [0, 770]
+++Similarity	integer	body	true	Similarity Value range: [0, 100] Default value: 80
+++TargetInfo	object	body	true	People information
++++PersonID	integer	body	true	Person ID
++++LastChange	integer	body	true	People info last modified (Unix timestamp)
++++PersonName	string	body	true	People names Scope: [1, 63]
++++Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Female
++++Birthday	string	body	true	Member's date of birth

Parameter Names	Parameter type	Parameter location	Required	Description
				Format YYYYMMDD, string length range: [1, 31]
++++Region	object	body	true	Member region Information
+++++Nation	string	body	true	Nationality String length range: [1, 63]
+++++Province	string	body	true	Provinces String length range: [1, 63]
+++++City	string	body	true	City String length range: [1, 63]
++++IdentificationNum	integer	body	true	Number of member credentials Currently the NVR supports only one ID This field is filled in 1 by default
++++IdentificationList	object[]	body	true	List of member ID information
+++++Type	integer	body	false	Type of credentials 0: ID card 1: IC card 2: QR code 3: Bluetooth number 99: Other, default
+++++Number	string	body	false	Id number String length range: [1, 31]
++++ImageNum	integer	body	true	Number of face pictures Currently, NVR supports only one image, and this field has a fixed value of 1
++++ImageList	object[]	body	false	Face picture information list This field is optional when ImageNum is 0
+++++FaceID	integer	body	true	Face Photo ID Currently NVR supports only one face photo Therefore, this field is currently filled with 0 by default
+++++ModelStatus	integer	body	true	Modeling state The state of turning the face picture into semi-structured data 0: Unmodeled 1: modeled 2: Modeling failed
+++++DownloadStatus	string	body	true	Picture download status 0: Download is not started 1: downloading 2: Download completed 3: The download fails Carry when querying only the members of the library and the face picture format is URL
+++++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried String length Value range: [0, 128]

Parameter Names	Parameter type	Parameter location	Required	Description
+++++Size	integer	body	true	Photo size
+++++Data	string	body	true	BASE64 encoded picture data
+++++FeatureNum	integer	body	true	Number of semi-structured features of the face
+++++FeatureList	object[]	body	true	Face semi-structured feature array Not included when FeatureNum is 0
++++++Manufacturer	string	body	true	Manufacturer name String length range: [0, 63]
++++++FeatureVersion	string	body	true	Face semi-structured feature version information String length range: [0, 20]
++++++Feature	string	body	true	Face semi-structured features Base64 encoded data
++++Desc	string	body	false	Note information String length range: [1, 128]

6.12.6.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Query?Task=<Task>&Limit=<Limit>&Offset=<Offset>&ImageDataType=
<ImageDataType>",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Total": 5000,
      "Offset": 100,
      "Num": 10,
      "FacePassRecordList": [
        {
          "TargetFileName": "FacePassRecord",
          "PassRecordInfo": {
            "RecordID": 1,
            "PassingTime": 1620412142,
            "ChannelName": "XX ",
            "ChannelID": 1,
            "Similarity": 80,
            "SnapshotImage": {
              "BigImage": {
                "Name": "string",
                "Size": 1,
                "Data": "string",
                "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXXX.jpg",
                "Type": 0,
                "LastChange": 0
              },
              "SmallImage": {
                "Name": "string",
                "Size": 1,
                "Data": "string",
                "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXXX.jpg",
                "Type": 0,
```

```
            "LastChange": 0
          }
        }
      }
    }
  ],
  "PersonList": [
    {
      "TargetFileName": "PersonList",
      "Similarity": 80,
      "TargetInfo": {
        "PersonID": 1,
        "LastChange": 1510925018,
        "PersonName": "string",
        "Gender": 0,
        "Birthday": "\"20180112\"",
        "Region": {
          "Nation": "China",
          "Province": "ZheJiang",
          "City": "HangZhou"
        },
        "IdentificationNum": 0,
        "IdentificationList": [
          {
            "Type": 0,
            "Number": "\"33022319890520222X\""
          }
        ],
        "ImageNum": 0,
        "ImageList": [
          {
            "FaceID": 0,
            "ModelStatus": 0,
            "DownloadStatus": "0",
            "Name": "string",
            "Size": 0,
            "Data": "string",
            "FeatureNum": 0,
            "FeatureList": [
              {
                "Manufacturer": "string",
                "FeatureVersion": "string",
                "Feature": "string"
              }
            ]
          }
        ],
        "Desc": "string"
      }
    }
  ]
}
}
```


6.12.7 Add Search Parameters for Image Search

6.12.7.1 Overview

Names	Description
Interface Description	Add search parameters for image search
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/SearchByImage/Task/<ID>/Target
Interface request method	POST
How to submit data	application/json

6.12.7.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	1	Task ID

6.12.7.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
SearchTarget	object	body	true	Retrieve target information
+TargetInfo	object	body	true	Target information
++SimilarityThreshold	integer	body	true	Match threshold (information below this threshold will not be returned) Value range: [0, 100] Default value: 80
++TargetNum	integer	body	true	Number of targets, currently only 1 is supported Default: 1
++TargetInfoList	object[]	body	true	Target information array
+++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
+++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
+++Type	integer	body	true	File type
+++LastChange	integer	body	true	Last modified time
CompareTarget	object	body	true	Retrieve range targets
+Type	integer	body	true	Target type Default: 1 1: Face 2: Human body (not supported yet)

Parameter Names	Parameter type	Parameter location	Required	Description
				3: Non-motor vehicles (not supported yet) 4: Motor vehicles (not supported yet)
+CompareLib	object	body	false	Library comparison information Compare the face library when the target type is face The CompareRecord struct can only choose between this and the Comparerecord struct
++LibType	integer	body	true	Compare library types Currently it can only be a face library 0: Face library 1: Vehicle library
++LibNum	integer	body	true	Compare number of libraries
++LibList	integer[]	body	true	Library list information
+CompareRecord	object	body	false	Compare information to people When the target type is a face This structure and CompareLib structure can only choose one or the other
++BeginTime	integer	body	true	Start time, UTC time
++EndTime	integer	body	true	End time, UTC time
++Num	integer	body	false	Number of channels, not filled Default Queryll channels
++ChannelList	integer[]	body	false	List of channels, required if Num is not 0

6.12.7.4 Example for Request Parameters

```
{
  "SearchTarget": {
    "TargetInfo": {
      "SimilarityThreshold": 80,
      "TargetNum": 1,
      "TargetInfoList": [
        {
          "Size": 1,
          "Data": "string",
          "URL": "photo/20190729/1114/ 20190719181741268_2_56_0_0_XXXX.jpg",
          "Type": 0,
          "LastChange": 0
        }
      ]
    }
  },
  "CompareTarget": {
    "Type": 1,
    "CompareLib": {
      "LibType": 0,
      "LibNum": 1,
      "LibList": [
        0
      ]
    },
```

```
    "CompareRecord": {
      "BeginTime": 1653781524,
      "EndTime": 1689754625,
      "Num": 1,
      "ChannelList": [
        0
      ]
    }
  }
}
```

6.12.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.12.7.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/SearchByImage/Task/<ID>/Target",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.13 Serial Port I/OS

6.13.1 Enter the Switch Quantity

6.13.1.1 Get a Detailed List of Multiple Alarm Input Channels

6.13.1.1.1 Overview

Names	Description
Interface Description	Query multiple alarm input channel details list.
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/IO/InputSwitches/BasicInfos
Interface request method	GET
How data is submitted	application/json

6.13.1.1.2 URL Description

None

6.13.1.1.3 Request Parameters

None

6.13.1.1.4 Example of Request Parameters

None

6.13.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Alarm enter the number of channels
++BasicInfos	object[]	body	false	Alarm input channel details list, this node is optional when Num is 0
+++ID	integer	body	true	Enter the switch quantity channel number The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on
+++Name	string	body	true	Channel name String length range: [1, 64]
+++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
+++Enabled	integer	body	true	Alarm Enable

Parameter names	Parameter type	Parameter location	Required	Description
				0: Disables 1: Enables the function

6.13.1.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/BasicInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "BasicInfos": [
        {
          "ID": 0,
          "Name": "\"IP Camera 01\"",
          "RunMode": 1,
          "Enabled": 0
        }
      ]
    }
  }
}
```


6.13.1.2 Query Information for the Specified Alarm Input Channel

6.13.1.2.1 Overview

Names	Description
Interface Description	Query information for the specified alarm input channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos
Interface request method	GET
How data is submitted	application/json

6.13.1.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	401	Alarm input channel code. For NVR, the parameter is channel number *100+ alarm input number, and the device itself channel number is 0

6.13.1.2.3 Request Parameters

None

6.13.1.2.4 Example of Request Parameters

None

6.13.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Enter the switch quantity channel number The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on
++Name	string	body	true	Channel name String length range: [1, 64]
++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
++Enabled	integer	body	true	Alarm Enable 0: Disables 1: enabled

6.13.1.2.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Name": "\"IP Camera 01\"",
      "RunMode": 1,
      "Enabled": 0
    }
  }
}
```

6.13.1.3 Modify Specific Alarm Input Channel Details

6.13.1.3.1 Overview

Names	Description
Interface Description	Set the information that specifies the alarm input channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos
Interface request method	PUT
Data submission method	application/json

6.13.1.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	integer	true	401	Alarm input channel code. The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on

6.13.1.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Enter the switch quantity channel number The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on
Name	string	body	true	Channel name String length range: [1, 64]
RunMode	integer	body	true	Alarm type 1: Normally open 2: Normally closed
Enabled	integer	body	true	Alarm Enable 0: Disables 1: enabled

6.13.1.3.4 Example of Request Parameters

```
{
   "ID": 0,
   "Name": "\"IP Camera 01\"",
   "RunMode": 1,
   "Enabled": 0
}
```


6.13.1.3.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	string	body	true	Response results

6.13.1.3.6 Example of Returning Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": "null"
   }
}
```


6.13.1.4 Query the Linkage Action for the Input Switch Quantity

6.13.1.4.1 Overview

Names	Description
Interface Description	Query the linkage action for a specified input switch quantity.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions
Interface request methods	GET
How data is submitted	application/json

6.13.1.4.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	401	Alarm input channel code. The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on

6.13.1.4.3 Request Parameters

None

6.13.1.4.4 Example for Request Parameters

None

6.13.1.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage Action information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output

Parameter names	Parameter type	Parameter location	Required	Description
				6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Deploy an audible alarm 29: linkage light alarm defense
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The linkage parameter configuration of different Actid items varies

6.13.1.4.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 0,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.13.1.5 Configure Linkage Action for the Input Switch Quantity

6.13.1.5.1 Overview

Names	Description
Interface Description	Sets the linkage action for specifying the input switch quantity.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions
Interface request methods	PUT
Data submission method	application/json

6.13.1.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	402	Alarm input channel code. The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on

6.13.1.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity
Actions	object[]	body	false	Linkage Action information table
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) 0: disables 1: enabled
+ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters IDActID is associated with ActParam and configured in ActParam with linkage parameters 0: Linkage NVR preview 1: Linkage buzzer 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 12: Linkage capture and upload E-mail 16: Linkage alarm report 28: Linkage sound alarm Monitor 29: linkage light alarm defense
+ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters The linkage parameter configuration of different Actid items varies

6.13.1.5.4 Example for Requesting Linkage Parameters

```
{
   "Num": 0,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 0,
         "ActParam": {}
      }
   ]
```

```
}
```

6.13.1.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.13.1.5.6 Examples of Return Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.13.1.6 Query the Monitor Plan with the Number of Switches

6.13.1.6.1 Overview

Names	Description
Interface Description	Query the Monitor plan with the number of switches.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan
Interface Request Method	GET
How data is submitted	application/json

6.13.1.6.2 URL Description

None

6.13.1.6.3 Request Parameters

None

6.13.1.6.4 Example for Request Parameters

None

6.13.1.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success.
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing.

Parameter names	Parameter type	Parameter location	Required	Description
				0: Timed 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.13.1.6.6 Return Parameter Examples

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.13.1.7 Configure Monitor Plan for the Input Switch Quantity

6.13.1.7.1 Overview

Names	Description
Interface Description	Configure Monitor plan for the input switch quantity.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan
Interface Request Method	PUT
Data submission method	application/json

6.13.1.7.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ID	Integer	true	401	Alarm input channel code. The value is video channel number *100+ alarm input serial number The device's own channel number is 0 For example, the channel number of the first alarm input port in channel 3 is 3 * 100 + 1 = 301 And so on

6.13.1.7.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum NVR of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time. The format is hh:mm:ss Seconds are not currently supported String length range: [0, 15]
++End	string	body	true	End time in the format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Full support for video/capture plans 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.13.1.7.4 Example of Request Parameters

```
{
 "Num": 1,
 "Days": [{
  "ID": 1,
  "Num": 1,
  "TimeSectionInfos": [{
   "Begin": "00:00:00",
   "End": "24:00:00",
   "ArmingType": 0,
   "Enabled": 1
  }]
 }]
}
```


6.13.1.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.13.1.7.6 Examples of Return Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.13.2 Output Switch Quantity

6.13.2.1 Get a Detailed List of Multiple Alarm Output Channels

6.13.2.1.1 Overview

Names	Description
Interface Description	Query detailed list of multiple alarm output channels.
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/IO/OutputSwitches/BasicInfos
Interface request method	GET
Data submission method	application/json

6.13.2.1.2 URL Description

None

6.13.2.1.3 Request Parameters

None

6.13.2.1.4 Example of Request Parameters

None

6.13.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of alarm output channels
++BasicInfos	object[]	body	false	Alarm output channel details list, this object is optional when Num is 0
+++ID	integer	body	true	Output switch quantity channel number For NVR, the value is video channel number *100+ alarm output serial number, and the device itself channel number is 0
+++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
+++Duration	integer	body	true	Duration For NVR's own channel and non-smart camera channel, value range: [5000, 3600000] For smart camera channels, value range [1000,3600000] All are in milliseconds

Parameter names	Parameter type	Parameter location	Required	Description
				When the delivered value is 0, it indicates unlimited duration

6.13.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "BasicInfos": [
        {
          "ID": 0,
          "RunMode": 1,
          "Duration": 5000
        }
      ]
    }
  }
}
```

6.13.2.2 Query the Alarm Output Channel Information

6.13.2.2.1 Overview

Names	Description
Interface Description	Query information about the specified alarm output channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos
Interface request method	GET
Data submission method	application/json

6.13.2.2.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	402	Alarm output channel coding. For NVR, the parameter is channel number *100+ alarm output number, and the device itself channel number is 0

6.13.2.2.3 Request Parameters

None

6.13.2.2.4 Example for Request Parameters

None

6.13.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Output switch quantity channel number For NVR, the value is video channel number *100+ alarm output serial number, and the device itself channel number is 0
++RunMode	integer	body	true	Alarm type 1: Normally open 2: Normally closed
++Duration	integer	body	true	Duration For NVR's own channel and non-smart camera channel, value range: [5000, 3600000] For smart camera channels, value range [1000,3600000] All are in milliseconds When the delivered value is 0, it indicates unlimited duration

6.13.2.2.6 Example for Returning Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "ID": 0,
         "RunMode": 1,
         "Duration": 5000
      }
   }
}
```


6.13.2.3 Set the Alarm Output Channel Information

6.13.2.3.1 Overview

Names	Description
Interface Description	Set the information to specify the alarm output channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos
Interface request method	PUT
Data submission method	application/json

6.13.2.3.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	402	Alarm output channel coding. For NVR, the parameter is channel number *100+ alarm output number, and the device itself channel number is 0

6.13.2.3.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Output switch quantity channel number For NVR, the value is video channel number *100+ alarm output serial number, and the device itself channel number is 0
RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
Duration	integer	body	true	Duration For NVR's own channel and non-smart camera channel, value range: [5000, 3600000] For smart camera channels, value range [1000,3600000] All are in milliseconds When the delivered value is 0, it indicates unlimited duration

6.13.2.3.4 Example of Request Parameters

```
{
  "ID": 101,
  "RunMode": 1,
  "Duration": 5000
}
```

6.13.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.13.2.3.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```

6.13.2.4 Query the Monitor Plan of the Output Switch Quantity

6.13.2.4.1 Overview

Names	Description
Interface Description	Query the Monitor plan of the output switch quantity.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan
Interface Request Method	GET
How data is submitted	application/json

6.13.2.4.2 URL Description

None

6.13.2.4.3 Request Parameters

None

6.13.2.4.4 Example for Request Parameters

None

6.13.2.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Maximum of 8(seven days a week and holidays) Value range: [1, 8]
++Days	object[]	body	true	List of Monitor plans for each day of the week
+++ID	integer	body	true	Index of the Week Default: 1 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+++Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++++Begin	string	body	true	Start time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++End	string	body	true	End time Format hh:mm:ss Seconds are not currently supported String length range: [1, 15]
++++ArmingType	integer	body	true	Type of defense Alarm Monitor of all types supports only the scheduled alarm Monitor and video/capture plan The default value is timing. 0: Timed 1: start check 2: Police 3: motion inspection and alarm 4: motion or police

Parameter names	Parameter type	Parameter location	Required	Description
				5: No plan 10: Events

6.13.2.4.6 Return Parameter Examples


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.13.2.5 Configure a Monitor Plan for Output Switch Quantity

6.13.2.5.1 Overview

Names	Description
Interface Description	Configure Monitor plan for the output switch quantity.
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan
Interface Request Method	PUT
Data submission method	application/json

6.13.2.5.2 URL Description

Parameter Names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	Alarm output channel coding.

Parameter Names	Parameter type	Required	Sample value	Description
				The parameter is channel number *100+ alarm output number, and the device itself channel number is 0

6.13.2.5.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Maximum NVR of 8(seven days a week and holidays) Value range: [1, 8]
Days	object[]	body	true	List of Monitor plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum number of blocks is 8 Value range: [1, 8]
+TimeSectionInfos	object[]	body	false	Deploy defense configuration information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time, format hh:mm:ss Seconds are not currently supported String length range: [0, 15]
++End	string	body	true	End time in the format hh:mm:ss Currently, seconds are not supported String length range: [0, 15]
++ArmingType	integer	body	true	Type of defense Only the scheduled alarm defense type is supported Video and capture plans are supported 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.13.2.5.4 Example for Request Parameters

```
{
  "Num": 1,
```

```
  "Days": [
    {
      "ID": 0,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "string",
          "End": "string",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```


6.13.2.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.13.2.5.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```


6.13.2.6 Manually Trigger or Clear the Switch Quantity Alarm

6.13.2.6.1 Overview

name	Description
Interface Description	Manually trigger or clear the switch quantity alarm
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/ManualAlarm

name	Description
Interface Request Methods	PUT
Data submission method	application/json

6.13.2.6.2 URL Description

None

6.13.2.6.3 Request Parameters

Parameter Names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Output switch quantity Alarm status Modify the number of channels
IDs	integer[]	body	false	Output a list of switch quantity numbers The value is the video channel number *100+ alarm output serial number, and the device itself channel number is 0 This field is optional when Num is 0
AlarmAction	integer	body	true	Switch quantity Output alarm action 0: Disables the alarm 1: triggers an alarm

6.13.2.6.4 Example of Request Parameters

```
{
   "Num":1,
   "IDs": [
      1001
   ],
   "AlarmAction": 1
}
```

6.13.2.6.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response data

6.13.2.6.6 Return Parameter Examples

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches ManualAlarm",
      "ResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {}
   }
}
```


6.13.2.7 Query the Logical Alarm Status of the Output Switch Quantity

6.13.2.7.1 Overview

Names	Description
Interface description	Query the logical alarm status of the output switch quantity
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/AlarmStatus
Interface Request Method	GET
How data is submitted	application/json

6.13.2.7.2 URL Description

None

6.13.2.7.3 Request Parameters

None

6.13.2.7.4 Example of Request Parameters

None

6.13.2.7.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

Parameter names	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Device alarm output switch measures the number of channels
++AlarmStatusList	object[]	body	false	Output switch quantity alarm status list This field is optional when Num is 0
+++ID	integer	body	true	Output switch quantity number The value is the video channel number *100+ alarm output serial number, and the device itself channel number is 0
+++AlarmStatus	integer	body	true	Output switch alarm status 0: No alarm is generated 1: Alarm

6.13.2.7.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/AlarmStatus",
    "ResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "AlarmStatusList": [
        {
          "ID": 0,
          "AlarmStatus": 0
        }
      ]
    }
  }
}
```


7 Appendix

7.1 Data Dictionary

7.1.1 General Color Table

Codes	Colors
0	black.
1	white.
2	Grey
3	red.
4	blue.

Codes	Colors
5	yellow.
6	orange.
7	brown.
8	green.
9	purple.
10	Cyan
11	pink.
12	Transparent
13	Silver white
14	Dark colors
15	Light colors
16	colourless
17	Yellow-green two-tone
18	Gradient Green
99	Other
100	Unknown

7.1.2 Type of Number Plate

Codes	Instructions
0	Unknown
1	Large car
2	Small car
3	Embassy car
4	Consulate car
5	Offshore car
6	Expat car
7	Second and third wheel motorcycle plates
8	Moped
9	Embassy Motorcycle

Codes	Instructions
10	Consulate Motorcycle
11	Overseas motorcycle
12	Expat motorcycle
13	Farm transporter
14	Tractor
15	Trailer
16	Trainer car
17	Trainer motorcycle
18	Test car
19	Trial motorcycle
20	Temporary entry car
21	Temporary Entry motorcycle
22	Temporary travel vehicle
23	Police car
24	Police motorcycle
25	Original farm machinery number plate
26	Hong Kong inbound and outbound vehicles
27	Macau Inbound/outbound car
28	Mid-sized car
31	Armed police number plate
32	Army number Plate
33	Pedestrian
34	Non-motor vehicle
51	Large new energy license plates
52	Small new energy license plates
99	Other

7.1.3 Device Type

Type of equipment	Description
IPC	Webcam
NVR	Network video recorder
VMS	Integrated Security all-in-one
HNVR	Hybrid NVR
EC	encoder
DC	Decoder
PTS	Face access control
DoorBell	Doorbell
AIBox	Smart Analysis Box
LC	Smart lock
AlarmHost	Alarm host
AccessHost	Access control host
EGS	Face access control management platform
GateWay	Gateway
RADAR	Radar
RV	Thundervision
ACS	Wisdom Pass all-in-one
VIC	Video intercom equipment
InDoorStation	Indoor unit
ModularDoorStation	Unit outdoor unit
ResidentialDoorStation	Kerf machine
OutDoorStation	Outdoorunit
ManagerStation	ManagerStation
CenterServer	CenterServer
VM	Video management service. This type is used by servers or all-in-one computers that contain video on the platform
NAS	Network add-on memory, available for small business and home editions of network memory

7.1.4 Yellow Card Bayonet Vehicle Model

Type of vehicle	Car model code
Ankai Bus -HFF6104GK39-0000	ANKAIKECHE-HFF6104GK39
Ankai Bus -HFF6105GK63-0000	ANKAIKECHE-HFF6105GK63
Ankaikeche-HFF6120k01D2E4-0000	ANKAIKECHE-HFF6120K01D2E4
Ankaikeche-HFF6120YK40C-0000	ANKAIKECHE-HFF6120YK40C
Ankaikeche-HFF6123K06D-0000	ANKAIKECHE-HFF6123K06D
Ankaikeche-HK6879H1-0000	ANKAIKECHE-HK6879H1
Ankaikeche-PK6831HH-0000	ANYUANKECHE-PK6831HH
Gem - Fortune Star 4102-0000	BAOSHI-FUXING4102
Beiben heavy truck -NG80-0000-ND4187A38J	BEIBENZHONGKA-NG80-0000-ND4187A38J
North Ben heavy truck -NG80-0000-ND4243L25J	BEIBENZHONGKA-NG80-0000-ND4243L25J
Beibenzhongka-NG80-0000-ND5310XXYZ07	BEIBENZHONGKA-NG80-0000-ND5310XXYZ07
Beibenzhongka-V3ET-0000	BEIBENZHONGKA-V3ET-0000
Beibenzhongka-V3M-0000	BEIBENZHONGKA-V3M-0000
Beibenzhongka -- BFC6112A1-0000	BEIFANGKECHE-BFC6112A1
Beifangkeche-BFC6121T-0000	BEIFANGKECHE-BFC6121T
Beifangkeche-BFC6128HS-0000	BEIFANGKECHE-BFC6128HS-0000
Beijing -- BJ5815P1-0000	BEIJING-BJ5815P1
Beijing - Qiling -0000	BEIJING-QILING
Beijing -- Qiling -- 0000-BJ1040P1S4	BEIJING-QILING-0000-BJ1040P1S4
Beijing -- Qilong -- 0000-BJ1126PPU91	BEIJING-QILONG-0000-BJ1126PPU91
Beijing -- Qilong 2-0000	BEIJING-QILONG2
Benz -ACTROS-0000-2644LS	BENCHI-ACTROS-0000-2644LS
Benz -ACTROS-0000-3346	BENCHI-ACTROS-0000-3344
Benz -ACTROS-0000-4141	BENCHI-ACTROS-0000-4141
Benz-Axor-0000	BENCHI-AXOR-0000
Benz - Ling -2012	BENCHI-LINGTE-2012
Benz -MB100-1998	BENCHI-MB100-1998
Benz -- Dump Truck -- 0000	BENCHI-ZIXIECHE
BYD-K6-0000	BIYADI-K6-0000
BYD-K7-0000	BIYADI-K7-0000

Type of vehicle	Car model code
BYD-K9-2014	BIYADI-K9-2014
Changan - Prodigy School Bus -2013	CHANGAN-SHENTONGXIAOCHE-2013
Changan Bus -- SC6821-0000	CHANGANKECHE-SC6821
Changan Crossing - Weibao -2009	CHANGANKUAYUE-WEIBAO-2009
Changan School bus -0000	CHANGANXIAOCHE-0000
Great Wall - Selling Touring Car -2009	CHANGCHENG-SAILINGFANGCHE-2009
Changhe - Freda -2009~2014	CHANGHE-FURUIDA-2009~2014
Chu Feng -HQG3120GD3-0000	CHUFENG-HQG3120GD3-0000
Chufeng-HqG5258xxyGD4-0000	CHUFENG-HQG5258XXYGD4-0000
Chufeng-tianlong-0000 (imitation)	CHUFENG-TIANLONG-0000(FANG)
Chufeng-zn22y5hr016-0000 (Fang)	CHUFENG-ZN22Y5HR016-0000
Chu Feng School Bus -HQ6900EXC4	CHUFENGXIAOCHE-HQG6900EXC4
Daewoo -GDW6121HKD2-0000	DAYUKECHE-GDW6121HKD2
Dayukeche-GDW6900HKE2-0000	DAYUKECHE-GDW6900HKE2-0000
Daewoo -GL6118EV1-0000	DAYUKECHE-GL6118EV1
Daewoo -GL6118HS-0000	DAYUKECHE-GL6118HS
Daewoo -GL6122HKD&E-0000	DAYUKECHE-GL6122HKD&E
Dayukeche-0000-CGC5140CCYHDE41E	DAYUN-AOPULI-0000-CGC5140CCYHDE41E
Dayun-Aopuli-CGC4180-0000	DAYUN-CGC4180
University-CGC4252-0000	DAYUN-CGC4252
Dayun -DYX10DYX12-0000	DAYUN-DYX10DYX12-0000
Dayun-fengchi -0000-CGC4180D5CAAA	DAYUN-FENGCHI-0000-CGC4180D5CAAA
Dayun-Fengchi-0000-CGC0000-0000	DAYUN-JIYUN
Dayun-jiyun -N6-0000-CGC5161CCYD4TAA	DAYUN-N6-0000-CGC5161CCYD4TAA
DayUN-N9-0000-CGC4250D5FCCH	DAYUN-N9-0000-CGC4250D5FCCH
Dayun-Yun-Yun-0000-DyQ1169D4UA	DAYUN-YUNTU-0000-DYQ1169D4UA
Dongfanghong -LT1030BM-0000	DONGFANGHONG-LT1030BM
Dongfanghong -LT3050HBC1-0000	DONGFANGHONG-LT3050HBC1-0000
Dongfanghong -- Chenglong -- LZ3310PEF-0000	DONGFENG-CHENGLONG-0000-LZ3310PEF
Dongfeng -- Chuangpu -- EQ4163WZ4G-0000	DONGFENG-CHUANGPU-0000-EQ4163WZ4G

Type of vehicle	Car model code
Dongfeng - Chuangpu-EQ4230WZ4D-0000	DONGFENG-CHUANGPU-0000-EQ4230WZ4D
Dongfeng-CLW5111GSST3-0000	DONGFENG-CLW5111GSST3
Dongfeng-Dalishen-0000	DONGFENG-DALISHEN
Dongfeng -DFE4254VF-0000	DONGFENG-DFE4254VF
Dongfeng - Dorika -0000	DONGFENG-DUOLIKA
Dongfeng - Dorica -2007	DONGFENG-DUOLIKA-2007
Dongfeng - Dorica -20102011 (Dongfeng - Dongfeng Star)	DONGFENG-DUOLIKA-20102011(DONGFENG-DONGFENGZHIXING)
Dongfeng Duolika D9-0000-DFA1160L15D7	DONGFENG-DUOLIKAD9-0000-DFA1160L15D7
Dongfeng - Dolica D9-0000-EQ5142XXYL9BDGAC	DONGFENG-DUOLIKAD9-0000-EQ5142XXYL9BDGAC
Dongfeng - Dorica S-0000	DONGFENG-DUOLIKAS-0000
Dongfeng-EQ3250GB3G-0000	DONGFENG-EQ3250GB3G
Dongfeng -EQ3310VT4-0000	DONGFENG-EQ3310VT4
Dongfeng - Freica -0000	DONGFENG-FURUIKA
Dongfeng - Frica -0000-EQ2043S8GDFAC	DONGFENG-FURUIKA-0000-EQ2043S8GDFAC
Dongfeng - Jiayun -0000	DONGFENG-JIAYUN
Dongfeng -- Jinka-0000	DONGFENG-JINKA
Dongfeng-Capt-0000-EQ1160L13DG	DONGFENG-KAIPUTE-0000-EQ1160L13DG
Dongfeng - Lotus School Bus -2011	DONGFENG-LIANHUAXIAOCHE-2011
Dongfeng - Pingshan King -0000	DONGFENG-PINGSHANWANG-0000
Dongfeng -SZD5100GSS-0000	DONGFENG-SZD5100GSS
Dongfeng - Special Shang -0000-EQ3160GFV2	DONGFENG-TESHANG-0000-EQ3160GFV2
Dongfeng - Tianjin -0000	DONGFENG-TIANJIN
Dongfeng - Tianjin-0000-CSC5160GFLD5	DONGFENG-TIANJIN-0000-CSC5160GFLD5
Dongfeng - Tianjin-0000-DFL1100B	DONGFENG-TIANJIN-0000-DFL1100B
Dongfeng-Tianlong-0000-DFH4250CX2	DONGFENG-TIANLONG-0000-DFH4250CX2
Dongfeng - Tianlong-0000-DFH5180XXYB1	DONGFENG-TIANLONG-0000-DFH5180XXYB1
Dongfeng - Tianlong-0000-DFL4240AX2A	DONGFENG-TIANLONG-0000-DFL4240AX2A
Dongfeng - Tianlong-0000-DFL4251AX16A	DONGFENG-TIANLONG-0000-DFL4251AX16A
Dongfeng - Little Bully -2004	DONGFENG-XIAOBAWANG-2004

Type of vehicle	Car model code
East Wind - Little Bully -2006	DONGFENG-XIAOBAWANG-2006
Dongfeng - Yufeng -2016	DONGFENG-YUFENG-2016
Dongfeng-Yufeng-0000	DONGFENGFENGXING-LINGZHI-0000
Dongfeng Bus - Chaolong -0000	DONGFENGKECHE-CHAOLONG
Dongfeng Bus -DFA6750H3G-0000	DONGFENGKECHE-DFA6750H3G
Dongfeng Bus -EQ6125LQ-0000	DONGFENGKECHE-EQ6125LQ
Dongfeng Bus -EQ6661PT-0000	DONGFENGKECHE-EQ6661PT
Dongfeng Bus -EQ6730L5N-0000	DONGFENGKECHE-EQ6730L5N
Dongfeng Bus -EQ6730PA1-0000	DONGFENGKECHE-EQ6730PA1
Dongfengkeche-Baron-0000	DONGFENGLIUQI-BALONG
Dongfengliuqi - Balong -0000-LZ5312XXYQEL	DONGFENGLIUQI-BALONG-0000-LZ5312XXYQEL
Dongfengliuqi - Chenglong H5-0000	DONGFENGLIUQI-CHENGLONGH5-0000
Dongfeng Liuqi - ChenglongH7-0001	DONGFENGLIUQI-CHENGLONGH7-0000
Dongfeng Liuqi - Chenglong Jinmancang -0000	DONGFENGLIUQI-CHENGLONGJINMANCANG-0000
Dongfeng Liuqi - Chenglong Jinniu -0000	DONGFENGLIUQI-CHENGLONGJINNIU-0000
Dongfeng Liuqi - Chenglong Jinniu 2-0000	DONGFENGLIUQI-CHENGLONGJIUNIU2-0000
Dongfeng Liuqi - Chenglong L3-0000	DONGFENGLIUQI-CHENGLONGL3-0000
Dongfeng Liuqi - Chenglong M3-0000-LZ3310PEF	DONGFENGLIUQI-CHENGLONGM3-0000-LZ3310PEF
Dongfeng Liuqi - Chenglong M3-0000-LZ3310PEF-0001	DONGFENGLIUQI-CHENGLONGM3-LZ3310PEF
Dongfeng Liuqi - Chenglong M5-0000 (Baron M5)	DONGFENGLIUQI-CHENGLONGM5-0000(BALONGM5)
Dongfeng Liuqi - ChenglongM7-0000 (BalongM7)	DONGFENGLIUQI-CHENGLONGM7-0000(BALONGM7)
Dongfeng Liuqi - Chenglong T7-0000	DONGFENGLIUQI-CHENGLONGT7-0000
Dongfeng Liuqi - Longka-0000-EQ4220AE	DONGFENGLIUQI-LONGKA-0000-EQ4220AE
Dongfeng Liuqi - Longka Kaishan King -0000	DONGFENGLIUQI-LONGKAKAISHANWANG
Dongfeng Nanchong - LongTeng-0000 (DNC3061G-40)	DONGFENGNANCHONG-LONGTENG-0000(DNC3061G-40)
Dongfengnanchong-DND4253CWB273H-0000	DONGFENGRICHANCHAI-DND4253CWB273H
Dongfeng Nissan Chai-Youdi Shi-0000-DND5243GJBCWB452K	DONGFENGRICHANCHAI-YOUDISHI-0000-DND5243GJBCWB452K
Dongfeng Shenyu - Yuhu -0000-EQ5252XYKLV2	DONGFENGSHENYU-YUHU-0000-EQ5252XYKLV2
Dongfeng Shenyu - Yuhu-0000-EQ5253CCYF1	DONGFENGSHENYU-YUHU-0000-EQ5253CCYF1

Type of vehicle	Car model code
Dongfeng Shenyu - Yulong -0000-EQ5253CCYF1	DONGFENGSHENYU-YULONG-0000-EQ5253CCYF1
Dongfengshen-EQ3250GD5DA-0000	DONGFENGZHUANGDI-EQ3250GD5DA
Dongfengzhuangdi - Delica -2008	DONGNAN-DELIKA-2008
Dongnan-delika -2009	DONGNAN-DELIKA-2009
Galloping Bus -FSQ6105HT-0000	FEICHIKECHE-FSQ6105HT-0000
Toyota - Sea Lion -2011	FENGTIAN-HAISHI-2011
Toyota - Haishi -2001-9SEAT	FENGTIAN-HIACE-2001-9SEAT
Toyota - Sea Lion -2011-10SEAT	FENGTIAN-HIACE-2011-10SEAT
Toyota - Sea Lion -2011-13SEAT	FENGTIAN-HIACE-2011-13SEAT
Toyota - Kowloon Sea Lions -2010	FENGTIAN-JIULONGHAISHI-2010
Toyota Bus - Costa -0000-30 seater	FENGTIANKECHE-KAOSITE-0000-30ZUO
Toyota Bus - Kauster -2012- Import	FENGTIANKECHE-KAOSITE-2012-JINKOU
Toyota Bus - Kaosite-2013	FENGTIANKECHE-KAOSITE-2013
Ford - Classic Smooth -2003	FUTE-JINGDIANQUANSHUN-2003
Ford - Classic Quanshun -2009	FUTE-JINGDIANQUANSHUN-2009
Ford - New Era Quanshun -2009	FUTE-XINSHIDAIQUANSHUN-2009
Ford - New Era -2013	FUTE-XINSHIDAIQUANSHUN-2013
Futon - Okuzu -0000	FUTIAN-AOLING
Futian - Aoling CTX-0000-BJ5169XXY-FC	FUTIAN-AOLINGCTX-0000-BJ5169XXY-FC
Futian - AolingCTX-0000	FUTIAN-AOLINGTX
Futian - AolingTX CTX-2010	FUTIAN-AOLINGTX-2010
Futian - Scenic Sea Lion -1999	FUTIAN-FENGJINGHAISHI-1999
Futian - Scenery Quick -2012	FUTIAN-FENGJINGKUAIJIE-2012
Futian - Scenery Express -2011	FUTIAN-FENGJINGKUAIYUN-2011
Foton-monpeck E-2010	FUTIAN-MENGPAIKEE-2010
Futian - Mengpaikee-2014	FUTIAN-MENGPAIKEE-2014
Futian - Omark -0000	FUTIAN-OUMAKE
Futian - O 'Marco S5-0000	FUTIAN-OUMAKES5-0000
Futian - Oumak EST-0000-BJ4253SMFKB-AA	FUTIAN-OUMANEST-0000-BJ4253SMFKB-AA
Futian - Oumanest -0000-BJ4269SNFKB-B2	FUTIAN-OUMANEST-0000-BJ4269SNFKB-B2

Type of vehicle	Car model code
Futian - Oumanest ETX-20092013	FUTIAN-OUMANETX-20092013
Futian - OumanETX Series 5 Series -0000	FUTIAN-OUMANETX3XI5XI-0000
Foton - Auman ETX3 Series 5 Series -0000 (modified)	FUTIAN-OUMANETX3XI5XI-0000(GAI)
Futian - OumanetX9 Series -2004	FUTIAN-OUMANETX9XI-2004
Futian - Oumanet GTL-0000	FUTIAN-OUMANGTL
Futian - Oumangtl GTL-0000-BJ4259SNFKB-AA	FUTIAN-OUMANGTL-0000-BJ4259SNFKB-AA
Foton-oumangtl-auman GTL6 Series -0000-BJ4259SNFKB-XF	FUTIAN-OUMANGTL6XI-0000-BJ4259SNFKB-XF
Futian - Auman GTL9 series -0000-BJ3319DMPKF-AB	FUTIAN-OUMANGTL9XI-0000-BJ3319DMPKF-AB
Futian-OumangTL-0000-Q5	FUTIAN-RUIWO-0000-Q5
Futian - Rivao Vajra -0000-BJ3315DNPHC-FE	FUTIAN-RUIWOJINGANG-0000-BJ3315DNPHC-FE
Foton Daimler-Auman EST-0000-BJ4253SMFKB-AA	FUTIANDAIMULE-OUMANEST-0000-BJ4253SMFKB-AA
Foton Daimler-Oumanest -0000-BJ4269SNFKB-B2	FUTIANDAIMULE-OUMANEST-0000-BJ4269SNFKB-B2
Futian Bus -BJ6102-0000	FUTIANKECHE-BJ6102
Futian Bus -BJ6113-0000	FUTIANKECHE-BJ6113
Futian Bus -BJ6115U8AJB-0000	FUTIANKECHE-BJ6115U8AJB-0000
Futian Bus -BJ6120U8LJ8-2011	FUTIANKECHE-BJ6120U8LJB-2011
Futian Bus -BJ6122U7MKB-0000-1	FUTIANKECHE-BJ6122U7MKB-0000-1
Futian Bus -BJ6126U8MJB-0000	FUTIANKECHE-BJ6126U8MJB-0000
Foton Bus -BJ6830U6-0000-1	FUTIANKECHE-BJ6830U6LFB-0000-1
Futian Bus -BJ3850-0000	FUTIANKECHE-BJ6850
Futian Bus -BJ6900U7ACB-0000	FUTIANKECHE-BJ6900U7ACB
Futian Bus - Ouhui -0000	FUTIANKECHE-OUHUI
Futian Bus - Ouhui -0000-BJ6122	FUTIANKECHE-OUHUI-0000-BJ6122
Futian Bus - OuhuI-0000-BJ6129u8BKB	FUTIANKECHE-OUHUI-0000-BJ6129U8BKB
Futian Times - Furui -0000-2800	FUTIANSHIDAI-FURUI-0000-2800
Futian Times - Jieshun -0000	FUTIANSHIDAI-JIESHUN
Fukuda Times - Kong -2006	FUTIANSHIDAI-JINGANG-2006
Futian Times - Vajra -0000-BJ3123dJPFA-1	FUTIANSHIDAI-JINGANG-0000-BJ3123DJPFA-1
Futianshidai-jingang 628-0000	FUTIANSHIDAI-JINGANG628

Type of vehicle	Car model code
Futianshidai - Jingang928-0000	FUTIANSHIDAI-JINGANG928-0000
Futian Era -K1-0000	FUTIANSHIDAI-K1
Futian Times - Conrey H2-0000	FUTIANSHIDAI-KANGRUI-H2-0000
Futianshidai-kangrui H2-0000-2	FUTIANSHIDAI-KANGRUIH2
Futianshidai-riich 2-0000	FUTIANSHIDAI-RUIQI2
Foton Times - Rivo -0000-B2	FUTIANSHIDAI-RUIWO-0000-B2
Fukuda Times - Ruiwo-0000-BJ1122vFPHK-G1	FUTIANSHIDAI-RUIWO-0000-BJ1122VFPHK-G1
Fukuda Times - Ruiwo-0000-RC2	FUTIANSHIDAI-RUIWO-0000-RC2
Futian Times - Ruiwo 135-0000	FUTIANSHIDAI-RUIWO135-0000
Futian Times - Ruiwo 6-0000	FUTIANSHIDAI-RUIWO6
Futian Times - Saio-0000	FUTIANSHIDAI-SAIAO-0000
Futianshidai-Saiao-0000	FUTIANSHIDAI-XIANGSHI
Futianshidai-xiangshi - Fukuda Era	FUTIANSHIDAI-XIAOKAZHIXING
Fukuda Era - Small Card Star 2-2010- Pilot	FUTIANSHIDAI-XIAOKAZHIXING2-2010-LINGHANG
Futian Times -- Yu Ling -- 2009	FUTIANSHIDAI-YULING-2009
Futian Time -- Yu Ling -- 2010	FUTIANSHIDAI-YULING-2010
Futian Times - Yu Ling -2011	FUTIANSHIDAI-YULING-2011
Futianshidai - Yuwei -0000	FUTIANSHIDAI-YUWEI-0000
Gac Hino -700-0000-450	GUANGQIRIYE-700-0000-450
Hafei - Panthers 1027-2010	HAFEI-HEIBAO1027-2010
Hafei-black Panther 1030-2010	HAFEI-HEIBAO1030-2010
It's a Hag-H5C-2011	HAIGE-H5C-2011
Haige-H5KLQ6798-0000	HAIGEKECHE-H7KLQ6798
Haigekeche-KLQ6122DAe5&C5-0000	HAIGEKECHE-KLQ6122DAE5&C5
Haigekeche-KLQ6125KA-0000	HAIGEKECHE-KLQ6125KA
Haigekeche-KLQ6129GEV1-0000	HAIGEKECHE-KLQ6129GEV1
Haigekeche-KLQ6129KA-0000	HAIGEKECHE-KLQ6129KA
Haigekeche-KLQ6142DAe51-0000	HAIGEKECHE-KLQ6142DAE51
Haigekeche-KLQ6145B-0000	HAIGEKECHE-KLQ6145B
Haigekeche-KLQ6608-0000	HAIGEKECHE-KLQ6608

Type of vehicle	Car model code
Haigekeche-KLQ6702EV-0000	HAIGEKECHE-KLQ6702EV
Haigekeche-KLQ6796-0000	HAIGEKECHE-KLQ6796
Haigekeche-KLQ6798-0000	HAIGEKECHE-KLQ6798
Haigekeche-KLQ6977-0000	HAIGEKECHE-KLQ6977
Haigekeche-HSZ6910GJ-0000	HENGSHANKECHE-HSZ6910GJ
Valin-hanma H6-0000	HUALING-HANMAH6-0000
Hualing - Valin Star -2009	HUALING-HUALINGZHIXING-0000
Hualing - Hualingzhixing -0000	HUALING-HUALINGZHONGKA-0000
Valing-hualingzhongka -0000	HUALING-XINGKAIMA
Hualing - Xingkaima -2006	HUALING-XINGKAIMA-2006
Hualing - Xingkaima -2006	HUALING-XINGMA-2006
Huanghai Truck-DD3163P01-0000	HUANGHAIKACHE-DD3163P01
Huanghaikache -DD6119C51-0000	HUANGHAIKECHE-DD6119C51
Huanghaikeche-DD6610EV12-0000	HUANGHAIKECHE-DD6610EV12
Huanghaikeche-DD6892DD6922DD6930-0000	HUANGHAIKECHE-DD6892DD6922DD6930
Huanghaikeche-DD6907C08C09-0000	HUANGHAIKECHE-DD6907C08C09
Huanghaikec-DD6800C05FX-0000	HUANGHAIXIAOCHE-DD6800C05FX
Huaxi Bus -CDL6606CNG-0000	HUAXIKECHE-CDL6606CNG-0000
Huazhong Brand -WH5064-0000	HUAZHONGPAI-WH5064-0000
Zhonghua Brand -WH5070-0000	HUAZHONGPAI-WH5070-0000
Jianghuai - Great Luck -0000-HFC1120K1T	JIANGHUAI-DAHAOYUN-0000-HFC1120K1T
Jianghuai - Dingli-0000-HFC3060KR1z	JIANGHUAI-DINGLI-0000-HFC3060KR1Z
Jianghuai - Dingli-0000-I	JIANGHUAI-DINGLI-0000-I
Jianghuai - Dingli -0000-II	JIANGHUAI-DINGLI-0000-II
Jianghuai - Gerfa A3-0000-HFC4180KR1K3	JIANGHUAI-GEERFAA3-0000-HFC4180KR1K3
Jianghuai - Geerfa A3-0000-HFC4181P2K4A35F	JIANGHUAI-GEERFAA3-0000-HFC4181P2K4A35F
Jianghuai - Geerfa A5-0000-HFC4181P3K3A35S1V	JIANGHUAI-GEERFAA5-0000-HFC4181P3K3A35S1V
Jianghuai - GeerfaaH-2009	JIANGHUAI-GEERFAH-2009
Jianghuai - Geerfah -2010	JIANGHUAI-GEERFAH-2010
Jianghuai - Geerfah -2012	JIANGHUAI-GEERFAH-2012

Type of vehicle	Car model code
Jianghuai - Geerfah-2012 -1	JIANGHUAI-GEERFAH-2012-1
Jianghuai - Geerfah -2012-2	JIANGHUAI-GEERFAH-2012-2
Jianghuai - GeerfaH-2012-3 (modified)	JIANGHUAI-GEERFAH-2012-3(GAI)
Jianghuai - Geerfah-K-2011	JIANGHUAI-GEERFAK-2011
Jianghuai - Geerfak K5-0000-HFC4171P3K2A35S1V	JIANGHUAI-GEERFAK5-0000-HFC4171P3K2A35S1V
Jianghuai - Geerfak0000-HFC5251xxYP1K5D54S7V-0000	JIANGHUAI-GEERFAK5W-0000-HFC5251XXYP1K5D54S7V-0000
Jianghuai - GeerfaK5X-0000-HFC1251P2K3D54S2V	JIANGHUAI-GEERFAK5X-0000-HFC1251P2K3D54S2V
Jianghuai - Geerfa K6L-0000-HFC5161CCYP3K2A50S5V	JIANGHUAI-GEERFAK6L-0000-HFC5161CCYP3K2A50S5V
Jianghuai - GeerfaK6L-0000-HFC4252P13K7E33S7V	JIANGHUAI-GEERFAK7-0000-HFC4252P13K7E33S7V
Jianghuai -GXQ5080CLXYMB-0000	JIANGHUAI-GXQ5080CLXYMB
Jianghuai -GXQ5314CLXYMB-0000	JIANGHUAI-GXQ5314CLXYMB
Jianghuai - Haowei -2013	JIANGHUAI-HAOWEI-2013
Jianghuai - Good Luck V-0000	JIANGHUAI-HAOYUNV
Jianghuai - Junling -0000-HFC5043CCYP91K5C2	JIANGHUAI-JUNLING-0000-HFC5043CCYP91K5C2
Jianghuai - Junling -2008	JIANGHUAI-JUNLING-2008
Jianghuai - Junling E7-0000-HFC1056P91K1C6V	JIANGHUAI-JUNLINGE7-0000-HFC1056P91K1C6V
Jianghuai - Junling V6-2016	JIANGHUAI-JUNLINGV6-2016
Jianghuai - Junling V9-0000-HFC1181P3K2A53S5V	JIANGHUAI-JUNLINGV9-0000-HFC1181P3K2A53S5V
Jianghuai - Bright Sword -0000-1	JIANGHUAI-LIANGJIANZHE-0000-1
Jianghuai - Liangjianzhe -0000-2	JIANGHUAI-LIANGJIANZHE-0000-2
Jianghuai - Ruifeng -2007	JIANGHUAI-RUIFENG-2007
Jianghuai - Ruifeng -2011	JIANGHUAI-RUIFENG-2011
Jianghuai - Shuailing -0000	JIANGHUAI-SHUAILING
Jianghuai - Shuai Ling -0000-2	JIANGHUAI-SHUAILING-0000-2
Jianghuai - Shuailing-0000-HFC1142P70K1E1	JIANGHUAI-SHUAILING-0000-HFC1142P70K1E1
Jianghuai - Weiling -0000-1	JIANGHUAI-WEILING
Jianghuai - Weiling -0000-2	JIANGHUAI-WEILING-0000
Jianghuai - Xingrui -2011	JIANGHUAI-XINGRUI-2011
Jianghuai Bus -HFC6108H4-0000	JIANGHUAIKECHE-HFC6108H4-0000
Jianghuai Bus -HK6105G-0000	JIANGHUAIKECHE-HK6105G

Type of vehicle	Car model code
Jianghuai Modern Bus -HFC6700JK4-0000	JIANGHUAIXIANDAIKECHE-HFC6700JK4
Jianghuai Modern Bus -HK6120M-0000	JIANGHUAIXIANDAIKECHE-HK6120M-0000
Jianghuai Modern Bus -- HK6608K-0000	JIANGHUAIXIANDAIKECHE-HK6608K
Jiangling - Carrie-0000	JIANGLING-KAIRUI
Jiangling - Kairui 8000-0000	JIANGLING-KAIRUI800-0000
Jiangling -- KairUI-0000-2.8 MTDSP	JIANGLING - QINGKA - 0000-2.8 MTDSP
Jiangling - Shunda -0000	JIANGLING-SHUNDA
Jiangling-shunda -2007 (Jiangling-Shunda)	JIANGLING-SHUNDA-2007(JIANGLING-KAIYUN)
Jiangling Bus - Kaust-0000-JX6606VDF	JIANGLINGKECHE-KAOSITE-0000-JX6606VDF
Jianglingkeche-jiulong Motor -0000-A5	JIANGTE-JIULONGQICHE-0000-A5
Jimsy - Sayway -0000	JIMUXI-SAIWEI
Jimuxi - Business Star -0000	JIMUXI-SHANGWUZHIXING
Gold Cup - Sea Lion -2011	JINBEI-DAHAISHI-2011
Jinbei-dahaishi -2007-2	JINBEI-GERUISI-2007-2
Jinbei - Geruisi -2008	JINBEI-GERUISI-2008
Jinbei - Geruisi -2010	JINBEI-GERUISI-2010
Jinbei-geruisi -1999	JINBEI-HAISHI-1999
Jinbei-haishi -1999-2	JINBEI-HAISHI-1999-2
Jinbei-haishi -2000	JINBEI-HAISHI-2000
Jinbei-haishi -2002	JINBEI-HAISHI-2002
Jinbei-haishi -- 20082011	JINBEI-HAISHI-20082011
Jinbei-haishi -- 2014 -- Power King	JINBEI-HAISHI-2014-DONGLIWANG
Jinbei-haishi -- 2014 -- Express King	JINBEI-HAISHI-2014-KUAIYUNWANG
Jinbei-haishi -2018	JINBEI-HAISHI-2018
Jinbei-haishi Sixth Generation -2011	JINBEI-HAISHIDILIUDAI-2011
Jinbei - Nuclear Power -2005	JINBEI-HEDONGLI-2005
Jinbei - Lingchi -0000	JINBEI-LINGCHI
Jinbei - Linggi -2008	JINBEI-LINGQI-2008
Jinbei -- Qiyun -- 2013	JINBEI-QIYUN-2013
Jinbei-Qiyun-2014	JINBEI-XINGERUISI-2014

Type of vehicle	Car model code
Jinggong - Yuanyuan-0000-ZJz4251dph4az3	JINGGONG-YUANZHENG-0000-ZJZ4251DPH4AZ3
Jinggong Heavy card - Remote - 0000(ZJZ5312CCYDPT7AZ3)	JINGGONGZHONGKA-YUANCHENG-0000-ZJZ5312CCYDPT7AZ3
Jinlong - Haishi -0000	JINLONG-HAISHI-0000
Jinlong - Jinwei Yuchai -0000	JINLONG-JINWEIYUCHAI
Jinlong Bus -6125AY-0000	JINLONGKECHE-6125AY
Jinlongkeche-KLQ6220-0000	JINLONGKECHE-KLQ6120
Jinlongkeche-KLQ6720E1-0000	JINLONGKECHE-KLQ6720E1
Jinlongkeche-KLQ6758E3-0000	JINLONGKECHE-KLQ6758E3
Jinlongkeche-KLQ6796-0000	JINLONGKECHE-KLQ6796
Jinlongkeche-V90-0000-KLQ6109	JINLONGKECHE-V90-0000-KLQ6109
Jinlongkeche-XMQ6106A-0000	JINLONGKECHE-XMQ6106A
Jinlongkeche-XMQ6106AGHEV11-0000	JINLONGKECHE-XMQ6106AGHEV11
Jinlongkeche-xMQ6115AY-0000	JINLONGKECHE-XMQ6115AY
Jinlongkeche-xMQ6119y2-0000	JINLONGKECHE-XMQ6119Y2
Jinlongkeche-xMQ6121G-0000	JINLONGKECHE-XMQ6121G
Jinlongkeche-xMQ6122-0000	JINLONGKECHE-XMQ6122
Jinlongkeche-xMQ6122JWP1-0000	JINLONGKECHE-XMQ6122JWP1
Golden Dragon Bus -XMQ6125HY-0000	JINLONGKECHE-XMQ6125HY
Jinlongkeche-XMQ6126Y4-0000	JINLONGKECHE-XMQ6126Y4
Jinlongkeche-xmq6128 ~6129-0000	JINLONGKECHE-XMQ6128~6129
Jinlongkeche-xmq61 series-0000	JINLONGKECHE-XMQ61XILIE
Jinlongkeche-xMQ6606NA3-0000	JINLONGKECHE-XMQ6606NA3-0000
Jinlongkeche-xmq6608-0000 (Jinlongkeche-XMQ6668-0000)	JINLONGKECHE-XMQ6608(JINLONGKECHE-XMQ6668)
Jinlongkeche-XMQ6773-0000	JINLONGKECHE-XMQ6793
Jinlongkeche-xMQ6879Y-0000	JINLONGKECHE-XMQ6879Y
Golden Dragon Bus -XMQ6931G-0000	JINLONGKECHE-XMQ6931G
Jinlongkeche-xMQ6996Y-0000	JINLONGKECHE-XMQ6996Y
Jinlongkeche-Haili-2005-Biaozhun	JINLV-HAISHI-2005-BIAOZHUN
Jinlv-haishi -- 2010	JINLV-HAISHI-2010

Type of vehicle	Car model code
Jinlv-haishi -- 2010-491Q-M	JINLV-HAISHI-2010-491Q-M
Jinlv Bus -XML6102-0000	JINLVKECHE-XML6102
Jinlvkeche -XML6105-0000(Jinlvkeche -XML6115-0000)	JINLVKECHE-XML6105(JINLVKECHE-XML6115)
Jinlvkeche -XML6120E21H-0000	JINLVKECHE-XML6120E21H
Golden Passenger Car -XML6122 Snow Leopard -0000	JINLVKECHE-XML6122XUEBAO-0000
Jinlvkeche -XML6125-0000	JINLVKECHE-XML6125-0000
Jinlvkeche -XML6126-0000	JINLVKECHE-XML6126
Jinlvkeche -XML6127-0000	JINLVKECHE-XML6127
Jinlvkeche -XML6127-2008	JINLVKECHE-XML6127-2008
Jinlvkeche -- XML6127J12WZ-0000	JINLVKECHE-XML6127J12WZ
Jinlvkeche -XML6146-0000	JINLVKECHE-XML6146
Jinlvkeche -XML6700 Kauster -0000	JINLVKECHE-XML6700KAOSITE
Golden Travel Bus -XML6704E1-0000 (Costa)	JINLVKECHE-XML6704E1-0000(KAOSITE)
Jinlvkeche - XML6707-0000 (kaosite)	JINLVKECHE-XML6757
Jinlvkeche -XML6758J18-0000	JINLVKECHE-XML6758J18
Jinlvkeche-XML6836E1G-0000	JINLVKECHE-XML6836E1G
Jinlvkeche -XML6845-0000	JINLVKECHE-XML6845
Jinlvkeche -XML6897-0000	JINLVKECHE-XML6897-0000
Jinlvkeche -XML6997-0000	JINLVKECHE-XML6997
Caima-Fleca-0000	KAIMA-FULAIKA
Kayma. - Good luck. -0000	KAIMA-HAOYUNLAI
Kaima-junteng -0000-KMC3046ZLB33D4	KAIMA-JUNTENG-0000-KMC3046ZLB33D4
Kaima-0000-KMC-0000	KAIMA-KAIMA
Kaima - Kaima -0000-2	KAIMA-KAIMA-0000-2
Kaivo -D11-20152017	KAIWO-D11-20152017
Renault -PREMIUM-0000	LEINUO-PREMIUM
United Trucks -EXI-0000	LIANHEKACHE-EXI
United Truck -UXI-0000-QIANYINCHE-ZAIHUOHCE	LIANHEKACHE-UXI-0000-QIANYINCHE-ZAIHUOHCE
Joint Truck -UXI-0000-ZIXIECHE-JIAOBANCHE-LAJICHE	LIANHEKACHE-UXI-0000-ZIXIECHE-JIAOBANCHE-LAJICHE

Type of vehicle	Car model code
United Truck -VXI-0000	LIANHEKACHE-VXI
Lifan -LFJ3046G2-0000	LIFAN-LFJ3046G2
Lifan - Shi Jun-0000-Sikate	LIFAN-OUSHIZHANMAA6-0000
Mann-Tco-0000	MAN-TCO-0000
Man - New TGM-0000	MAN-XINTGM-0000
Peony Bus -- MD6602AFD23-0000	MUDANKECHE-MD6602AFD23-0000
South Locomotive Times -TEG6129NG52-0000	NANCHESHIDAI-TEG6129NG52
Nanjing IVECO - Yuejin -0000-NJ1080DCMW	NANJINGYIWEIKE-YUEJIN-0000-NJ1080DCMW
Nanjing IVeco - Yuejin -0000-NJ5042XXYZFDCWZ	NANJINGYIWEIKE-YUEJIN-0000-NJ5042XXYZFDCWZ
Nanjing Iveco - Yuejin -0000-NJ5162XYKZQDDWZ	NANJINGYIWEIKE-YUEJIN-0000-NJ5162XYKZQDDWZ
Nanjing IVeco - Yuejin -2005	NANJINGYIWEIKE-YUEJIN-2005
Nanjing Iveco - Yuejin -2009	NANJINGYIWEIKE-YUEJIN-2009
Nanjing Iveco - Yuejin Shuaihu H500-2010	NANJINGYIWEIKE-YUEJINSHAUIHUH500-0000
Nanjing IVECO - Yuejin Shuaihu H100-2010	NANJINGYIWEIKE-YUEJINSHUAIHUH100-2010
Nanjing IVeco - Yuejin XiaoFuxing -0000	NANJINGYIWEIKE-YUEJINXIAOFUXING-0000
Nanjing IVECO - Yuejin Little Tiger -2011	NANJINGYIWEIKE-YUEJINXIAOHU-2011
Nanjun -- CNJ1030ZP33M-0000	NANJUN-CNJ1030ZP33M
Nan Jun-CNJ3140GPA34M-0000	NANJUN-CNJ3140GPA34M
Nanjun-CNJ4250KPB45B-0000	NANJUN-CNJ4250KPB45B
Nan Jun-njp3310ZHP61B-0000	NANJUN-NJP3310ZHP61B-0000
Nanjun-Ruikang-0000	NANJUN-RUIKANG
Nan Jun-Xiangkang -0000-NJA3040FPB34V	NANJUN-XIANGKANG-0000-NJA3040FPB34V
Non-motor vehicles -0000-0000	NONMOTORVEHICLE
Youth bus -JNP6120L-0000	QINGNIANKECHE-JNP6120L
Youth Coach -JNP6122D-0000	QINGNIANKECHE-JNP6122D
Youth Coach -JNP6125-0000	QINGNIANKECHE-JNP6125
Qingniankeche-JNP6127F-0000	QINGNIANKECHE-JNP6127F
Qingniankeche-JNP6127VJ1-0000	QINGNIANKECHE-JNP6127VJ1
Qingniankeche-JNP6128WK-0000	QINGNIANKECHE-JNP6128WK
Qingniankeche-JNP6121FM-0000	QINGNINAKECHE-JNP6121FM

Type of vehicle	Car model code
Sanhuan Shitong - Haolong -2009	SANHUANSHITONG-HAOLONG-2009
Three ring ten Tong - Haolong -0000-STQ4181L02Y4N4	SANHUANSHITONG-HAOLONG-0000-STQ4181L02Y4N4
Sanhuanshitong - Yulong -0000	SANHUANSHITONG-YULONG-0000
MITSUBISHI-0000	SANLING-MITSUBISHI
Sany Heavy Industries -C6-0000-SY310	SANYIZHONGGONG-C6-0000-SY310
Sany Heavy Industry -- LNG-0000	SANYIZHONGGONG-LNG
Sany Heavy -SY5250GJB4-0000	SANYIZHONGGONG-SY5250GJB4
Shanghai Huizhong - Fengchi -0000	SHANGHAIHUIZHONG-FENGCHI-0000
Saic Maxus -V80-20122014	SHANGQIDATONG-V80-20122014
Saic Maxus -V80-2014	SHANGQIDATONG-V80-2014
Shangqidatong-V80-2014-2	SHANGQIDATONG-V80-2014-2
Shangqidatong-V80-2017	SHANGQIDATONG-V80-2017
Shangqidatong -- Istana -- 2013	SHANGQIDATONG-YISITANNA-2013
Shangqidatong -- Jeca -- 0000	SHANGQIHONGYAN-JIEKA-0000
Shangqihongyan-jingang -0000	SHANGQIHONGYAN-JINGANG-0000
Saic Hongyan-Jingang-0000-CQ3254SMG384	SHANGQIHONGYAN-JINGANG-0000-CQ3254SMG384
Saic Hongyan-Jingang M500-0000	SHANGQIHONGYAN-JINGANGM500-0000
Saic Hongyan - Teba -0000	SHANGQIHONGYAN-TEBA-0000
Saic Hongyan - New Dakang -0000-CQ4254HTVG324	SHANGQIHONGYAN-XINDAKANG-0000-CQ4254HTVG324
Saic Yuejin - Leap-0000 (NJ1042ZFDCWZ5)	SHANGQIYUEJIN-CHAOYUE-0000-NJ1042ZFDCWZ5
Saic Yuejin-Shuaihu-0000 (NJ1040DCFT5)	SHANGQIYUEJIN-SHUAIHU-0000-NJ1040DCFT5
Shangrao School bus -0000	SHANGRAOXIAOCHE-0000
Shaanxi Automobile -- Aolong -- 2007	SHANQI-AOLONG-2007
Shaanxi Qi-Delong F2000-0000-1	SHANQI-DELONGF2000-1
Shanqi-DelongF2000-0000-2	SHANQI-DELONGF2000-2
Shaanxi Automobile - Delong F3000-0000	SHANQI-DELONGF3000
Shaanxi Automobile - DelongF3000-2011	SHANQI-DELONGF3000-2011
Shaanxi Automobile Delong L3000-0000	SHANQI-DELONGL3000
Shanqi-DelongL3000	SHANQI-DELONGM3000

Type of vehicle	Car model code
Shanqi-DelongM3000-0000	SHANQI-DELONGM3000-0000
Shanqi-DelongM3000-0000	SHANQI-DELONGX3000
Shaanxi Automobile - DelongX3000-0000-SX4250xC4-0000	SHANQI-DELONGX3000-SX4250XC4-0000
Shaanxi Auto - Huarui 3-0000	SHANQI-HUARUI3-0000
Shaanxi Automobile - Huashan -0000	SHANQI-HUASHAN-0000
Shanqi-Huashan-0000-Huakang	SHANQI-HUASHAN-0000-HUAKANG
Shanqi-M6-0000	SHANQI-M6-0000
Shanqi-Xuande-0000-6	SHANQI-XUANDE6-0000
Shaanxi Qi - Xuande-0000-X6	SHANQI-XUANDEX6-0000
Shaolin Bus -SLG6720C4E	SHAOLINKECHE-SLG6720C4E
Shenlong Bus -SLK6118-0000	SHENLONGKECHE-SLK6118
Shenlongkeche-SLK6120L5BN5-0000	SHENLONGKECHE-SLK6120L5BN5
Shenlong Bus -SLK6802-0000	SHENLONGKECHE-SLK6802
Shenlongkeche-SLK6859UQFCEVH-0000	SHENLONGKECHE-SLK6859UQFCEVH
Shenlongkeche-SLK6900F53-0000	SHENLONGKECHE-SLK6900F53
Shenlongkeche-SWB6110-0000	SHENWOKECHE-SWB6110
Shenwokeche-SWB68-0000	SHENWOKECHE-SWB68
Shifeng - Fengchi -0000	SHIFENG-FENGCHI
Shifeng - Xinfengchi -0000	SHIFENG-XINFENGCHI
Shijun - Skat -0000	SHIJUN-SIKATE-0000
Shijun-sikat-0000 (LFJ3055G4)	SHIJUN-SIKATE-0000(LFJ3055G4)
Ten Tong -STQ1039L2Y13-0000	SHITONG-STQ1039L2Y13
Shitong -STQ3160L7Y7S-0000	SHITONG-STQ3160L7Y7S
Scania -G440-0000	SIKANNIYA-G440-0000
Scania -LA4X2MNB-0000	SIKANNIYA-LA4X2MNB
Scania -P380-0000	SIKANNIYA-P380
Tang Jun - Jinlika -0000	TANGJUN-JINLIKA
Tang Jun - Ou Ling -0000	TANGJUN-OULING
Tang Jun-Ouling -0000-2	TANGJUN-OULING-0000-2

Type of vehicle	Car model code
Tang Jun-Ouling-0000-ZB5815P3t	TANGJUN-OULING-0000-ZB5815P3T
Tang Jun-Ouling-0000-ZB1040TDD6f	TANGJUN-OULING-0000-ZB1040TDD6F
Concentric Bus-TX6660G3-0000	TONGXINKECHE-TX6660G3
Volvo-FE-0000	WOERWO-FE
Volvo-FH-0000	WOERWO-FH
Volvo-FM-0000	WOERWO-FM
Volvo -FM12-0000	WOERWO-FM12-0000
Volvo - New FH-0000-FH50062TB	WOERWO-XINFH-0000-FH50062TB
Volvo - New FM-0000	WOERWO-XINGFM-0000
Wuling school bus -ZK9A343503F-0000	WULINGXIAOCHE-ZK9A343503F-0000
Isuzu -700P-0000-QL5100XXYA8PA	WUSHILING-700P-QL5100XXYA8PA
Isuzu -C-2010	WUSHILING-C-2010
Isuzu-CyZ-0000	WUSHILING-CYZ
Isuzu -FTR-0000-QL5160XXY9RFR	WUSHILING-FTR-0000-QL5160XXY9RFR
Isuzu -FVR23-0000	WUSHILING-FVR23
Isuzu -GLK6942H4-0000	WUSHILING-GLK6942H4
Isuzu -NPR66L-0000(Isuzu -NHR55ELDWCJ-0000)	WUSHILING-NPR66L(WUSHILING-NHR55ELDWCJ)
Isuzu -VC46-0000 (QL4180UJCR)	WUSHILING-VC46-0000(QL4180UJCR)
Five Signs - Altridge 1700-2011-FD1041D12K	WUZHENG-AOCHI1700-2011-FD1041D12K
Wuzheng-AOCHI2000-0000-FD1070P8K	WUZHENG-AOCHI2000-0000-FD1070P8K
Five Signs -WL4015PD7-0000	WUZHENG-WL4015PD7-0000
Hyundai - Chuanghu -2014	XIANDAI-CHUANGHU-2014
Hyundai - Rui Feng -2011	XIANDAI-RUIFENG-2011
Hyundai Bus -0000	XIANDAIKECHE-0000
New Earth -RX3161ZA-0000	XINDADI-RX3161ZA-0000
Sivo Bus -XW6110A-000	XIWOKECHE-XW6110A-0000
Xugong -QY16B-0000	XUGONG-QY16B-0000
Xugong -QY50K-0000	XUGONG-QY50K-0000
Xugong heavy truck - Hanfeng G7-0000-NXG5310CCYW5	XUGONGZHONGKA-HANFENGG7-0000-NXG5310CCYW5
Xugong heavy truck - Qilong -0000-NXG4180D4KA	XUGONGZHONGKA-QILONG-0000-NXG4180D4KA

Type of vehicle	Car model code
Xugong heavy truck - Qilong-0000-NXG4251N5KC	XUGONGZHONGKA-QILONG-0000-NXG4251N5KC
Xugong Heavy Truck - Ruilong Z-0000	XUGONGZHONGKA-RUILONGZ-0000
Yaxing-JS6811-0000	YAXING-JS6811
Yaxing -- YBL6101H-0000	YAXING-YBL6101H
Yaxing -YBL6123H1J-0001	YAXING-YBL6123H1J
Faw-qingdao Jiefang -- 0000-JUNWEIJ5K	YIQI-QINGDAOJIEFANG-0000-JUNWEIJ5K
Faw-qingdao Jiefang-0000-Longv	YIQI-QINGDAOJIEFANG-0000-LONGV
Faw-qingdao Jiefang-0000-SAIHU3 (FAW-Xiao Jiefang)	YIQI-QINGDAOJIEFANG-0000-SAIHU3(YIQI-XIAOJIEFANG)
Faw-qingdao Jiefang-0000-SaiHU3-2 (FAW-Xiao Jiefang-0000-2)	YIQI-QINGDAOJIEFANG-0000-SAIHU3-2(YIQI-XIAOJIEFANG-0000-2)
Faw-qingdao Jiefang-0000-TAINV	YIQI-QINGDAOJIEFANG-0000-TAINV
Faw-qingdao Jiefang-0000-Xindawei	YIQI-QINGDAOJIEFANG-0000-XINDAWEI
Faw-qingdao Jiefang -2009-XINDAWEI	YIQI-QINGDAOJIEFANG-2009-XINDAWEI
Faw-qingdao Jiefang -- 2010 -- XINDAWEI	YIQI-QINGDAOJIEFANG-2010-XINDAWEI
Faw-qingdao Jiefang -2011-HANWEI-J5M	YIQI-QINGDAOJIEFANG-2011-HANWEI-J5M
Faw Hongta - Jiefang Buling-0000	YIQIHONGTA-JIEFANGBALING-0000
Faw Hongta -- Jiefangbaling 3-0000	YIQIHONGTA-JIEFANGBALING3-0000
Faw Hongta -- Jiefang Jinling -- 0000	YIQIHONGTA-JIEFANGJINLING-0000
Faw Jiefang-Aowei J5P-0000-CA4252P21K2T1E	YIQIJIEFANG-AOWEIJ5P-0000-CA4252P21K2T1E
Faw Jiefang-Aowei J5P-2009	YIQIJIEFANG-AOWEIJ5P-2009
Faw Jiefang -CA5022PK26RXXB-0000	YIQIJIEFANG-CA5022PK26RXXB-0000
Faw Jiefang -CA5120XXYPK2L5-2005-3	YIQIJIEFANG-CA5120XXYPK2L5-2005-3
Faw Jiefang -CA5120XXYPK2L5-2005-4	YIQIJIEFANG-CA5120XXYPK2L5-2005-4
Faw Jiefang -CA5145XP11X2L11I3-0000	YIQIJIEFANG-CA5145XP11X2L11I3-0000
Faw Jiefang - Hanwei -0000	YIQIJIEFANG-HANWEI-0000
Faw Jiefang-Hu V-0000	YIQIJIEFANG-HUV-0000
Faw Jiefang-Hu VH-0000-CA5081CCYP40K2L1E5A84-1	YIQIJIEFANG-HUVH-0000-CA5081CCYP40K2L1E5A84-1
Faw Jiefang -J4-0000	YIQIJIEFANG-J4-0000
Faw Jiefang -J4R-0000	YIQIJIEFANG-J4R-0000
Faw Jiefang -J6-2011	YIQIJIEFANG-J6-2011

Type of vehicle	Car model code
Faw Jiefang -J6-2012	YIQIJIEFANG-J6-2012
Faw Jiefang -J6F-2007	YIQIJIEFANG-J6F-2007
Faw Jiefang -J6P-2007-CA1250P63K1L6T3A1E5	YIQIJIEFANG-J6P-2007-CA1250P63K1L6T3A1E5
Faw Jiefang -J7-0000	YIQIJIEFANG-J7-0000
Faw Jiefang - Regal -0000	YIQIJIEFANG-JUNWEI-0000
Faw Jiefang - Junwei J5K-2006-CA1123P9K2L4AE	YIQIJIEFANG-JUNWEIJ5K-2006-CA1123P9K2L4AE
Faw Jiefang-Sielong 3-0000	YIQIJIEFANG-SAILONG3-2010
Faw Jiefang-SailQilin-0000-CA1128PK2L2EA80	YIQIJIEFANG-SAIQILIN-0000-CA1128PK2L2EA80
Faw Passenger-Jiefang-0000-XQ6669TQ2	YIQIKECHE-JIEFANG-0000-XQ6669TQ2
Faw Luit-Anjel L5R-0000-CA4252N2E5R5T3A90	YIQILIUTE-ANJIEL5R-0000-CA4252N2E5R5T3A90
Faw Liute-Jinlu-0000-CA4141P3K2E4A95	YIQILIUTE-JINLU-0000-CA4141P3K2E4A95
Faw Lute-LZT3165K2A91-0000	YIQILIUTE-LZT3165K2A91
Faw Lute-LZT3259K2E3T3A95-0000	YIQILIUTE-LZT3259K2E3T3A95-0000
Faw Liute-L5K-0000	YIQILIUTE-YUNCAIWANGL5K-0000
A trailload truck -LT5160CCYBBC0-0000	YITUOZHONGKA-LT5160CCYBBC0-0000
Iveco -- Baodi -- 2013	YIWEIKE-BAODI-2013
Iveco - Smug -2009	YIWEIKE-DEYI-2009
Iveco - Deyi -2012	YIWEIKE-DEYI-2012
Iveco - Torino -2004	YIWEIKE-DULING-2004
Iveco - Torino -2009	YIWEIKE-DULING-2009
Iveco -JH8810-2007	YIWEIKE-JH8810-2007
Iveco -TURBODAILY-2011	YIWEIKE-TURBODAILY-2011
Yutong Bus -- ZK6100HU-0000	YUTONGKECHE-ZK6100HU
Yutong Bus -ZK6105CHEVNG1-0000	YUTONGKECHE-ZK6105CHEVNG1
Yutong Bus -ZK6105HNG2-0000	YUTONGKECHE-ZK6105HNG2
Yutong Bus -ZK6110HA-0000	YUTONGKECHE-ZK6110HA
Yutong Bus -ZK6110HA1A-0000	YUTONGKECHE-ZK6110HA1A
Yutong Bus -ZK6110HQ-0000	YUTONGKECHE-ZK6110HQ
Yutong Bus -ZK6116HA-0000	YUTONGKECHE-ZK6116HA
Yutong Bus -ZK6117HQ2Y-0000	YUTONGKECHE-ZK6117HQ2Y

Type of vehicle	Car model code
Yutong Bus -ZK6118H-0000	YUTONGKECHE-ZK6118H
Yutong Bus -ZK6122HQBA-0000	YUTONGKECHE-ZK6122HQBA
Yutong Bus -ZK6126HGC-0000	YUTONGKECHE-ZK6126HGC
Yutongkeche-zk6127hs-0000 - Modeling One	YUTONGKECHE-ZK6127HS-0000-ZAOXINGYI
Yutong Bus -ZK6139HGA-0000	YUTONGKECHE-ZK6139HGA
Yutong Bus -ZK6139HW-0000	YUTONGKECHE-ZK6139HW
Yutong Bus -ZK6146HQ-0000	YUTONGKECHE-ZK6146HQ
Yutong Bus -ZK6608D-0000	YUTONGKECHE-ZK6608D
Yutong Bus -ZK6729D-0000	YUTONGKECHE-ZK6729D
Yutong Bus -ZK6729DT-0000	YUTONGKECHE-ZK6729DT
Yutong Bus -ZK6731DG-0000	YUTONGKECHE-ZK6731DG
Yutong Bus -ZK6741HNG2-0000	YUTONGKECHE-ZK6741HNG2
Yutong Bus -ZK6752D-0000	YUTONGKECHE-ZK6752D-0000
Yutong Bus -ZK6792D51-0000	YUTONGKECHE-ZK6792D51
Yutong Bus -ZK6876H-0000	YUTONGKECHE-ZK6876H
Yutong Bus -ZK6880HX2-0000	YUTONGKECHE-ZK6880HX2
Yutong Bus -ZK6908H-0000	YUTONGKECHE-ZK6908H
Yutong Bus -ZK6909H-0000	YUTONGKECHE-ZK6909H
Yutong school bus -ZK6809DX-0000	YUTONGXIAOCHE-ZK6809DX
Yutong school bus -ZK series -0000	YUTONGXIAOCHE-ZKXILIE-0000
CRRC Times -TEG6820BEV-0000	ZHONGCHESHIDAI-TEG6820BEV-0000
Sinotruk - Hohan-0000-ZZ4185M3516D1	ZHONGGUOZHONGQI-HAOHAN-0000-ZZ4185M3516D1
Sinotruk - Hohan J5G-0000-ZZ5185XXYN6813E1	ZHONGGUOZHONGQI-HAOHANJ5G-0000-ZZ5185XXYN6813E1
Sinotruk - Haohan J7B-0000-ZZ3315M3866D1	ZHONGGUOZHONGQI-HAOHANJ7B-0000-ZZ3315M3866D1
Sinotruk - HOWo -2009	ZHONGGUOZHONGQI-HAOWO-2009
Sinotruk - Haowo -2011	ZHONGGUOZHONGQI-HAOWO-2011
Sinotruk-howo A7-0000	ZHONGGUOZHONGQI-HAOWOA7
Sinotruk-howo A7-0000-ZZ4257V3247N1B	ZHONGGUOZHONGQI-HAOWOA7-0000-ZZ4257V3247N1B
Sinotruk-howo T6G-0000-ZZ4257N324WE1	ZHONGGUOZHONGQI-HAOWOT6G-0000-ZZ4257N324WE1
Sinotruk-howo T6H-0000-ZZ1317N466GD1	ZHONGGUOZHONGQI-HAOWOT6H-0000-ZZ1317N466GD1

Type of vehicle	Car model code
Sinotruk - Howo T7H-0000-ZZ4257V324HE1B	ZHONGGUOZHONGQI-HAOWOT7H-0000-ZZ4257V324HE1B
Sinotruk - Haowo Commander -0000-ZZ3167G421CE1	ZHONGGUOZHONGQI-HAOWOTONGSHUAI-0000-ZZ3167G421CE1
Sinotruk -- Haoyun-0000	ZHONGGUOZHONGQI-HAOYUN
Sinotruk -HOKA-0000-ZZ3257N3847C1	ZHONGGUOZHONGQI-HOKA-0000-ZZ3257N3847C1
Sinotruk - Huanghe-0000 (JK6108HD)	ZHONGGUOZHONGQI-HUANGHE-0000(JK6108HD)
Sinotruk - Huanghe Shaoshuai -0000-ZZ5121G5615W	ZHONGGUOZHONGQI-HUANGHESHAOSHUAI-0000-ZZ5121G5615W
China National TruK - Jin Prince -0000	ZHONGGUOZHONGQI-JINWANGZI
Sinotruk - Steyr -0000	ZHONGGUOZHONGQI-SITAIER
Sinotruk - Steyr KDM5G-0000-ZZ4253N27CGE1B	ZHONGGUOZHONGQI-SITAIERKDM5G-0000-ZZ4253N27CGE1B
Sinotruk-steyr M5G-0000-ZZ1313N466GD1	ZHONGGUOZHONGQI-SITAIERM5G-0000-ZZ1313N466GD1
Sinotruk-steyr M5G-0000-ZZ3311N386GD1	ZHONGGUOZHONGQI-SITAIERM5G-0000-ZZ3311N386GD1
Sinotruk - King Steyr -2007	ZHONGGUOZHONGQI-SITAIERWANG-2007
Sinotruk - Shantou Deka C5H-0000	ZHONGGUOZHONGQI-SITRAKC5H-0000
Sinotruk - Shandeka C7H-0000-ZZ4256V324HE1B	ZHONGGUOZHONGQI-SITRAKC7H-0000-ZZ4256V324HE1B
Sinotruk - Shantou Deka C7H-0000-ZZ4256V324HE1W	ZHONGGUOZHONGQI-SITRAKC7H-0000-ZZ4256V324HE1W
Sinotruk -ZZ1047D3414C145-0000	ZHONGGUOZHONGQI-ZZ1047D3414C145
Sinotruk -ZZ4257S3247CZ-0000	ZHONGGUOZHONGQI-ZZ4257S3247CZ
Zoomlion -QY12D431-0000	ZHONGLIANZHONGKE-QY12D431
Zoomlion -- QY20VF531-0000	ZHONGLIANZHONGKE-QY20VF531
Sinotruk Hauman H5-0000(ZZ4188K10EB0)	ZHONGQIHAOMAN-H5-ZZ4188K10EB0-0000
Sinotruk Haoman-ZZ1318M60DB0-0000	ZHONGQIHAOMAN-ZZ1318M60DB0-0000
Zhongqihaoman-ZZ3048G17EB0-0000	ZHONGQIHAOMAN-ZZ3048G17EB0-0000
Zhongqihaoman-ZZ4188K10EB0-0000	ZHONGQIHAOMAN-ZZ4188K10EB0-0000
Truk Ace -7 Series -0000	ZHONGQIWANGPAI-7XI
Truk ace card -CDW3060A1C3-0000	ZHONGQIWANGPAI-CDW3060A1C3
Zhongqiwangpai -- CDW3080A3-0000	ZHONGQIWANGPAI-CDW3080A3-0000
Zhongqiwangpai -- CDW3160A3E3-0000	ZHONGQIWANGPAI-CDW3160A3E3-0000
Zhongqiwangpai -- CDW3220A1R5-0000	ZHONGQIWANGPAI-CDW3220A1R5-0000
Zhongqiwang-CDW5080xxYA1C3-0000	ZHONGQIWANGPAI-CDW5080XXYA1C3
Sinotruk ace -WANGPAIW5B-0000	ZHONGQIWANGPAI-WANGPAIW5B-0000

Type of vehicle	Car model code
Sinotruk Ace -WANGPAIW5G-0000	ZHONGQIWANGPAI-WANGPAIW5G-0000
Zhongqiwang-triumph -0000	ZHONGTONG-KAIXUAN
Zto -LCK6770D3GH-0000	ZHONGTONG-LCK6770D3GH
Zhongtong-LCK6899HA-0000	ZHONGTONG-LCK6899HA
Zhongtong - Linghang -0000(LCK6129H)	ZHONGTONG-LINGHANG-0000-LCK6129H
Zhongtong - Lingyu -0000-LCK6120HTD	ZHONGTONG-LINGYVLCK6120HTD-0000
Zhongtong - Century -0000-LCK6120HQD1	ZHONGTONG-SHIJI-0000-LCK6120HQD1
Zhongtong-sega -0000-LCK6128HQD1	ZHONGTONG-SHIJIA-0000-LCK6128HQD1
Zhongtong-shixuan -0000-LCK6118HQ1	ZHONGTONG-SHIXUAN-0000-LCK6118HQ1

7.1.5 Blue Brand Electric Police Car Model

Type of car	Model code
Alfa Romeo-GiuliA-2017	AERFALUOMIOU-GIULIA-2017
Alfa Romeo -Stelio-2017	AERFALUOMIOU-STELIO-2017
Audi -A1-20132014	AODI-A1-20132014
Audi -A3-2012- Imported	AODI-A3-2012-JINKOU
Audi -A3-2014~2016	AODI-A3-2014~2016-SPORTBACK
Audi -A3-2015	AODI-A3-2015
Audi -A3-2015- Convertible import	AODI-A3-2015-CHANGPENGJINKOU
Audi -A3-2017	AODI-A3-2017
Audi -A4-2004	AODI-A4-2004
Audi -A4-20062008	AODI-A4-20062008
Audi -A4-2007	AODI-A4-2007
Audi -A4L-201320152016	AODI-A4L-201320152016
Audi -A4L-2017	AODI-A4L-2017
Audi -A5-20082010	AODI-A5-20082010
Audi -A5-2012~2016	AODI-A5-2012~2016-CABRIOLET
Audi -A6-2004	AODI-A6-2004
Audi -A6L-200520062008	AODI-A6L-200520062008
Audi -A6L-2009~2011	AODI-A6L-2009~2011

Type of car	Model code
Audi -A6L-2012~2016	AODI-A6L-2012~2016
Audi -A6L-20162017	AODI-A6L-20162017
Audi -A7-2012~2014	AODI-A7-2012~2014
Audi -A7-2017	AODI-A7-2017
Audi -A8-2008~2010	AODI-A8-2008~2010
Audi -A8L-20112012	AODI-A8L-20112012
Audi -A8L-201420162017	AODI-A8L-201420162017
Audi -Q3-20132015	AODI-Q3-20132015
Audi -Q3-20162017	AODI-Q3-20162017
Audi -Q5-20102012	AODI-Q5-20102012
Audi -Q5-20132015	AODI-Q5-20132015
Audi -Q7-2006~2015	AODI-Q7-2006~2015
Audi -Q7-2016	AODI-Q7-2016
Audi -S3-20152017	AODI-S3-20152017
Audi -S4-2008	AODI-S4-2008
Audi -S4-2013	AODI-S4-2013
Audi -S5-20122015	AODI-S5-20122015
Audi -SQ5-2017	AODI-SQ5-2017
Audy-tt-2008 ~2012	AODI-TT-2008~2012
Audis -TT-2013~2015	AODI-TT-2013~2015
Aston Martin -rapide-2010	ASIDUNMADING-RAPIDE-2010
Bao Jun -310-2016	BAOJUN-310-2016
Baojun-510-2017	BAOJUN-510-2017
Bao Jun-560-20152016	BAOJUN-560-20152016
Bao Jun-610-2014	BAOJUN-610-2014
Baojun-630-2011 ~214	BAOJUN-630-2011~2014
Baojun-730-20142015	BAOJUN-730-20142015
Baojun-730-2016	BAOJUN-730-2016
Baojun-lechi -- 20102012	BAOJUN-LECHI-20102012
BMW-116I-20122013	BAOMA-116I-20122013(BAOMA-120D-2012)

Type of car	Model code
Baoma-118I-20152016	BAOMA-118I-20152016(BAOMA-120I-2015)
BaOMa-120I-200720082010	BAOMA-120I-200720082010(BAOMA-130I-2008)
BaOMa-120I-2011	BAOMA-120I-2011
Baoma-125i-2012	BAOMA-125I-2012
Baoma-220i-2016	BAOMA-220I-2016
Baoma-228I-20142015	BAOMA-228I-20142015
Baoma-320I-200520072008	BAOMA-320I-200520072008(BAOMA-320I-2006-JINKOU)
Baoma-320i-2009 ~2012	BAOMA-320I-2009~2012(BAOMA-318I-20102011)
BMW -320i-2017	BAOMA-320I-2017
BMW -320LI-20132014	BAOMA-320LI-20132014
Baoma-328i-20132014 - Imported	BAOMA-328I-20132014-JINKOU(BAOMA-328LI-2013~2015)
Baoma-328i-2015 - Sports	BAOMA-328I-2015-YUNDONG(BAOMA-330LI-2017)
Baoma-330I-2005-2008	BAOMA-330i-2005~2008
Baoma-330i-2011 - Imported	BAOMA-330I-2011-JINKOU
Baoma-330i-213	BAOMA-330I-2013
Baoma-3 Series GT-2013~2017	BAOMA-3XIGT-2013~2017
BMW -4 Series -20132014	BAOMA-4XI-20132014
Baoma-4 Series -20142016	BAOMA-4XI-20142016
Baoma-4 Series -2015~2018	BAOMA-4XI-2015~2018
BaOMa-525I-2004	BAOMA-525I-2004
Baoma-530li -2008~2010	BAOMA-530LI-2008$_{2010(BAOMA-525LI-20052009}$2010)
Baoma-535I-2014	BAOMA-535I-2014
Baoma-535li -2011~2013	BAOMA-535LI-2011~2013
BMW -5 Series -1995	BAOMA-5XI-1995
Baoma-5 Series -2014~2017	BAOMA-5XI-2014$_{2017(BAOMA-525LI-2014}$2017)
Bmw-5 Series GT-2011~2017	BAOMA-5XIGT-2011~2017
Baoma-5 Series M-2018	BAOMA-5XIM-2018
BMW -6 Series -20132015	BAOMA-6XI-20132015
BMW -7 Series -2004	BAOMA-7XI-2004
Baoma-7 Series -200520072008	BAOMA-7XI-200520072008

Type of car	Model code
BMW -7 Series -2009~2014	BAOMA-7XI-2009~2014
BMW -7 Series -201620172018	BAOMA-7XI-201620172018
BMW -M140I-2017	BAOMA-M140I-2017
Bmw-m2-2016 ~2018	BAOMA-M2-2016~2018
BMW -M3-2009~2013	BAOMA-M3-2009~2013
BMW -M3-2014~2017	BAOMA-M3-2014~2017
Baoma-m4-2014 ~2017	BAOMA-M4-2014~2017
BMW -M5-2011~2016	BAOMA-M5-2011~2016
BMW -M6-2015	BAOMA-M6-2015
BMW -X1-2010~2015	BAOMA-X1-2010~2015
BMW -X1-20162018	BAOMA-X1-20162018
BMW -X3-2008	BAOMA-X3-2008
BMW -X3-2011201220142016	BAOMA-X3-2011201220142016
BaOMA-X4-2014	BAOMA-X4-2014
BaOMa-X5-20042006	BAOMA-X5-20042006
Bmw-x5-2008 ~2013	BAOMA-X5-2008~2013
BaOMA-X5-2010-M	BAOMA-X5-2010-M
BaOMa-X5-2014	BAOMA-X5-2014
BaOMa-X5-2016	BAOMA-X5-2016
BMW -X5M-2015	BAOMA-X5M-2015
BMW -X6-20082009	BAOMA-X6-20082009
BaomA-X6-201-M	BAOMA-X6-2010-M
BaOMA-X6-2013	BAOMA-X6-2013
BMW -X6-2014	BAOMA-X6-2014
Baoma-z4-2009 ~2012	BAOMA-Z4-2009~2012
Bao Qi-Jin Qi-2015	BAOQI-JINQI-2015
Porsche-Boxster-2016	BAOSHIJIE-BOXSTER-2006
Porsche -Boxster-2009~2016	BAOSHIJIE-BOXSTER-2009~2011
Porsche-cayman -- 2013~2016	BAOSHIJIE-CAYMAN-2013~2016 (BAOSHIJIE-BOXSTER-2013)
Porsche - Cayenne -20062008	BAOSHIJIE-KAYAN-20062008-TURBO

Type of car	Model code
Porsche - Cayenne -20072008	BAOSHIJIE-KAYAN-20072008
Porsche - Cayenne -2010~2014	BAOSHIJIE-KAYAN-2010~2014
Porsche - Cayenne -2013~2016	BAOSHIJIE-KAYAN-2013~2016
Porsche-macans-2014 ~2017	BAOSHIJIE-MACANS-2014~2017
Porsche-panamera -2010	BAOSHIJIE-PANAMERA-2010-TURBO
Porsche -Panamera-20132015	BAOSHIJIE-PANAMERA-20132015
Porsche -Panamera-20142016	BAOSHIJIE-PANAMERA-20142016
Beijing -- BJ20-2016	BEIJING-BJ20-2016
Beijing -- BJ40-20142016	BEIJING-BJ40-20142016
Beijing -- BJ80-2016	BEIJING-BJ80-2016
Beijing Auto - Saab D20-2015	BEIJINGQICHE-SHENBAOD20-2015
Beijing Auto - Saab D50-2014	BEIJINGQICHE-SHENBAOD50-2014
Beijing Auto -- Shenbaod50-2013	BEIJINGQICHE-SHENBAOD70-2013
Beijing Automotive -- Saab X25-20152017	BEIJINGQICHE-SHENBAOX25-20152017
Beijing Auto - Saab X55-2016	BEIJINGQICHE-SHENBAOX55-2016
Beijing Auto - Saab X65-2015	BEIJINGQICHE-SHENBAOX65-2015
Baic Magic Velocity -H2V-2016	BEIQIHUANSU-H2V-2016
Beiqihuans-H3-2015	BEIQIHUANSU-H3-2015
Beiqihuansu -S2-2014	BEIQIHUANSU-S2-2014
Beiqihuans-s3-2014 ~2016	BEIQIHUANSU-S3-2014~2016
Beiqihuansu -S6-20162017	BEIQIHUANSU-S6-20162017
Beiqihuansu-205-2013	BEIQIWEIWANG-205-2013
Beiqiweiwang-306-2011 ~2014	BEIQIWEIWANG-306-2011~2014
BeiqiWeiwang-M20-2014	BEIQIWEIWANG-M20-2014
Beiqiweiwang -- M30-2015	BEIQIWEIWANG-M30-2015
BeiqiWeiwang-S50-2016	BEIQIWEIWANG-S50-2016
Baic New Energy -- EC-2017	BEIQIXINNENGYUAN-EC-2017
Beiqixinneng-EV-20132014	BEIQIXINNENGYUAN-EV-20132014(BEIJINGQICHE-EXILIE-2013)
Benz -A160-20042011	BENCHI-A160-20042011(BENCHI-A180-20112013)
Benz -A200-2015	BENCHI-A200-2015

Type of car	Model code
Benz -A250-2016	BENCHI-A250-2016(BENCHI-A200-2016-YUNDONG)
Benz -AMGS65L-2014	BENCHI-AMGS65L-2014
Benz -B180-2012	BENCHI-B180-2012
Benz -B200-2009	BENCHI-B200-2009
Benz -B200-20152017	BENCHI-B200-20152017(BENCHI-B180-2016)
Benz -C180-2013	BENCHI-C180-2013
Benz -C200-20112013	BENCHI-C200-20112013
Benz -C200-201520162017	BENCHI-C200-201520162017
Benz -C200K-2008	BENCHI-C200K-2008
Benz -C200L-2017	BENCHI-C200L-2017 (BENCHI-C260L-2015)
Benz -C260-2010	BENCHI-C260-2010
Benz -C260CGI-20112013	BENCHI-C260CGI-20112013
Benz -C300-2010	BENCHI-C300-2010(BENCHI-C280-2008)
Benz -C300-2011	BENCHI-C300-2011
Benz -C300-2013	BENCHI-C300-2013
Benz -C300L-2015- Sports	BENCHI-C300L-2015-YUNDONG(BENCHI-C180L-2015-YUNDONG)
Benz -C63-2014	BENCHI-C63-2014
Benz -CLA200-2017	BENCHI-CLA200-2017
Benz - CLA-220-2015	BENCHI-CLA220-2015
Benz -CLA220-20152016	BENCHI-CLA220-20152016
Benz -CLK300-2006	BENCHI-CLK300-2006
Benz -CLS260-20152017	BENCHI-CLS260-20152017
Benz -CLS300-20122013	BENCHI-CLS300-20122013
Benz -E180-2015	BENCHI-E180-2015
Benz -E200-2016	BENCHI-E200-2016
Benz -E200CGICOUPE-2012	BENCHI-E200CGICOUPE-2012(BENCHI-E260CGICOUPE-2012)
Benz -E260-2010	BENCHI-E260-2010
Benz -E260-2013	BENCHI-E260-2013
Benz -E260L-2014	BENCHI-E260L-2014
Benz -E260L-2014- Sports	BENCHI-E260L-2014-YUNDONG(BENCHI-E300L-2014-YUNDONG)

Type of car	Model code
Benz -E260L-20142015	BENCHI-E260L-20142015(BENCHI-E400L-20142015)
Benz -E280-2005	BENCHI-E280-2005
Benz -E280-2007	BENCHI-E280-2007
Benz -E280-20072008	BENCHI-E280-20072008
Benz -E300-2011~2013- Fashion	BENCHI-E300-2011~2013-SHISHANG
Benz -E300L-20162017	BENCHI-E300L-20162017
Benz -E350-2013- Imported	BENCHI-E350-2013-JINKOU
Benz - E-Class -2017	BENCHI-EJI-2017
Mercedes-e-class AMG-2016~2018	BENCHI-EJIAMG-2016~2018
Benz -G-2013~2016- Imported	BENCHI-G-2013~2016-JINKOU(BENCHI-G650-2017)
Benz -GL-2013	BENCHI-GL-2013-JIBEN
Benz -GL400-2011	BENCHI-GL400-2011
Benz -GLA220-20152016	BENCHI-GLA220-20152016
Benz -GLC260-20162017	BENCHI-GLC260-20162017
Benchi-gle-2015 ~2017	BENCHI-GLE-2015~2017
Benz -GLK2604MATIC-2015	BENCHI-GLK2604MATIC-2015
Benz -GLK300-2012	BENCHI-GLK300-2012
Benz -GLK300-2013~2015	BENCHI-GLK300-2013~2015
Benz -GLK3004MATIC-20112012	BENCHI-GLK3004MATIC-20112012
Mercedes-benz - Maybach S-Class -2015~2017	BENCHI-MAIBAHESJI-2015-2017
Bench-ml-2005 ~2010	BENCHI-ML-2005~2010
Benz -ML-2010	BENCHI-ML-2010
Benchi-ML-201220142015	BENCHI-ML-201220142015
Benz -ML63-20072011	BENCHI-ML63-20072011
Benz -R-20062007	BENCHI-R-20062007
Benz -R300-2009~2017	BENCHI-R300-2009~2017
Benz -S300L-2006	BENCHI-S300L-2006
Benz -S350-2004	BENCHI-S350-2004
Benz -S350L-2010~2012	BENCHI-S350L-2010~2012
Benz -S400L-2014~2017	BENCHI-S400L-2014~2017

Type of car	Model code
Benz -SLK-200420102011	BENCHI-SLK-200420102011
Benz -SLK-2011	BENCHI-SLK-2011
Benz -V260-2016	BENCHI-V260-2016
Benz - Vito -2010~2015	BENCHI-WEITING-2010~2015
Benz - Weiting -2016	BENCHI-WEITING-2016
Benchi-weiting -- 2011~2015	BENCHI-WEIYANUO-2011~2015
Pentium-B50-2009	BENTENG-B50-2009
Pentium-b70-2006 ~2009	BENTENG-B70-2006~2009
Pentium-B70-2010	BENTENG-B70-2010
Pentium-X80-2013	BENTENG-X80-2013
Honda-alishen -- 20122015	BENTIAN-AILISHEN-20122015
Honda-odyssey -2002	BENTIAN-AODESAI-2002
Honda-odyssey -2007	BENTIAN-AODESAI-2007
Honda-odyssey -2008	BENTIAN-AODESAI-2008
Honda-odyssey -20092013	BENTIAN-AODESAI-20092013
Honda-odyssey -2011	BENTIAN-AODESAI-2011
Honda-odyssey -20132014	BENTIAN-AODESAI-20132014
Honda-odyssey -20152017	BENTIAN-AODESAI-20152017
Honda-binzhi -- 2015~2017	BENTIAN-BINZHI-2015~2017
Honda-CRV-2006	BENTIAN-CRV-2006
Honda-CRV-2007	BENTIAN-CRV-2007
Honda-CRV-2010	BENTIAN-CRV-2010
Honda-CRV-2013	BENTIAN-CRV-2013
Honda-CRV-2015	BENTIAN-CRV-2015
Honda-crz-2010 ~2013	BENTIAN-CRZ-2010~2013
Honda-fit -2003	BENTIAN-FEIDU-2003
Honda-fit -2007	BENTIAN-FEIDU-2007
Honda-fit -2008	BENTIAN-FEIDU-2008
Honda-fit -2011	BENTIAN-FEIDU-2011
Honda-fit -20142016	BENTIAN-FEIDU-20142016 (Bentian-FeidU-20142016-Shushi)

Type of car	Model code
Honda - Feng Fan -20082011	BENTIAN-FENGFAN-20082011
Honda - Fengfan -2012	BENTIAN-FENGFAN-2012
Honda - Fengfan -20152017	BENTIAN-FENGFAN-20152017
Honda-gori -2016	BENTIAN-GERUI-2016
Honda - Gerui -2012	BENTIAN-GESHITU-2012
Honda - Geshitu -20142016	BENTIAN-GESHITU-20142016
Honda-guandao -2017	BENTIAN-GUANDAO-2017
Honda-jade -2013~2016	BENTIAN-JIEDE-2013~2016
Honda - Ling Pai -201320152016	BENTIAN-LINGPAI-201320152016
Honda -- Concept S1-2011	BENTIAN-LINIANS1-2011
Honda - Shi Yun -2004	BENTIAN-SHIJUN-2004
Honda-spirex -2009	BENTIAN-SIBORUI-2009
Honda-siborui -2013	BENTIAN-SIBORUI-2013
Honda - Siborui - 20152017	BENTIAN-SIBORUI-20152017
Honda-siborui -20062007	BENTIAN-SIDI-20062007
Honda-simi -2012	BENTIAN-SIMING-2012
Honda-civic -2008	BENTIAN-SIYU-2008
Honda-civic -2009	BENTIAN-SIYU-2009
Honda-civic -20122013	BENTIAN-SIYU-20122013
Honda-civic -2014	BENTIAN-SIYU-2014
Honda-civic -2016	BENTIAN-SIYU-2016
Honda -XRV-2015	BENTIAN-XRV-2015
Honda-accord -2002	BENTIAN-YAGE-2002
Honda-accord 20042005	BENTIAN-YAGE-20042005
Honda-accord -20062007	BENTIAN-YAGE-20062007
Honda-accord -- 2008~2013	BENTIAN-YAGE-2008~2013
Honda-accord -201420152016	BENTIAN-YAGE-201420152016
Peugeot -- 2008-2015	BIAOZHI-2008-2015
Peugeot -206-2004~2008	BIAOZHI-206-2004~2008
Peugeot -207-2009201020112013	BIAOZHI-207-2009201020112013

Type of car	Model code
Peugeot -3008-20112013~2015	BIAOZHI-3008-20112013~2015-JINKOU
Peugeot -301-20142016	BIAOZHI-301-20142016
Peugeot -307-2006~2010	BIAOZHI-307-2006~2010-SANXIANG
Peugeot -307-2008~2013	BIAOZHI-307-2008~2013-LIANGXIANG
Peugeot -308-2012~2014	BIAOZHI-308-2012~2014
Peugeot -4008-20122013	BIAOZHI-4008-20122013
Peugeot -4008-2017	BIAOZHI-4008-2017
Peugeot -407SW-2007	BIAOZHI-407SW-2007-JINKOU
Peugeot -408-2010~2012	BIAOZHI-408-2010~2012
Peugeot -408-2013	BIAOZHI-408-2013
Peugeot -408-20142015	BIAOZHI-408-20142015
Peugeot -5008-2017	BIAOZHI-5008-2017
Peugeot -508-2011201320142015	BIAOZHI-508-2011201320142015
Buick - Encore -20132014	BIEKE-ANGKELA-20132014
Buick - Encore -2016~2018	BIEKE-ANGKELA-2016~2018
Buick - Enclave -2009	BIEKE-ANGKELEI-2009
Buick - Envision -2015	BIEKE-ANGKEWEI-2015
Buick -GL8-20032005207	BIEKE-GL8-200320052007
Buick -GL8-20112013- Business	BIEKE-GL8-20112013-SHANGWU
Buick -GL8-2011~201420052006	BIEKE-GL8-2011~201420052006-LUZUN
Buick -GL8-2015	BIEKE-GL8-2015
Buick -GL8-2017	BIEKE-GL8-2017-28T
Buick - Regal -2002	BIEKE-JUNWEI-2002
Buick - Regal -20042005	BIEKE-JUNWEI-20042005
Buick -- Regal -- 2011~2013	BIEKE-JUNWEI-2011~2013-YUNDONG
Buick -- Regal -- 20142015	BIEKE-JUNWEI-20142015
Buick - Lacrosse -20062008	BIEKE-JUNYUE-20062008
Buick - Lacrosse -2009	BIEKE-JUNYUE-2009
Buick - Lacrosse -20132014	BIEKE-JUNYUE-20132014
Buick - Lacrosse -2016	BIEKE-JUNYUE-2016

Type of car	Model code
Buick Excel-20042005	BIEKE-KAIYUE-20042005
Buick - Kaiyue -20052006	BIEKE-KAIYUE-20052006
Buick - Kaiyue -20052007	BIEKE-KAIYUE-20052007-LVXING
Buick - Kaiyue -2015	BIEKE-KAIYUE-2015
Buick - Boulevard -2007~2011	BIEKE-LINYINDADAO-2007~2011
Buick - Sail -2002	BIEKE-SAIOU-2002
Buick - Sail -2003~2004	BIEKE-SAIOU-2003~2004
Buick - Valen -20152017	BIEKE-WEILANG-20152017
Buick - Inlong -20152017	BIEKE-YINGLANG-20152017
Buick -- Yinglang GT -- 2010~2013	BIEKE-YINGLANGGT-2010~2013
Buick - YinglangGT XT-210~2014	BIEKE-YINGLANGXT-2010~2014
Bentley -Grandconvertible-2015	BINLI-GRANDCONVERTIBLE-2015
Bentley -- Continental -- 20132014	BINLI-OULU-20132014
Binli-oulu -- M3-2017	BISU-M3-2017
BYD-E5-20162017	BIYADI-E5-20162017
BYD-E6-20142016	BIYADI-E6-20142016
BYD-F0-201220132015	BIYADI-F0-201220132015
Byd-f3-2005 ~2013	BIYADI-F3-2005~2013
BYD-F3-2015	BIYADI-F3-2015
BYD-F3R-200820092011	BIYADI-F3R-200820092011
BiYADI-F6-2011	BIYADI-F6-2011
Byd-g3-2010 ~2013	BIYADI-G3-2010~2013
BiYadi-G5-2014	BIYADI-G5-2014
BYD-G6-2013	BIYADI-G6-2013
BYD-L3-2013	BIYADI-L3-2013
BYD-M6-2015	BIYADI-M6-2015
Byd-qin -- 2012~20162017	BIYADI-QIN-2012~20162017
BYD-S6-201220132014	BIYADI-S6-201220132014
BYD-S7-20152016	BIYADI-S7-20152016
Byd-srui -20162018	BIYADI-SIRUI-2013

Type of car	Model code
Byd-song -- 20162018	BIYADI-SONG-20162018
Byd-song MAX-20172018	BIYADI-SONGMAX-20172018
Byd-sirui -- 20152017	BIYADI-SURUI-20152016
Byd-tang -- 20152017	BIYADI-TANG-20152017
Changan - Benben LOVEMT-2010	CHANGAN-BENBENLOVEMT-2010
Changan -- Benben Mini -- 2010~2012	CHANGAN-BENBENMINI-2010~2012
Changan -- Changan Starlight -- 2007	CHANGAN-CHANGANXINGGUANG-2007-SHANGYONG
Changan -- Changan Star -- 200320072009	CHANGAN-CHANGANZHIXING-200320072009
Changan-changanzhixing -- 2013 -- Commercial	CHANGAN-CHANGANZHIXING-2013-SHANGYONG
Changan -- Changan Zhixing G2-2009 -- Commercial	CHANGAN-CHANGANZHIXING2-2009-SHANGYONG
Changan -- Changan Zhixing2 -- 2012 -- Commercial	CHANGAN-CHANGANZHIXING2-2012-SHANGYONG
Changan-Changanzhixing2-2015	CHANGAN-CHANGANZHIXING3-2015
Changan -- Changan Star G7 -- 2014 -- commercial	CHANGAN-CHANGANZHIXING7-2014-SHANGYONG
Changan-Changanzhixing7-2015	CHANGAN-CHANGANZHIXING9-2015
Changan -- Changan Zhixing S460-2009 -- Commercial	CHANGAN-CHANGANZHIXINGS460-2009-SHANGYONG
Changan -- CM8-2004 -- Shangyong	CHANGAN-CM8-2004-SHANGYONG
Changan-cs35-2012 ~2017	CHANGAN-CS35-2012~2017
Changan-CS75-2014	CHANGAN-CS75-2014
Changan-CX20-2014	CHANGAN-CX20-2014
Changan-CX30-20112012	CHANGAN-CX30-20112012
Changan-CX70-2016	CHANGAN-CX70-2016(CHANGAN-CX70-2017-SHOUDONG)
Changan-liwei -2013201420152017	CHANGAN-OULIWEI-2013201420152017
Changan-ouliwei -- 20152017 -- Commercial	CHANGAN-OUNUO-20152017-SHANGYONG
Changan-ounuo Commercial Vehicle -- 2012 -- Commercial	CHANGAN-OUNUOSHANGWUCHE-2012-SHANGYONG
Changan-auchan -20152016	CHANGAN-OUSHANG-20152016
Changan-oushang-2014 -- Commercial	CHANGAN-RUIXING-2014-SHANGYONG
Changan - Ruixing M70-2016	CHANGAN-RUIXINGM70-2016

Type of car	Model code
Changan-Ruixingm20132017	CHANGAN-YIDONG-20132017
Changan-escape New Energy -- 2016	CHANGAN-YIDONGXINNENGYUAN-2016
Changan-yidongxinnengyuan -- 2009	CHANGAN-YUEXIANG-2009-LIANGXIANG
Changan-yuexiang -- 20092010	CHANGAN-YUEXIANG-20092010
Changan-yuexiang V3-2012	CHANGAN-YUEXIANGV3-2012
Changan-YuexiangV5-2012	CHANGAN-YUEXIANGV5-2012
Changan-YuexiangV7-2015	CHANGAN-YUEXIANGV7-2015
Changan-YuexiangV7-20112013	CHANGANOUSHANG-JINNIUXING-20112013
The Great Wall -C20R-20132014	CHANGCHENG-C20R-20132014
The Great Wall -C30-201020122014	CHANGCHENG-C30-201020122014
The Great Wall -C30-20152017	CHANGCHENG-C30-20152017
The Great Wall -C50-20122013	CHANGCHENG-C50-20122013
The Great Wall - Haval H3-200620072012	CHANGCHENG-HAFUH3-200620072012
Great Wall - Haval H5-2010	CHANGCHENG-HAFUH5-2010-2
Great Wall - Hafuh5 -2011	CHANGCHENG-HAFUH6-2011
The Great Wall - Genie -2008	CHANGCHENG-JINGLING-2008
Great Wall - Cool Bear -20092010	CHANGCHENG-KUXIONG-20092010
The Great Wall -M2-2010	CHANGCHENG-M2-2010
The Great Wall -M4-20122013	CHANGCHENG-M4-20122013
The Great Wall -M4-20142015	CHANGCHENG-M4-20142015
The Great Wall - Saiying -2007	CHANGCHENG-SAIYING-2007
Great Wall -- Tengyi v80 -- 2011~2013	CHANGCHENG-TENGYIV80-2011~2013
Changhe - Freida -2009~2014	CHANGHE-FURUIDA-2009~2014
Changhe -M50-2015	CHANGHE-M50-2015
Daihatsu - Senya -20092011	DAFA-SENYA-20092011
Dodger - Coolbo -2009~2011	DAOQI-KUBO-2009~2011
Dodge - Kuwei -2009	DAOQI-KUWEI-2009-JINKOU
Daoqi-kuwei -2013	DAOQI-KUWEI-2013
Dodge - Challenger -2015	DAOQI-TIAOZHANZHE-2015
Volkswagen - Bora -2004	DAZHONG-BAOLAI-2004

Type of car	Model code
Volkswagen - Bora -2006	DAZHONG-BAOLAI-2006
Volkswagen - Bora -2012	DAZHONG-BAOLAI-2012
Volkswagen - Bora -2014	DAZHONG-BAOLAI-2014-2
Volkswagen - Bora -2014	DAZHONG-BAOLAI-2014-SPORTLINE
Volkswagen - Bora -20162017	DAZHONG-BAOLAI-20162017
Volkswagen -CC-2009~2012	DAZHONG-CC-2009~2012
Volkswagen -CC-2013~2018	DAZHONG-CC-2013~2018
Dazhong - Gower -2002	DAZHONG-GAOER-2002
Volkswagen - Golf -2006	DAZHONG-GAOERFU-2006-JINKOU
Volkswagen - Golf -201420152016	DAZHONG-GAOERFU-201420152016
Volkswagen-Golf-2004	DAZHONG-GOLF-2004
Dazhong -GOLF-2010~2016	DAZHONG-GOLF-2010~2016
Volkswagen -GOLF-2014~2016	DAZHONG-GOLF-2014~2016
Volkswagen-Golf-2016	DAZHONG-GOLF-2016-RLINE
Dazhong -- Phaeton -- 2011~2013	DAZHONG-HUITENG-2011~2013
Volkswagen - Jetta -2014	DAZHONG-JETTA-2014
Volkswagen - Beetle -2006	DAZHONG-JIAKECHONG-2006
Volkswagen - Beetle -2012~2015	DAZHONG-JIAKECHONG-2012~2015
Volkswagen - Jetta -19982005	DAZHONG-JIEDA-19982005
Volkswagen -- Jetta -- 20002006~2012	DAZHONG-JIEDA-20002006~2012
Volkswagen -- Jetta -- 20132015	DAZHONG-JIEDA-20132015-SHISHANG
Volkswagen -- Jetta -- 2017	DAZHONG-JIEDA-2017
Volkswagen - Keluway -20142015	DAZHONG-KAILUWEI-20142015
Dazhong - Langxing -2013201420142017	DAZHONG-LANGXING-2013201420152017
Volkswagen - Lavida -2008	DAZHONG-LANGYI-2008
Volkswagen - Lavida -201220142015	DAZHONG-LANGYI-201320142015
Volkswagen -- Lavida -- 2015~2017	DAZHONG-LANGYI-2015~2017
Dazhong - Lamdo -2015~2017	DAZHONG-LINGDU-20152017
Volkswagen - Magotan -2009	DAZHONG-MAITENG-2009
Dazhong -- Maiteng -- 2012~2015	DAZHONG-MAITENG-2012~2015

Type of car	Model code
Volkswagen - Maiteng -2017	DAZHONG-MAITENG-2017
Volkswagen - Passat -2004~2007	DAZHONG-PASATE-2004~2007
Volkswagen - Passat -2011~2015	DAZHONG-PASATE-2011~2015-ZUNRONG
Volkswagen - Passat -20162017	DAZHONG-PASATE-20162017
Dazhong -Passat Drive -20052007	DAZHONG-PASSATLINGYU-20052007
Dazhong -Passat Drive -2011	DAZHONG-PASSATLINGYU-2011
Volkswagen -POLO-2004	DAZHONG-POLO-2004
Volkswagen -POLO-2004- Sanchon	DAZHONG-POLO-2004-SANXIANG
Dazhong -POLO-20072008	DAZHONG-POLO-20072008
Volkswagen -POLO-20072009	DAZHONG-POLO-20072009
Volkswagen -POLO-2011- Sanchon	DAZHONG-POLO-2011-SANXIANG
Dazhong -POLO-20112012	DAZHONG-POLO-20112012
Volkswagen -POLO-20142016	DAZHONG-POLO-20142016
Volkswagen -POLOCROSS-2007	DAZHONG-POLOCROSS-2007
Volkswagen - Santana -1998	DAZHONG-SANGTANA-1998
Volkswagen - Santana -20042007	DAZHONG-SANGTANA-20042007
Dazhong - Santana 3000-20062008	DAZHONG-SANGTANA3000-20062008
Volkswagen - Santana Shanna -2013~2015	DAZHONG-SANGTANASHANGNA-2013~2015
Dazhong - Santana Zhijun -20062008	DAZHONG-SANGTANAZHIJUN-20062008
Dazhong - Santana Zhijun -200620082010	DAZHONG-SANGTANAZHIJUN-200620082010
Volkswagen -- Scirocco -- 2009~2014	DAZHONG-SHANGKU-2009~2014
Dazhong - Shangku -2011	DAZHONG-SHANGKU-2011
Dazhong -- Sagitar -- 2006~2010	DAZHONG-SUTENG-2006~2010
Dazhong -- Suteng -- 2006~2011	DAZHONG-SUTENG-2006~2011
Dazhong -- Suteng -- 2012~2014	DAZHONG-SUTENG-2012~2014
Volkswagen-suteng -2015	DAZHONG-SUTENG-2015
Volkswagen - Touran -2005	DAZHONG-TUAN-2005
Volkswagen - Touan -2013~2015	DAZHONG-TUAN-2013~2015
Volkswagen - Tiguan -20102012	DAZHONG-TUGUAN-20102012
Volkswagen -- Tiguan -- 2013~2015	DAZHONG-TUGUAN-2013~2015

Type of car	Model code
Volkswagen - Tiguan L-2017	DAZHONG-TUGUANL-2017
Volkswagen - Touareg -2010	DAZHONG-TURUI-2010
Volkswagen - Touareg -2011201420162017	DAZHONG-TURUI-2011201420162017
Dazhong - Sharan -2012~2017	DAZHONG-XIALANG-2012~2017
Emgrand - Bo Rui -20152016	DIHAO-BORUI-20152016
Emgrand - Borui -2017	DIHAO-BORUI-2017
Emgrand - Boyue -2016	DIHAO-BOYUE-2016
Emgrand - Emgrand -2014~2016	DIHAO-DIHAO-2014~2016-LIANGXIANG
Emgrand - Emgrand -20162017	DIHAO-DIHAO-20162017
Emgrand -EC7-2012	DIHAO-EC7-2012
Emgrand -EC7RV-2010	DIHAO-EC7RV-2010
Emgrand -EC8-20112013	DIHAO-EC8-20112013
Emgrand -EX8-2009	DIHAO-EX8-2009
Emgrand -GL-2017+	DIHAO-GL-2017
Emgrand -GS-20142016	DIHAO-GS-20142016
Emgrand -GS-20162017	DIHAO-GS-20162017-YUNDONG
Emgrand - Kong -20162017	DIHAO-JINGANG-20162017
Emgrand - Classic Emgrand -2009~2013	DIHAO-JINGDIANDIHAO-2009~2013-SANXIANG
Emgrand - Classic Emgrand -2011~2013	DIHAO-JINGDIANDIHAO-2011~2013-LIANGXIANG
Emgrand - Vista -2015	DIHAO-YUANJING-2015
Emgrand -- Vista -- 2018	DIHAO-YUANJING-2018
Emgrand - Vision SUV-2016	DIHAO-YUANJINGSUV-2016
Emgrand - Vision X1-2017	DIHAO-YUANJINGX1-2017
Emgrand - Vision X3-2017	DIHAO-YUANJINGX3-2017
East wind - grace -20102011~2014	DONGFENG-FENGDU-20102011~2014
Dongfeng-fengfeng 370-2016	DONGFENG-FENGGUANG370-2016
Dongfeng -- Fengshen a30-2014	DONGFENG-FENGSHENA30-2014
Dongfeng -- Fengshena60-2014	DONGFENG-FENGSHENA60-2014
Dongfeng -- FengshenaAX3-2016	DONGFENG-FENGSHENAX3-2016
Dongfeng - Fengshenax7-20152016	DONGFENG-FENGSHENAX7-20152016

Type of car	Model code
Dongfeng-Fengshenax7-20132014	DONGFENG-FENGSHENS30-20132014
Dongfeng - FengshensCM7-2016 ~2018	DONGFENG-FENGXINGCM7-2016~2018
Dongfeng -- Fengfeng Jingyi -- 2010~2014	DONGFENG-FENGXINGJINGYI-2010~2014
Dongfeng - Fengfeng Jingyi S50-2016	DONGFENG-FENGXINGJINGYIS50-2016
Dongfeng - FengxingJingyi X3-20142016	DONGFENG-FENGXINGJINGYIX3-20142016
Dongfeng -- Fengfeng Lingzhi -- 2010	DONGFENG-FENGXINGLINGZHI-2010
Dongfeng -- Fengfeng Xinglingzhi -- 2012	DONGFENG-FENGXINGLINGZHI-2012
Dongfeng - Fengfeng Lingzhi M5-2012	DONGFENG-FENGXINGLINGZHIM5-2012
Dongfeng -- Fengfeng S500-20162017	DONGFENG-FENGXINGS500-20162017
Dongfeng - Fengfeng SX6-2016	DONGFENG-FENGXINGSX6-2016
Dongfeng-junfeng ER30-2016	DONGFENG-JUNFENGER30-2016
Dongfeng -- Xiaokang C37-2012	DONGFENG-XIAOKANGC37-2012
Dongfeng - XiaokangFeng-2014	DONGFENG-XIAOKANGFENGGUANG-2014
Dongfeng - Xiaokang K05S-2016	DONGFENG-XIAOKANGK05S-2016(DONGFENG-XIAOKANGK01-2015)
Dongfeng - Xiaokang K07-2009	DONGFENG-XIAOKANGK07-2009
Dongfeng - XiaokangK07-2010 ~2015	DONGFENG-XIAOKANGK07-2010~2015(DONGFENG-XIAOKANGK17-2009)
Dongfeng - Xiaokang K07II-20072013	DONGFENG-XIAOKANGK07II-20072013
Dongfeng - XiaokangkV27-2011	DONGFENG-XIAOKANGV27-2011
Dongfeng - XiaokangV29-2012	DONGFENG-XIAOKANGV29-2012
Dongfeng -- Yufeng -- 2012~2016	DONGFENG-YUFENG-2012~2016(DONGFENG-YUFENGEV-2015)
Dongdong-delica -- 200820092014	DONGNAN-DELIKA-200820092014
Dongnan-DX7-20152016	DONGNAN-DX7-20152016
Dongnan -- Fulica -- 2010	DONGNAN-FULIKA-2010
Dongnan - Ryu Shuai -2005	DONGNAN-LINGSHUAI-2005
Dongnan-lingli - 2005	DONGNAN-LINLI
Dongnan-linli -V3 Rhombus -2010	DONGNAN-V3LINGYUE-2010
Dongnan-v3Lingyue-201020112014	DONGNAN-V3LINGYUE-201020112014
Dongnan-v5 Lingzhi-20142015	DONGNAN-V5LINGZHI-20142015
Dongnan -- V6 Rishi -- 2014	DONGNAN-V6LINGSHI-2014
Dongnan - Shiwan -2011	DONGNAN-XIWANG-2011

Type of car	Model code
DS-5-2011~2015	DS-5-2011~2015-JINKOU
DS-5LS-2014~2016	DS-5LS-2014~2016
DS-6-2014~2017	DS-6-2014~2017
Ferrari -458-20112013	FALALI-458-20112013
Fiat-feixiang -- 2012~2015	FEIYATE-FEIXIANG-2012~2015
Fiat-palio -- 2004~2006	FEIYATE-PAILIAO-2004~2006
Fiat-Siena-2006	FEIYATE-XIYENA-2006
Fiat - Zhiyue -2014	FEIYATE-ZHIYUE-2014
Toyota-86-2017	FENGTIAN-86-2017
Toyota-Elpha-20102012	FENGTIAN-AIERFA-20102012
Toyota-Aierfa-2013	FENGTIAN-AIERFA-2013
Toyota-Aierfa-2015	FENGTIAN-AIERFA-2015-JINKOU
Toyoda - Highlander -20112013	FENGTIAN-HANLANDA-20112013
Toyota-hanlanda -2013	FENGTIAN-HANLANDA-2013-ZIJINGBAN
Toyota-hanlanda -20152017	FENGTIAN-HANLANDA-20152017
Toyota -- Sequoia -- 2010	FENGTIAN-HONGSHAN-2010
Toyota - Corolla -20042007	FENGTIAN-HUAGUAN-20042007
Toyota - Corolla -20072009	FENGTIAN-HUAGUAN-20072009
Toyota - Corolla -2010	FENGTIAN-HUAGUAN-2010
Toyota - Corolla -2013	FENGTIAN-HUAGUAN-2013
Toyota - Crown -200520072012	FENGTIAN-HUANGGUAN-200520072012
Toyota - Crown -20102011	FENGTIAN-HUANGGUAN-20102011
Toyota - Crown -2015	FENGTIAN-HUANGGUAN-2015
Toyota - Camry -2000	FENGTIAN-JIAMEI-2000
Toyota-jiamei -2002	FENGTIAN-JIAMEI-2002
Toyota-jiluchi -2011	FENGTIAN-JIELUCHI-2011
Toyota - Camry -200220042005	FENGTIAN-KAIMEIRUI-200220042005
Toyota - Camry -2005	FENGTIAN-KAIMEIRUI-2005-JINKOU
Toyota - Camry -2006~2013	FENGTIAN-KAIMEIRUI-2006~2013
Toyota - Camry -2010	FENGTIAN-KAIMEIRUI-2010-HYBRID

Type of car	Model code
Toyota - Camry -20122013	FENGTIAN-KAIMEIRUI-20122013
Toyota - Camry -20122015	FENGTIAN-KAIMEIRUI-20122015
Toyota - Corolla -2007$_{20092011}$2013	FENGTIAN-KALUOLA-2007$_{20092011}$2013
Toyota - Corolla -20162017	FENGTIAN-KALUOLA-20162017
Toyota-landcool Lutzer -- 2005	FENGTIAN-LANDEKULUZE-2005
Toyota-landekuluze -200820072010	FENGTIAN-LANDEKULUZE-200820072010
Toyota-landekuluze -20102012	FENGTIAN-LANDEKULUZE-20102012
Toyota-landekuluze -- 2016	FENGTIAN-LANDEKULUZE-2016
Toyoda - Leiling -2016201420142017	FENGTIAN-LEILING-2016201420142017
Toyota-land Patrol LC80-1995	FENGTIAN-LUXUNLC80-1995
Toyota-prado -2004	FENGTIAN-PULADUO-2004
Toyota - Prado -2010	FENGTIAN-PULADUO-2010
Toyota-prado -2014~2016	FENGTIAN-PULADUO-2014~2016
Toyota-prado TX-2014~2016	FENGTIAN-PULADUOTX-2014~2016
Toyota - Prius -2012	FENGTIAN-PURUISI-2012
Toyota-puruisi -- 2006~2007	FENGTIAN-PURUIWEIYA-2006~2007
Toyota-rav4-2009 ~2012	FENGTIAN-RAV4-2009~2012
Toyota -RAV4-20132015	FENGTIAN-RAV4-20132015
Toyota -RAV4-2016	FENGTIAN-RAV4-2016
Toyota-reiz -2005~2009	FENGTIAN-RUIZHI-2005~2009
Toyota-reiz -20102009	FENGTIAN-RUIZHI-20102009
Toyota-reiz -2013	FENGTIAN-RUIZHI-2013
Toyota-sienna -2011~2015	FENGTIAN-SIENNA-2011~2015
Toyota-sienna -2016~2017	FENGTIAN-SIENNA-2016~2017
Toyota -- Tandu -- 20142016	FENGTIAN-TANTU-20142016
Toyota-vios -20042010	FENGTIAN-WEICHI-20042010
Toyota-vios -2008	FENGTIAN-WEICHI-2008
Toyota-vios -2013	FENGTIAN-WEICHI-2013
Toyota-vios -- 2014~2016	FENGTIAN-WEICHI-2014~2016
Toyota-yaris -- 20112008	FENGTIAN-YALISHI-20112008

Type of car	Model code
Toyoda -YARiSL Zhihyun -20152016	FENGTIAN-YARISLZHIXUAN-20152016-GAIKUAN
Toyota-yatsui -- 2011~2015	FENGTIAN-YIZHI-2011~2015
Toyota Reishi - Reishi -2013	FENGTIANRUIZHI-RUIZHI-2013-HAIWAI
Fengtianruizhi - Pathfinder 6-2010	FUDI-TANLUZHE6-2010
Ford-focus -2005	FUTE-FUKESI-2005
Ford - Focus -20062007	FUTE-FUKESI-20062007-LIANGXIANG
Ford-focus -2011	FUTE-FUKESI-2011
Ford - Focus -2011- Import	FUTE-FUKESI-2011-JINKOU
Ford - Focus -2011- Hatchback	FUTE-FUKESI-2011-SANXIANG
Ford-focus -2012 Hatchback Comfort	FUTE-FUKESI-2012-SANXIANGSHUSHI
Ford - Focus -2013	FUTE-FUKESI-2013
Ford - Focus -20152018- Hatchback	FUTE-FUKESI-20152018-LIANGXIANG
Ford-focus -2015~2018	FUTE-FUKESI-2015~2018
Ford-fuaris -2015	FUTE-FURUISI-2015
Ford - Fiesta -20092011- Hatchback	FUTE-JIANIANHUA-20092011-SANXIANG
Ford - Fiesta -20112012- Hatchback	FUTE-JIANIANHUA-20112012-LIANGXIANG
Ford-fiesta -2013	FUTE-JIANIANHUA-2013
Ford - Fiesta -20132014- Sanchon	FUTE-JIANIANHUA-20132014-SANXIANG
Ford -- Classic Quanshun -- 2009~2015	FUTE-JINGDIANQUANSHUN-2009~2015
Ford -- Classic Quanshun -- 2009~2015 -- Diesel	FUTE-JINGDIANQUANSHUN-2009~2015-CHAIYOU
Ford - Tauron -2005	FUTE-JINNIUXING-2005
Ford - Taurus -20152017	FUTE-JINNIUZUO-20152017
Ford-max -2008	FUTE-MAIKESI-2008
Ford-mondeo -2000	FUTE-MENGDIOU-2000
Ford-mondeo -200420052006	FUTE-MENGDIOU-200420052006
Ford-mondeo -20072008	FUTE-MENGDIOU-20072008
Ford-mondeo -2013	FUTE-MENGDIOU-2013
Ford - Mondeo -2017	FUTE-MENGDIOU-2017
Ford - Mondeo Wins -2007~2010	FUTE-MENGDIOUZHISHENG-2007~2010

Type of car	Model code
Ford-mondeo Winning -- 20112012	FUTE-MENGDIOUZHISHENG-20112012
Ford - Raptor f150-20122013	FUTE-MENGQINF150-20122013
Ford -- Quanshun -- 2000	FUTE-QUANSHUN-2000
Ford - Quanshun -2017	FUTE-QUANSHUN-2017
Ford - Rui Jie -20112012	FUTE-RUIJIE-20112012
Ford - Ruijie -20152016	FUTE-RUIJIE-20152016
Ford - Explorer -201120162017	FUTE-TANXIANZHE-201120162017
Ford -- New Era All-Smooth -- 2009	FUTE-XINSHIDAIQUANSHUN-2009
Ford - New Era Quanshun -2013	FUTE-XINSHIDAIQUANSHUN-2013
Ford - Mustang -2015~2017	FUTE-YEMA-2015~2017
Ford - Wing-Beat -2013	FUTE-YIBO-2013
Ford-escape -2013	FUTE-YIHU-2013
Ford - Escape -2017	FUTE-YIHU-2017
Futian -- Scenic -- 20112012	FUTIAN-FENGJING-20112012
Futian -- Scenery G7 -- 2014~2016	FUTIAN-FENGJINGG7-2014~2016
Futian -- Scenery Fast -- 2012	FUTIAN-FENGJINGKUAIJIE-2012
Futian - Monpeck E-2014	FUTIAN-MENGPAIKEE-2014
Futian - Mengpaikee-20112014	FUTIAN-MIDI-20112014
Futian - Tuyano -2015	FUTIAN-TUYANUO-2015
Trumpchi -GA3-20132014	GUANGQICHUANQI-GA3-20132014
Trumpchi -- GA3S Vision -- 20142016	GUANGQICHUANQI-GA3SSHIJIE-20142016
Trumpchi -GA5-20112012	GUANGQICHUANQI-GA5-20112012
Trumpchi -GA5 New Energy -2016	GUANGQICHUANQI-GA5XINNENGYUAN-2016
Trumpchi -GS5-2012~2014	GUANGQICHUANQI-GS5-2012~2014
Trumpchi -GS8-2017	GUANGQICHUANQI-GS8-2017
Gac Guio-Xinglong -- 2014	GUANGQIJIAO-XINGLANG-2014
Gac Jiao-Xingwang -- 20102012	GUANGQIJIAO-XINGWANG-20102012
Gac Geo-Xingwang GL-20102012	GUANGQIJIAO-XINGWANGCL-20102012
Qoros -5-20162017	GUANZHI-5-20162017
Ha Fei - Jun Yi -2010	HAFEI-JUNYI-2010

Type of car	Model code
Hafei-lubao -- 20082011	HAFEI-LUBAO-20082011
Hafei-Lubao-20062008	HAFEI-MINYI-20062008
Haver -H1-2015	HAFU-H1-2015
Hafu-H1-2016	HAFU-H1-2016
Hafu-H2-20152017	HAFU-H2-20152017
Haval -H3-2009~2012	HAFU-H3-2009~2012
Hafu-H5-20152016	HAFU-H5-20152016
Hafu-H6-2013	HAFU-H6-2013
Hafu -H6-2013~2015- Sports	HAFU-H6-2013~2015-YUNDONG
Hafu-H6-20152016	HAFU-H6-20152016
Hafu-H6-2018	HAFU-H6-2018
Hafu-h6coupe -20172015	HAFU-H6COUPE-20172015-BLUE
Hafu-h7-2015 ~2017	HAFU-H7-2015~2017
Hafu-H9-2015	HAFU-H9-2015
Hafu-fumilai -2006	HAIMA-FUMEILAI-2006
Haima - Fumeilai -2006-GL	HAIMA-FUMEILAI-2006-GL
Haima -- Fumeilai -- 2011~2014	HAIMA-FUMEILAI-2011~2014
Haima - Fumeilai -20122013	HAIMA-FUMEILAI-20122013
Haima -- Fumeilai -- 2014~2016	HAIMA-FUMEILAI-2014~2016
Haima - Fumeilai MPV-2017	HAIMA-FUMEILAIMPV-2017
Haima - FumeilaiMPV -20122009- Luxury	HAIMA-FUSHIDAHONGDA-20122009-HAOHUA
Haima -- Fushidahongda -- 2007~2010	HAIMA-HAIFUXING-2007~2010
Haima -- Haifuxing -- 2011	HAIMA-HAIFUXING-2011
Haima -M3-20132014	HAIMA-M3-20132014
Haima -M3-2016	HAIMA-M3-2016
Haima - Prima -2007	HAIMA-PULIMA-2007
Haima - Pulima -2010~2014	HAIMA-PULIMA-2010~2014
Haima - Knight -2013	HAIMA-QISHI-2013-LINGHANGXING
Haima - Cupital -20102015	HAIMA-QIUBITE-20102015
Haima -S5-2015	HAIMA-S5-2015

Type of car	Model code
Haima -S7-2015	HAIMA-S7-2015
Hongqi -H7-20132015	HONGQI-H7-20132015
Hongqi-xinmingshi -2007	HONGQI-XINMINGSHI-2007
Huanghai - Qisheng F1-2012	HUANGHAI-QISHENGF1-2012
Huang Hai-QishengF1-2011	HUANGHAI-QISHENGV3-2011
Huapu - Hai Feng -2007	HUAPU-HAIFENG-2007
Huapu - Haifeng -2007	HUAPU-HAIYU-2007
Jianghuai -- Heyue -- 2010~2012	JIANGHUAI-HEYUE-2010~2012
Jianghuai - Heyue RS-2010~2012	JIANGHUAI-HEYUERS-2010~2012
Jianghuai -- M2-2013	JIANGHUAI-M2-2013
Jianghuai -M5-2016	JIANGHUAI-M5-2016
Jianghuai - Ruifeng -2007	JIANGHUAI-RUIFENG-2007
Jianghuai - Ruifeng -200720112012	JIANGHUAI-RUIFENG-200720112012
Jianghuai - Ruifeng -2012	JIANGHUAI-RUIFENG-2012
Jianghuai - Ruifeng M2-2010~2012	JIANGHUAI-RUIFENGM2-2010~2012
Jianghuai - RuifengM3-20152016	JIANGHUAI-RUIFENGM3-20152016
Jianghuai - Ruifeng M5-2012~2014	JIANGHUAI-RUIFENGM5-2012~2014
Jianghuai - Ruifengm5-2014 ~2016	JIANGHUAI-RUIFENGS3-2014~2016
Jianghuai - RuifengS5-2013	JIANGHUAI-RUIFENGS5-2013
Jianghuai -- Ruifengs5 -- 2008~2013	JIANGHUAI-RUIYING-2008~2013
Jianghuai - Tongyue -2008~2013	JIANGHUAI-TONGYUE-2008~2011
Jianghuai - Xingrui -2011	JIANGHUAI-XINGRUI-2011
Jiangling - Baowei -2009	JIANGLING-BAOWEI-2009
Jiangling -- Quanshun -- 0000	JIANGLING-QUANSHUN
Jiangling-shunda -2007	JIANGLING-SHUNDA-2007-ZAI
Jiangling - Shunda -2017	JIANGLING-SHUNTE-2017
Jiangling - Shunte -2017	JIANGLING-TESHUN-2017
Jiangling New Energy -- E200-2016	JIANGLINGXINNENGYUAN-E200-2016
Jaguar -FTYPE-20152016	JIEBAO-FTYPE-20152016
Jag -XE-20172018	JIEBAO-XE-20172018

Type of car	Model code
Jag -XF-2011~2013	JIEBAO-XF-2011~2013
Jag -XF-2012~2015	JIEBAO-XF-2012~2015
Jag -XF-2015~2016	JIEBAO-XF-2015~2016
Jaguar -XJ-2010~2015	JIEBAO-XJ-2010~2015
Jiebao-king Kong -20062007	JILI-JINGANG-20062007
Jili-jingang -2006~2010- Hatchback	JILI-JINGANG-2006~2010-LIANGXIANG
Jili-us-japan -2006	JILI-MEIRI-2006
Jili -- Vision -- 2006~2010	JILI-YUANJING-2006~2010
Jili-yuanjing -- 2005~2007	JILI-ZIYOUJIAN-2005~2007
Jili-ziyoujian -- Kong -- 2010~2011	JILIYINGLUN-JINGANG-2010-2011(YINGLUN-JINGANG-2010-WUDI)
Jiliyinglun-jingang-fortune -2012	JILIYINGLUN-JINGANGCAIFU-2012
Jiliyinglun -- Jinying -- 20082010	JILIYINGLUN-JINYING-20082010
JiliyingLUN-SC3-2010	JILIYINGLUN-SC3-2010
Jiliyinglun -- SC7-20092011	JILIYINGLUN-SC7-20092011
Gold Cup -750-20152016	JINBEI-750-20152016
Jinbei - Greys -2008	JINBEI-GERUISI-2008
Jinbei - Geruisi -2010	JINBEI-GERUISI-2010
Jinbei - Geruisi -2014	JINBEI-GERUISI-2014
Jinbei-geruisi -- 199920102014	JINBEI-HAISHI-199920102014
Jinbei-haishi -- 20082011	JINBEI-HAISHI-20082011
Jinbei-haishi -- 20112014	JINBEI-HAISHI-20112014-2
Jinbei-haishi -2014- Deluxe	JINBEI-HAISHI-2014-HAOHUA
Jinbei - Sea Lion Sixth Generation -2011	JINBEI-HAISHIDILIUDAI-2011
Gold Cup - Sea Lion X30L-2016	JINBEI-HAISHIX30L-2016
Jinbei-haishix30l - 2016	JINBEI-HAIXINGA9-2011
Jinlong - Jinwei -2014	JINLONG-JINWEI-2014
Jeep-grand Cherokee -2014~2016	JIPU-DAQIENUOJI-2014~2016
Jeep-wrangler -2008~2015	JIPU-MUMAREN-2008~2015
Jipu - Commander -2008	JIPU-ZHIHUIGUAN-2008
Jipu - Guide -2007	JIPU-ZHINANZHE-2007

Type of car	Model code
Jipu - Guide -2007~2016	JIPU-ZHINANZHE-2007~2016
Jipu - Guider -2017	JIPU-ZHINANZHE-2017
Jipu - Free Light -20142015	JIPU-ZIYOUGUANG-20142015
Jeep-freedom Passenger -2012~2015	JIPU-ZIYOUKE-2012~2015
Cadillac -ATSL-2014	KAIDILAKE-ATSL-2014
Cadillac-cts-2008 ~2010	KAIDILAKE-CTS-2008~2010-JINKUO
Cadillac -SLS Ceville -2010~2012	KAIDILAKE-SLSSAIWEI-2010~2012
Cadillac -SRX-2010~2015	KAIDILAKE-SRX-2010~2015
Cadillac -XTS-2013~2017	KAIDILAKE-XTS-2013~2017
Kairui -K50-20152017	KAIRUI-K50-20152017
Kairui - Elegant 2 Generation -2013	KAIRUI-YOUYA2DAI-2013
Kairui - Youyou 2Dai -2013	KAIRUI-YOUYOU2DAI-2013
Kandi -K10-2015	KANGDI-K10-2015
Kangdi-K11-2015	KANGDI-K11-2015
Kangdi-K17-2016	KANGDI-K17-2016
Chrysler-300C-2004	KELAISILE-300C-2004
Lamborghini -Huracan-2016	LANBOJINI-HURACAN-2016
Rolls-Royce - Wraith -2013~2016	LAOSILAISI-MEIYIN-2013~2016
Lexus -CT-2011~2013	LEIKESASI-CT-2011~2013
Lexus -CT-2017	LEIKESASI-CT-2017
Lexus -ES-2006~2012	LEIKESASI-ES-2006~2012
Lexus -ES-2013~2017	LEIKESASI-ES-2013~2017
Lexus -ES330-2005	LEIKESASI-ES330-2005
Lexus -GS-2004~2011	LEIKESASI-GS-2004~2011
Lexus -GX-201020122014	LEIKESASI-GX-201020122014
Lexus -IS-2006~2009	LEIKESASI-IS-2006~2009
Lexus -IS-20152017	LEIKESASI-IS-20152017
Lexus -IS350C-2010	LEIKESASI-IS350C-2010(LEIKESASI-IS300C-2009)
Rexas-LS-20072010	LEIKESASI-LS-20072010
Lexus -LS430-20042005	LEIKESASI-LS430-20042005

Type of car	Model code
Lexus -LX570-2007~2012	LEIKESASI-LX570-2007~2012
Lexus -NX-20152016	LEIKESASI-NX-20152016
Lexus -RX-200420062007	LEIKESASI-RX-200420062007
Lexus -RX-2011~2014	LEIKESASI-RX-2011~2014
Lexus -RX-2016	LEIKESASI-RX-2016
Reno - Landscape -2004	LEINUO-FENGJING-2004
Leinuo -- Scenery -- 2011	LEINUO-FENGJING-2011
Leinuo -- Fengjing -- 2011~2015	LEINUO-FENGLANG-2011~2015
Leinuo -- 2009~2016	LEINUO-KELEIAO-2009~2016
Leinuo-megane -2006	LEINUO-MEIGANNA-2006
Leinuo - Jingyue -2009	LIANHUA-JINGYUE-2009
Lianhua -L3-2009	LIANHUA-L3-2009
Cheetah -CS10-2014~2016	LIEBAO-CS10-2014~2016
Cheetah -Q6	LIEBAO-Q6
Lifan -520-20102011	LIFAN-520-20102011
Lifan-620-2008 ~2012	LIFAN-620-2008~2012
Lifan - Fengshun -2011	LIFAN-FENGSHUN-2011
Lifan - Xingshun -2011	LIFAN-XINGSHUN-2011
Lynk & Co - Lynk & Co 01-2017	LINGKE-LINGKE01-2017
Suzuki - Alto -20092010	LINGMU-AOTUO-20092010
Suzuki - Aotuo -20132015	LINGMU-AOTUO-20132015
Suzuki - Big Dipper -2002	LINGMU-BEIDOUXING-2002
Suzuki - Beidouxing -2010~2012	LINGMU-BEIDOUXING-2010~2012
Suzuki -- Beidouxing -- 20132015	LINGMU-BEIDOUXING-20132015
Suzuki - Beidouxing X5-2013	LINGMU-BEIDOUXINGX5-2013
Suzuki - Super Vitra -20072008	LINGMU-CHAOJIWEITELA-20072008
Suzuki - Kaiser -20102011	LINGMU-KAIZEXI-20102011
Suzuki - Nandi -2007~2010	LINGMU-LANGDI-2007~2010
Suzuki - Oryx -2003	LINGMU-LINGYANG-2003
Suzuki - Antelope -20072009	LINGMU-LINGYANG-20072009

Type of car	Model code
Suzuki - Liana -2008~2013	LINGMU-LIYANA-2008~2013
Suzuki - Naoyuki Tenyu -2011~2013	LINGMU-TIANYUSHANGYUE-2011~2013
Suzuki - Tianyu SX4-2006	LINGMU-TIANYUSX4-2006
Suzuki - Tianyusx4-20072009	LINGMU-TIANYUSX4-20072009
Suzuki - Tianyusx4-20112016	LINGMU-TIANYUSX4-20112016
Suzuki - Swift -2005~2010	LINGMU-YUYAN-2005~2010
Suzuki - Swift -2011	LINGMU-YUYAN-2011
Suzuki - Swift -2013~2016	LINGMU-YUYAN-2013~2016
Concept -S1-2011	LINIAN-S1-2011
Linian - Navigator -2005	LINKEN-LINGHANGYUAN-2005
Lincoln - Navigator -20142017	LINKEN-LINGHANGYUAN-20142017
Lincoln -MKC-2014~2016	LINKEN-MKC-2014~2016
Linken-MKX-20152017	LINKEN-MKX-20152017
Linken-mkz -2013~2016	LINKEN-MKZ-2013~2016
Land Wind - Mode -20062011	LUFENG-FENGSHANG-20062011
Lufeng-x5-2013 ~2016	LUFENG-X5-2013~2016
Lufeng-x6-2006 ~2011	LUFENG-X6-2006~2011
Land Wind -X7-2015	LUFENG-X7-2015
Land Wind -X8-2009~2015	LUFENG-X8-2009~2015
Land Rover -- Discovery -- 2010~2016	LUHU-FAXIAN-2010~2016
Land Rover -- Discovery -- 20162017	LUHU-FAXIANSHENXING-20162017
Land Rover - Range Rover -2011- Sport	LUHU-LANSHENG-2011-YUNDONG
Land Rover - Range Rover -2012	LUHU-LANSHENG-2012
Land Rover - Range Rover -2014~2017	LUHU-LANSHENG-2014~2017
Land Rover - Range Rover -2014~2017- Sport	LUHU-LANSHENG-2014~2017-YUNDONG
Land Rover - Range Rover Evoque -2012~2017	LUHU-LANSHENGJIGUANG-2012~2017
Land Rover - Range Rover Sport -2010	LUHU-LANSHENGYUNDONGBAN-2010
Land Rover - Godwalker 2-2010~2015	LUHU-SHENXINGZHE2-2010~2015
Maserati -GHIBLI-2014~2017	MASHALADI-GHIBLI-2014~2017
Maserati -GRANTURISMO-2013	MASHALADI-GRANTURISMO-2013

Type of car	Model code
Maserati -LEVANTE-2016	MASHALADI-LEVANTE-2016
Maserati - President -2008~2011	MASHALADI-ZONGCAI-2008~2011
Maserati - President -2013~2015	MASHALADI-ZONGCAI-2013~2015
Mazda-2-2007 ~2012- Hatchback	MAZIDA-2-2007~2012-LIANGXIANG
Mazda-2 Jinxiang -2008	MAZIDA-2JINXIANG-2008
Mazda-3-2003	MAZIDA-3-2003
Mazda-3-20042005	MAZIDA-3-20042005
Mazda-3-2006 ~2012	MAZIDA-3-2006~2012
Mazda-323-2005	MAZIDA-323-2005
Mazda-3 Encore -20142016- Hatchback	MAZIDA-3ANGKESAILA-20142016-LIANGXIANG
Mazda-3 Xingcheng -- 20112013	MAZIDA-3XINGCHENG-20112013
Mazda-3 XingCheng-2015 - Hatchback	MAZIDA-3XINGCHENG-2015-LIANGXIANG
Mazda-5-2008	MAZIDA-5-2008
Mazda-5 -2010~2013	MAZIDA-5-2010~2013
Mazda-6-2004 ~2008	MAZIDA-6-2004~2008
Mazda-6-20092011 - Imported	MAZIDA-6-20092011-JINKOU(MAZIDA-RUIYI-2009~2015)
Mazda-8-2011	MAZIDA-8-2011
Mazda-ATEzi-2014-20172018	MAZIDA-ATEZI-2014-20172018
Mazida-axela axela -- 2014	MAZIDA-AXELAANGKESAILA-2014
Mazida -axela Axela -2017	MAZIDA-AXELAANGKESAILA-2017
Mazda -CX4-20162018	MAZIDA-CX4-20162018
Mazda -CX5-20132015	MAZIDA-CX5-20132015
Mazda -CX5-2017	MAZIDA-CX5-2017
Mazda -CX7-2014	MAZIDA-CX7-2014
Mazda - Pulma -2006	MAZIDA-PULIMA-2006
Mazda - Rui Wing -2009~2015- Coupe	MAZIDA-RUIYI-2009~2015-JIAOPAO
Mazida-RX8-2014	MAZIDA-RX8-2014
MG-3-20132014	MG-3-20132014
MG-3SW-20152016	MG-3SW-20152016
MG-5-2012	MG-5-2012

Type of car	Model code
MG-6-2012	MG-6-2012
Mg-mg 7-2007~2010	MG-MINGJUE7-2007~2010
Mg-reiten -- 20152016	MG-RUITENG-20152016
Mg-ruiteng -- 2014~2016	MG-RUIXING-2014~2016
Mini -CLUBMAN-2013	MINI-CLUBMAN-2013
Mini -COOPER-2010	MINI-COOPER-2010
Mini -COOPER-2012	MINI-COOPER-2012
Mini -COOPER-2014~2017	MINI-COOPER-2014~2017
Mini -COUNTRYMAN-2011	MINI-COUNTRYMAN-2011
Mini -COUNTRYMAN-2016	MINI-COUNTRYMAN-2016
Natjet - Big 7SUV-2011201320142015	NAZHIJIE-DA7SUV-2011201320142015
Nazhijie -MASTERCEO-2013	NAZHIJIE-MASTERCEO-2013
Nazhijie -NA5-2015	NAZHIJIE-NA5-2015
Nazhijie-you6suv -2014~2016	NAZHIJIE-YOU6SUV-2014~2016
Opel-merina -2006	OUBAO-MAIRUINA-2006
Opel-jart -2007~2010	OUBAO-YATE-2007~2010
Acura -MDX-20072009	OUGE-MDX-20072009
Acura -MDX-2010	OUGE-MDX-2010
Kai Chen - Morrowind -2014	QICHEN-CHENFENG-2014
Qichen -D50-2014	QICHEN-D50-2014
Qichen -R50-2012~2015	QICHEN-R50-2012~2015
Qichen -T70X-2015	QICHEN-T70X-2015
Chery -A1-2007~2011	QIRUI-A1-2007~2011
Chery -A3-2008~2012	QIRUI-A3-2008~2012
Chery -A3-2009~2012- Three-car	QIRUI-A3-2009~2012-SANXIANG
Qiri-irizer 3-2015	QIRUI-AIRUIZE3-2015
Chery - Airuize3 -2013	QIRUI-AIRUIZE7-2013
Chery - Airuize7E-2016	QIRUI-AIRUIZE7E-2016
Chery - Airuize7E -2015	QIRUI-AIRUIZEM7-2015
Chery - Son of the East -2006	QIRUI-DONGFANGZHIZI-2006

Type of car	Model code
Chery - Son of the East CROSS-2009	QIRUI-DONGFANGZHIZICROSS-2009
Chery -- E3-20132015	QIRUI-E3-20132015
Chery -E5-2014	QIRUI-E5-2014
Qirui - Fengyun 2-20	QIRUI-FENGYUN2-20
Qirui - Fengyun2-2010	QIRUI-FENGYUN2-2010
Qirui-fengyun2-2013 ~2016	QIRUI-FENGYUN2-2013~2016
Chery -- Qiyun -- 2006	QIRUI-QIYUN-2006
Chery - Qiyun 1-2010~2012	QIRUI-QIYUN1-2010~2012
Chery - Qiyun2	QIRUI-QIYUN2-
Chery - Qiyun2 -212	QIRUI-QIYUN2-2012
Chery - Qiyun3-2010	QIRUI-QIYUN3-2010
Chery -QQ-2013	QIRUI-QQ-2013
Chery -QQ3-2004~2012	QIRUI-QQ3-2004~2012
Chery -QQ6-2007~2010	QIRUI-QQ6-2007~2010
Chery - Tigress -2011~2013	QIRUI-RUIHU-2011~2013
Chery - Ruihu 3-2009	QIRUI-RUIHU3-2009
Chery - Ruihu3-20142015	QIRUI-RUIHU3-20142015
Chery - Ruihu5-20142015	QIRUI-RUIHU5-20142015
Chery - Ruihu5-20162017	QIRUI-RUIHU5-20162017
Chery -- Youjin -- 20102012	QIRUI-YOUJIN-20102012
Kia - Furedi -2009~2012	QIYA-FURUIDI-2009-2012
Kia - Furuidi -2014	QIYA-FURUIDI-2014
Kia - Ka Wah -2006	QIYA-JIAHUA-2006
Kia - Jiahua -2005	QIYA-JIALE-2005
Kia - Jiale -2007	QIYA-JIALE-2007
Kia - Jiale -2013	QIYA-JIALE-2013
Kia -K2-2012	QIYA-K2-2012
Kia-k2-2012 - Hatchback	QIYA-K2-2012-LIANGXIANG
Kia -K2-2015	QIYA-K2-2015
Kia-K3-2013	QIYA-K3-2013

Type of car	Model code
Kia-K3-2016	QIYA-K3-2016
Kia-K4-2017	QIYA-K4-2017
Kia-K5-20112012	QIYA-K5-20112012
Kia-K5-20142015	QIYA-K5-20142015
Kia-K5-2016	QIYA-K5-2016-LUX
Kia-K5-2016	QIYA-K5-2016-PRM
Kia -KX3-2015	QIYA-KX3-2015
Kia-opheles -2004	QIYA-OUFEILAISI-2004
Kia - Reio -2007	QIYA-RUIOU-2007
Chia-cerato -20052010	QIYA-SAILATU-20052010
Chia-cerato -20082012	QIYA-SAILATU-20082012
Kiya - Sportage -2013200920112012	QIYA-SHIPAO-2013200920112012
Kia - Sorento -2012	QIYA-SUOLANTUO-2012
Kia - Suor -2010~2013	QIYA-XIOUER-2010~2013
Kia - Far Ship -2005	QIYA-YUANJIAN-2005
Kia - Zhirun -2011~2015	QIYA-ZHIPAO-2011~2015
Global Hawk -GC7-20122013	QUANQIUYING-GC7-20122013
Global Hawk -GX2-2012	QUANQIUYING-GX2-2012
Global Hawk -GX7-20122013	QUANQIUYING-GX7-20122013
Global Hawk -GX7-2015	QUANQIUYING-GX7-2015
Global Hawk -K17A-2016	QUANQIUYING-K17A-2016
Global Hawk - Panda -20102016	QUANQIUYING-XIONGMAO-20102016
Global Hawk -- Freedom Ship -- 20112012	QUANQIUYING-ZIYOUJIAN-20112012
Nissan -- Mien -- 2004	RICHAN-FENGDU-2004
Nissan - Qeshi -2011~2015	RICHAN-GUISHI-2011~2015
Nissan - Energizer -2017	RICHAN-JINKE-2017
Nissan - Bluebird -2000- Import	RICHAN-LANNIAO-2000-JINKOU
Nissan - Blue Jays -2004	RICHAN-LANNIAO-2004
Nissan - Blue Bird -2004- Supreme	RICHAN-LANNIAO-2004-ZHIZUN
Nissan - Bluebird -2016	RICHAN-LANNIAO-2016

Type of car	Model code
Nissan-lixil -20072010	RICHAN-LIWEI-20072010
Nissan-liwei -20082009	RICHAN-LIWEI-20082009
Nissan - Liwei -2013	RICHAN-LIWEI-2013
Nissan - Liwei -2015	RICHAN-LIWEI-2015
Nissan - Loulan -2015~2017	RICHAN-LOULAN-2015~2017
Nissan-marche -2010	RICHAN-MACHI-2010
Nissan -NV200-2010~2014	RICHAN-NV200-2010~2014
Nissan - Paladin -2004~2013	RICHAN-PALADING-2004~2013
Nissan-versa -20052006	RICHAN-QIDA-20052006
Nissan-versa -2008	RICHAN-QIDA-2008
Nissan-versa -2011~2014	RICHAN-QIDA-2011~2014
Nissan-versa -2016	RICHAN-QIDA-2016
Nissan - Qjun -200820102012	RICHAN-QIJUN-200820102012
Nissan -- Qijun -- 2014~2017	RICHAN-QIJUN-2014~2017
Nissan -- Ruiqi -- 2010	RICHAN-RUIQI-2010
Nissan - Shuai -2013	RICHAN-SHUAIKE-2013
Nissan - Teana -2004	RICHAN-TIANLAI-2004
Nissan - Teana -2008	RICHAN-TIANLAI-2008
Nissan - Teana -2008	RICHAN-TIANLAI-2008-XV
Nissan-teana -20102012	RICHAN-TIANLAI-20102012
Nissan - Teana -20112012	RICHAN-TIANLAI-20112012-XV
Nissan - Teana -2013~2015	RICHAN-TIANLAI-2013~2015
Nissan - Teana -2016	RICHAN-TIANLAI-2016
Nissan - Qashqai -2008	RICHAN-XIAOKE-2008
Nissan - Qashqai -2016	RICHAN-XIAOKE-2016
Nissan -- Sylphy -- 2006~2008	RICHAN-XUANYI-2006~2008
Nissan-xuyi -- 20092012	RICHAN-XUANYI-20092012-JINGDIAN
Nissan -- Xuyi -- 20122014	RICHAN-XUANYI-20122014
Nissan -- Xuyi -- 2016	RICHAN-XUANYI-2016
Nissan -- Sunshine -- 2003	RICHAN-YANGGUANG-2003

Type of car	Model code
Nissan -- Yangguang -- 2004	RICHAN-YANGGUANG-2004
Nissan -- Yangguang -- 2005	RICHAN-YANGGUANG-2005
Nissan -- Yangguang -- 2011~2015	RICHAN-YANGGUANG-2011~2015
Nissan -- Yida -- 2005	RICHAN-YIDA-2005
Nissan - Yida -2008	RICHAN-YIDA-2008
Nissan -ZN Van Pickup -2006	RICHAN-ZNXIANGSHICHE-2006
Roewe -350-2011~2014	RONGWEI-350-2011~2014
Rongwei-550-2008 ~2012	RONGWEI-550-2008~2012
Rongwei-550-20132014	RONGWEI-550-20132014(RONGWEI-E550-2016)
Roewe-750-2006 ~2010	RONGWEI-750-2006~2010
Rongwei-950-2015	RONGWEI-950-2015
Roewe -EI6-2017	RONGWEI-EI6-2017
Roewe-I6-20172018	RONGWEI-I6-20172018
Roewe-RX5-2016	RONGWEI-RX5-2016
Roewe-W5-20112013	RONGWEI-W5-20112013
Riich G5-2010~2012	RUIQI-G5-2010~2012
Ruiqi-X1-2012	RUIQI-X1-2012
Saab-Saab-9-2004	SABO-SAAB9-2004
Sabo-saab 95-2006	SABO-SAAB95-2006
Sabo-saad 9-2010	SABO-SAAD9-2010
Mitsubishi -- ASX Jinxuan -- 20112012	SANLING-ASXJINXUAN-20112012-JINKOU
Mitsubishi - Fengdith -2013	SANLING-FENGDISI-2013
Mitsubishi - Furica -2007	SANLING-FULIKA-2007
Mitsubishi - Golan -2009	SANLING-GELAN-2009
Mitsubishi - Grandi -2004~2009	SANLING-GELANDI-2004~2009
Mitsubishi - Jinhyun ASX-20112012	SANLING-JINXUANASX-20112012
Mitsubishi - Jinxuan ASX-20132015	SANLING-JINXUANASX-20132015
Mitsubishi - Jinxuan ASX-2018	SANLING-JINXUANASX-2018
Mitsubishi - Junkaku -2008	SANLING-JUNGE-2008
Mitsubishi - Junge -20082011	SANLING-JUNGE-20082011

Type of car	Model code
Mitsubishi - Lancer -2006	SANLING-LANSE-2006
Mitsubishi - Johnson -2004~2006	SANLING-LINGSHEN-2004~2006
Mitsubishi - Rhombus -2005	SANLING-LINGSHUAI-2005
Mitsubishi - Outlander -20042005	SANLING-OULANDE-20042005
Mitsubishi - Outlander -2007~2009	SANLING-OULANDE-2007~2009
Mitsubishi - Outlander -20132014	SANLING-OULANDE-20132014
Mitsubishi - Outlander -2016	SANLING-OULANDE-2016
Mitsubishi - Pajero -1996- Import	SANLING-PAJIELUO-1996-JINKOU
Mitsubishi - Pajieluo -2007~2011	SANLING-PAJIELUO-2007~2011-JINKOU
Mitsubishi - Pajieluo -2008	SANLING-PAJIELUO-2008
Mitsubishi - Pajieluo -2011	SANLING-PAJIELUO-2011
Mitsubishi -V5 Rhombochi -20152017	SANLING-V5LINGZHI-20152017
Mitsubishi -- Winged God -- 2010~2015	SANLING-YISHEN-2010~2015
SCION-FRS-20132016	SCION-FRS-20132016
Saic Maxus -G10-2013~2016	SHANGQIDATONG-G10-2013~2016
Shangqidatong-v80-2014 ~2017	SHANGQIDATONG-V80-2014~2017
Shangqidatong - Aiteng -20062007	SHUANGLONG-AITENG-20062007
Shuanglong -- Chairman -- 2004	SHUANGLONG-ZHUXI-2004
Subaru -- Outtiger -- 2010~2014	SIBALU-AOHU-2010~2014
Subaru - Aohu -2015~2017	SIBALU-AOHU-2015~2017
Subaru - Chipeng -20072008	SIBALU-CHIPENG-20072008
Subaru - Lion -2006	SIBALU-LISHI-2006
Subaru - Lishi -2010	SIBALU-LISHI-2010
Subaru - Lishi -2013	SIBALU-LISHI-2013
Subaru - Forester -20062007	SIBALU-SENLINREN-20062007
Subaru - Forester -2008~2012	SIBALU-SENLINREN-2008~2012
Subaru - Forester -2013~2017	SIBALU-SENLINREN-2013~2017
Subaru -XV-2012~2016	SIBALU-XV-2012~2016
Skoda -- Hao Rui -- 2009~2013	SIKEDA-HAORUI-2009~2013
Skoda -- Jingrui -- 2008~2011	SIKEDA-JINGRUI-2008~2011

Type of car	Model code
Skoda -- Jingrui -- 20122014	SIKEDA-JINGRUI-20122014
Skoda - Kodiak -20172018	SIKEDA-KEDIYAKE-20172018
Skoda -- Octavia -- 2007~2009	SIKEDA-MINGRUI-2007~2009
Skoda - Octavia -2010~2015	SIKEDA-MINGRUI-2010~2015
Skoda - Octavia -2016	SIKEDA-MINGRUI-2016
Skoda - Superpie -20162018	SIKEDA-SUPAI-20162018
Skoda - Rapid -20142016	SIKEDA-XINDONG-20142016
Skoda -- Xindong -- 2013~2016	SIKEDA-XINRUI-2013~2016
Skoda - Noti -2013	SIKEDA-YETI-2013-JINKOU
Skoda - Yeti -2014~2017	SIKEDA-YETI-2014~2017
Sikeda-yeti -20162017	SIWEI-X7-20162017
Smart -FORJEREMY-2013	SMART-FORJEREMY-2013
Smart -FORTWO-2009 to 2014	SMART-FORTWO-2009~2014
Smart -FORTWO-20162017	SMART-FORTWO-20162017
Denza - Denza -2017	TENGSHI-TENGSHI-2017
Tesla -MODELS-20142015	TESILA-MODELS-20142015
Tesla-ModelX-2016	TESILA-MODELX-2016
Volvo-C70-2008	WOERWO-C70-2008
Volvo-s40-2004 ~2006	WOERWO-S40-2004~2006
Volvo-s40-2007 ~2012	WOERWO-S40-2007~2012
Volvo-s60-2011 ~2014	WOERWO-S60-2011~2014
Volvo-s60l-2014 ~2014	WOERWO-S60L-2014~2017
Volvo-S80-2004	WOERWO-S80-2004
Volvo-S80-2006	WOERWO-S80-2006
Volvo-s80l-2009 ~2015	WOERWO-S80L-2009~2015
Volvo-S90L-2017	WOERWO-S90L-2017
Volvo-V40-201320152016	WOERWO-V40-201320152016
Volvo-v60-2011 ~2013	WOERWO-V60-2011~2013
Volvo-v60-2014 ~2016	WOERWO-V60-2014~2016
Volvo-xc60-2011 - Imported	WOERWO-XC60-2011-JINKOU

Type of car	Model code
Volvo-XC60-20152016	WOERWO-XC60-20152016(WOERWO-XC60-20142015-JINKOU)
Volvo-xc90-2007 ~2013	WOERWO-XC90-2007~2013
Wuling-hongtu -- 2009	WULING-HONGTU-2009
Wuling -- Wuling Hongguang -- 20102013	WULING-WULINGHONGGUANG-20102013
Wuling -- Wuling Hongguang -- 2013~2015	WULING-WULINGHONGGUANG-2013~2015
Wuling - Wuling Hongguang -2015	WULING-WULINGHONGGUANG-2015
Wuling - Wuling Hongguang -2016	WULING-WULINGHONGGUANG-2016
Wuling -- Wuling Rongguang -- 20112012	WULING-WULINGRONGGUANG-20112012
Wuling - Wuling Rongguang -20142015	WULING-WULINGRONGGUANG-20142015
Wuling - Wuling Rongguang V-2015	WULING-WULINGRONGGUANGV-2015
Wuling - Wuling Journey -2015	WULING-WULINGZHENGCHENG-2015
Wuling - Wuling Zhiguang -2005	WULING-WULINGZHIGUANG-2005
Wuling - Wuling Zhiguang -2010	WULING-WULINGZHIGUANG-2010-BIAOZHUN
Wuling - Wuling Zhiguang -2010	WULING-WULINGZHIGUANG-2010-SHIYONG
Wuling - Wuling Zhiguang -201020132014	WULING-WULINGZHIGUANG-201020132014
Isuzu -MU-2015	WUSHILING-MU-2015
Isuzu - Pickup -2009	WUSHILING-PIKA-2009
Hyundai - Fex -2015	XIANDAI-FEISI-2015-JINKOU
Xiandai - Grui -201320152016	XIANDAI-GERUI-201320152016
Xiandai-I30-2009	XIANDAI-I30-2009
Hyundai -IX25-2014~2015	XIANDAI-IX25-2014~2015
Hyundai -IX35-2010~2015	XIANDAI-IX35-2010~2015
Hyundai -IX35-20132015	XIANDAI-IX35-20132015
Hyundai - Genesis -20152016	XIANDAI-JIEENSI-20152016
Hyundai - Genesis 380GT-20062008	XIANDAI-JIEENSI380GT-20062008
Hyundai - Coolpad -2004	XIANDAI-KUPAI-2004
Hyundai - Langdong -2012201320152016	XIANDAI-LANGDONG-2012201320152016
Hyundai - Genesis Coolpad -20092010	XIANDAI-LAOENSIKUPAI-20092010-JINKOU
Xiandai - Leading -2016	XIANDAI-LINGDONG-2016
Hyundai -- Lingxiang -- 2009	XIANDAI-LINGXIANG-2009

Type of car	Model code
Hyundai - Meijia -2005	XIANDAI-MEIJIA-2005
Hyundai - Mingtu -201320142017	XIANDAI-MINGTU-201320142017
Hyundai - Mingtu -2009	XIANDAI-MINGYU-2009
Hyundai - Brand New Shengda -20132015	XIANDAI-QUANXINSHENGDA-20132015
Hyundai - All-New Tucson -2006	XIANDAI-QUANXINTUSHENG-2006
Hyundai - All-New Tucson -2015	XIANDAI-QUANXINTUSHENG-2015
Xiandai - Rui Feng -20032011	XIANDAI-RUIFENG-20032011
Hyundai - Ruina -20102014	XIANDAI-RUINA-20102014
Hyundai - Rui Yi -2014	XIANDAI-RUIYI-2014
Hyundai - Shengda -2011	XIANDAI-SHENGDA-2011
Hyundai - Santa Fe -2005	XIANDAI-SHENGDAFEI-2005-JINKOU
Hyundai - Sonata -20062008	XIANDAI-SUONATA-20062008
Hyundai - Sonata 8-2010~2015	XIANDAI-SUONATA8-2010~2015
Hyundai - Sonata 9-20152017	XIANDAI-SUONATA9-20152017
Hyundai - Tucson -20062009	XIANDAI-TUSHENG-20062009
Hyundai - Tucson -2013	XIANDAI-TUSHENG-2013
Hyundai - Tucson -2015	XIANDAI-TUSHENG-2015
Hyundai -Veloster - Tusheng -2015	XIANDAI-VELOSTERFEISI-2015
Xiandai - Velax -2009	XIANDAI-WEILAKESI-2009
Hyundai - New Shengda -2006	XIANDAI-XINSHENGDA-2006
Hyundai -- Xinshengda -- 2010~2012	XIANDAI-XINSHENGDA-2010~2012
Hyundai -- Xinshengda -- 20132015	XIANDAI-XINSHENGDA-20132015
Hyundai - Accent -20062008	XIANDAI-YASHENTE-20062008
Hyundai - Elantra -20042005	XIANDAI-YILANTE-20042005
Xiandai - Yilante -2007	XIANDAI-YILANTE-2007
Xiandai - Yilante -2011	XIANDAI-YILANTE-2011
Xiandai-yilante -- 20082010	XIANDAI-YUEDONG-20082010
Hyundai - Yuedong -201120152016	XIANDAI-YUEDONG-201120152016
Hyundai - Yue Moving-2017	XIANDAI-YUEDONG-2017
Hyundai - Yuedong -2016	XIANDAI-YUENA-2016

Type of car	Model code
Hyundai - Yuxiang -2006	XIANDAI-YUXIANG-2006
Chevrolet -- Aveo -- 20112013	XUEFULAN-AIWEIOU-20112013-SANXIANG
Chevy - Aiweiou -2014	XUEFULAN-AIWEIOU-2014-SANXIANG
Chevy - Chuangku -20142016	XUEFULAN-CHUANGKU-20142016
Chevy - Chuangku -2017	XUEFULAN-CHUANGKU-2017
Xuefulan - Vista -20052006	XUEFULAN-JINGCHENG-20052006
Chevy - Vista -2007~2013	XUEFULAN-JINGCHENG-2007~2013
Chevy Cruze -2009~2014	XUEFULAN-KELUZI-2009~2014
Chevy - Cruz -20132015	XUEFULAN-KELUZI-20132015-XIANBEI
Chevy - Cruze -2015	XUEFULAN-KELUZI-2015-JINGDIAN
Chevy - Cruze -20152016	XUEFULAN-KELUZI-20152016
Chevy - Cruze -20172018	XUEFULAN-KELUZI-20172018
Xuefulan-keluzi -20082010	XUEFULAN-KEPAQI-20082010-JINKOU
Xuefulan-kepaqi -2012~2014	XUEFULAN-KEPAQI-2012~2014
Chevrolet - Aveo -2005	XUEFULAN-LECHENG-2005
Chevrolet - Aveo -20082010	XUEFULAN-LECHENG-20082010
Chevy - Lecheng -2010	XUEFULAN-LECHI-2010
Xuefulan - Lechi -2006~2008	XUEFULAN-LEFENG-2006~2008
Chevy - Lefeng -20092010	XUEFULAN-LEFENG-20092010
Chevrolet Malibu -- 2012~2014	XUEFULAN-MAIRUIBAO-2012~2014
Chevrolet - Malibu -20162017	XUEFULAN-MAIRUIBAO-20162017
Chevrolet - Malibu XL-20162017	XUEFULAN-MAIRUIBAOXL-20162017
Chevy - Sail -20042005	XUEFULAN-SAIOU-20042005
Xuefulan-saiou -20102013	XUEFULAN-SAIOU-20102013-LIANGXIANG
Xuefulan-saiou -- 2010~2013	XUEFULAN-SAIOU-2010~2013
Xuefulan-saiou -2015	XUEFULAN-SAIOU-2015
Xuefulan - Surveyor -2017	XUEFULAN-TANJIEZHE-2017
Citroen - Elysee -20052007	XUETIELONG-AILISHE-20052007
Citroen - Elysee -20082010~2013	XUETIELONG-AILISHE-20082010~2013
Citroen - Elysee -2009- Hatchback	XUETIELONG-AILISHE-2009-LIANGXIANG

Type of car	Model code
Citroen - Elysee -2014~2016	XUETIELONG-AILISHE-2014~2016
Citroen - Picasso -2007	XUETIELONG-BIJIASUO-2007
Citroen -C2-2008~2012	XUETIELONG-C2-2008~2012
Citroen -C3XR-20152017	XUETIELONG-C3XR-20152017
Citroen -C4-2006	XUETIELONG-C4-2006
Citroen -C4L-2013~2015	XUETIELONG-C4L-2013~2015
Citroen -C5-2010~2012	XUETIELONG-C5-2010~2012
Citroen -C5-20132014	XUETIELONG-C5-20132014
Citroen - Fukan -2004~2007	XUETIELONG-FUKANG-2004~2007
Citroen - Triumph -2006~2011	XUETIELONG-KAIXUAN-2006~2011
Citroen - Sega -2008~2011- Hatchback	XUETIELONG-SHIJIA-2008~2011-LIANGXIANG
Citroen - Sega -2012~2016- Sanxiang	XUETIELONG-SHIJIA-2012~2016-SANXIANG
Citroen - Tiat -2017	XUETIELONG-TIANYI-2017
Infiniti -EX35-2008	YINGFEINIDI-EX35-2008
Infiniti -FX-2009	YINGFEINIDI-FX-2009
Infiniti -G37-2012	YINGFEINIDI-G37-2012-IPL
Infiniti -G series -2010~2013	YINGFEINIDI-GXI-2010~2013
Infiniti -JX-20112013	YINGFEINIDI-JX-20112013
Infiniti -M-2011~2013	YINGFEINIDI-M-2011~2013
Infiniti -M35-20082009	YINGFEINIDI-M35-20082009
Infiniti -Q50L-20152016	YINGFEINIDI-Q50L-20152016
Infiniti -Q70L-2013	YINGFEINIDI-Q70L-2013
Infiniti -Q70L-20152017	YINGFEINIDI-Q70L-20152017
Infiniti -QX50-2015	YINGFEINIDI-QX50-2015
Infiniti -QX60-2014	YINGFEINIDI-QX60-2014
Infiniti -QX70-2013~2016	YINGFEINIDI-QX70-2013~2016
Yingfeinidi -- Seascape -- 2010~2012	YINGLUN-HAIJING-2010~2012
Yinglun-king Kong -2011~2013	YINGLUN-JINGANG-2011~2013
Yinglun-jingang -2014	YINGLUN-JINGANG-2014-CROSS
Yinglun-Jingang-20142015	YINGLUN-JINGANG-20142015

Type of car	Model code
Yinglun-SX7-2013	YINGLUN-SX7-2013
Faw-pentium B30 -- 2014~2017	YIQI-BENTENGB30-2014~2017
Faw - Pentium B50-20122013	YIQI-BENTENGB50-20122013
Faw-pentium B50-20162018	YIQI-BENTENGB50-20162018
Faw-pentium B70-2011	YIQI-BENTENGB70-2011
Faw-pentium B70-2012	YIQI-BENTENGB70-2012
Faw-pentium B70-2014	YIQI-BENTENGB70-2014
Faw-pentium X80-2013~2016	YIQI-BENTENGX80-2013~2016
Faw-jiabao v70-2012	YIQI-JIABAOV70-2012
Faw-jiabao v80-2013	YIQI-JIABAOV80-2013
Faw-junpai d60-2015	YIQI-JUNPAID60-2015
Faw-senya M80-2009~2014	YIQI-SENYAM80-2009~2014
Faw-senya S80-2011~2014	YIQI-SENYAS80-2011~2014
Faw-senya S80-2015	YIQI-SENYAS80-2015
Faw-wilo -2004	YIQI-WEILE-2004
FAW-Weile-20082011	YIQI-WEIZHI-20082011
FAW-Weizhi-20092011	YIQI-WEIZHI-20092011-SANXIANG
FAW-Xiali-2006	YIQI-XIALI-2006
Iveco - Baodi -20122013	YIWEIKE-BAODI-20122013
Iveco - Triumphant -2009	YIWEIKE-DEYI-2009
Iveco - Deyi -20122014	YIWEIKE-DEYI-20122014
Iveco - Torino -2009	YIWEIKE-DULING-2009
Iveco -turbodaily-2011	YIWEIKE-TURBODAILY-2011
Yu Sheng-S350-2013 ~2016	YUSHENG-S350-2013~2016
Zhonghua -H230-2012	ZHONGHUA-H230-2012
Zhonghua-H330-2013	ZHONGHUA-H330-2013
China -H530-20112012	ZHONGHUA-H530-20112012
Zhonghua-h530-2014 ~2017	ZHONGHUA-H530-2014~2017
Zhonghua-junjie -- 20072010	ZHONGHUA-JUNJIE-20072010
Zhonghua-junjie CROSS-2010	ZHONGHUA-JUNJIECROSS-2010

Type of car	Model code
Zhonghua - Junjiecross -20082009	ZHONGHUA-JUNJIEFRV-20082009
Zhonghua - JunjieFRV -2010	ZHONGHUA-JUNJIEFRV-2010
Zhonghua-junjiefrv -2009~2010	ZHONGHUA-JUNJIEFSV-2009~2011
Zhonghua-kubo -2007	ZHONGHUA-KUBAO-2007
China -V3-20152016	ZHONGHUA-V3-20152016
Zhonghua-V5-2012	ZHONGHUA-V5-2012
Zhonghua - Zunchi -2004~2008	ZHONGHUA-ZUNCHI-2004~2008
Zhonghua-zunchi 20092011	ZHONGHUA-ZUNCHI-20092011
Zhongshun - Century -2006	ZHONGSHUN-SHIJI-2006
Zhongshun - Shiji -2006	ZHONGSHUN-SHIJI-2006-2
Zhongtai -5008-2010	ZHONGTAI-5008-2010
Zotye - Damai X5-2015~2017	ZHONGTAI-DAMAIX5-2015~2017
Zotye -E20-2014	ZHONGTAI-E20-2014
Zhongtai-e200-2014 ~2017	ZHONGTAI-E200-2014~2017
Zhongtai-M300-20092010	ZHONGTAI-M300-20092010
Zhongtai-SR9-2017	ZHONGTAI-SR9-2017
Zhongtai-t600-2014 ~2017	ZHONGTAI-T600-2014~2017
Zhongtai-T600-2018	ZHONGTAI-T600-2018
Zhongtai-V10-20112012	ZHONGTAI-V10-20112012
Zhongtai-Z100-2013	ZHONGTAI-Z100-2013
Zotye -Z300-2012~2014	ZHONGTAI-Z300-2012~2014
Zhongtai-Z300-2016	ZHONGTAI-Z300-2016
Zhongtai-Z500-20152016	ZHONGTAI-Z500-20152016(ZHONGTAI-Z560-2017)
Zhongzing-C3-20132014	ZHONGXING-C3-20132014

7.1.6 Blue Brand Bayonet Car Model

Type of vehicle	Car model code
Alfa Romeo-GiuliA-2017	AERFALUOMIOU-GIULIA-2017
Alfa Romeo -STELIO-2017	AERFALUOMIOU-STELIO-2017
Audi -A1-20132014	AODI-A1-20132014

Type of vehicle	Car model code
Audi -A3-2010	AODI-A3-2010
Audi -A3-2012-JINKOU	AODI-A3-2012-JINKOU
Audi -A3-2014~2016-SPORTBACK	AODI-A3-2014~2016-SPORTBACK
Audi -A3-2015	AODI-A3-2015
Audi -A3-2017	AODI-A3-2017
Audi -A3-2017-LIMOUSINE	AODI-A3-2017-LIMOUSINE
Audi -A3-20172018	AODI-A3-20172018
Audi -A4-20062008	AODI-A4-20062008
Audi -A4-2007	AODI-A4-2007
Audi -A4L-201020112012	AODI-A4L-201020112012
Audi -A4L-201320152016	AODI-A4L-201320152016
Audi -A4L-2017	AODI-A4L-2017
Audi -A4QUATTRO-2017	AODI-A4QUATTRO-2017
Audi -A5-20082010	AODI-A5-20082010
Audi -A5-2012~2016-CABRIOLET	AODI-A5-2012~2016-CABRIOLET
Audi -A5-2017	AODI-A5-2017
Audi -A6-2004	AODI-A6-2004
Audi -A6L-200520062008	AODI-A6L-200520062008
Audi -A6L-2009~2011	AODI-A6L-2009~2011
Audi -A6L-2012~2016	AODI-A6L-2012~2016
Audi -A6L-20162017	AODI-A6L-20162017
Audi -A7-2012~2014	AODI-A7-2012~2014
Audi -A7-2017	AODI-A7-2017
Audi -A8-2008~2010	AODI-A8-2008~2010
Audi -A8-20112012	AODI-A8-20112012
Audi -A8-20122013	AODI-A8-20122013
Audi -A8-201420162017	AODI-A8-201420162017
Audi -A8L-20112012	AODI-A8L-20112012
Audi -A8L-201420162017	AODI-A8L-201420162017
Audi -Q3-20132015	AODI-Q3-20132015

Type of vehicle	Car model code
Audi -Q3-20162017	AODI-Q3-20162017
Audi -Q5-20102012	AODI-Q5-20102012
Audi -Q5-20132015	AODI-Q5-20132015
Audi -Q7-20062007	AODI-Q7-20062007
Audi -Q7-2010~2015	AODI-Q7-2010~2015
Audi -Q7-2016	AODI-Q7-2016
Audi -Q7 New Energy -2017	AODI-Q7XINNENGYUAN-2017
Audy-r8-2010 ~2013	AODI-R8-2010~2013
Audi -RS3-2016	AODI-RS3-2016
Audi -RS4-20132014	AODI-RS4-20132014
Audi RS5-2011	AODI-RS5-2012~2014
Audi -RS5-2014	AODI-RS5-2014
Audi -RS6-2016	AODI-RS6-2016
Audi -RS7-2014~2016	AODI-RS7-2014~2016
Audi -RSQ3-2012	AODI-RSQ3-2012
Audy-S3-2009	AODI-S3-2009
Audi -S3-2015	AODI-S3-2015
Audi -S3-2017	AODI-S3-2017
Audi S4-2008	AODI-S4-2008
Audi -S4-2013	AODI-S4-2013
Audi -S5-2010	AODI-S5-2010
Audi -S5-20122015	AODI-S5-20122015
Audi -SQ5-2017	AODI-SQ5-2017
Audy-tt-2008 ~2012	AODI-TT-2008~2012
Audis -TT-2013~2015	AODI-TT-2013~2015
Audy-TT-2017	AODI-TT-2017
Oxin -JAX5020XXCBEV-2015	AOXIN-JAX5020XXCBEV-2015
Aston Martin -RAPIDE-2010	ASIDUNMADING-RAPIDE-2010
Aston Martin -VANTAGE-2011	ASIDUNMADING-VANTAGE-2011
Babos - G-class -2013	BABOSI-GJI-2013

Type of vehicle	Car model code
Bao Jun-310-2016	BAOJUN-310-2016
Baojun-510-2017	BAOJUN-510-2017
Bao Jun-560-20152016	BAOJUN-560-20152016
Bao Jun-610-2014	BAOJUN-610-2014
Bao Jun-630-2011 ~2014	BAOJUN-630-2011~2014
Baojun-730-20142015	BAOJUN-730-20142015
Bao Jun-730-20142015 -- BIAOZHUN	BAOJUN-730-20142015-BIAOZHUN
BaoJun-730-2016	BAOJUN-730-2016
Baojun-730-2017	BAOJUN-730-2017
Baojun-lechi -- 20102012	BAOJUN-LECHI-20102012
Bmw-116i-20122013 (BMW-120D-2012)	BAOMA-116I-20122013(BAOMA-120D-2012)
Baoma-118i-2015 ~2018	BAOMA-118I-2015~2018
Bmw-120i-200720082010 (BMW-130I-2008)	BAOMA-120I-200720082010(BAOMA-130I-2008)
BaOMa-120I-2011	BAOMA-120I-2011
Baoma-125i-2012	BAOMA-125I-2012
Baoma-1 Series -20162017	BAOMA-1XI-20162017
Baoma-1 Series M-2011	BAOMA-1XIM-2011
Baoma-220i-2016	BAOMA-220I-2016
Baoma-228I-20142015	BAOMA-228I-20142015
Baoma-2 Series -2016~2018	BAOMA-2XI-2016~2018
Bmw-2 Series M-20162017	BAOMA-2XIM-20162017
Baoma-316I-2015	BAOMA-316I-2015
Baoma-318I-2017	BAOMA-318I-2017
Baoma-320i-200520072008 (BaOMa-320I-2006 -JINKOU)	BAOMA-320I-200520072008(BAOMA-320I-2006-JINKOU)
Baoma-320i-2005 ~2008	BAOMA-320I-2005~2008
Baoma-320i-2009 ~2012(BaOMA-318I-20102011)	BAOMA-320I-2009~2012(BAOMA-318I-20102011)
BMW -320I-2015	BAOMA-320I-2015
Baoma-320igt-2013 ~2017	BAOMA-320IGT-2013~2017
BMW -320IGT-2017-M	BAOMA-320IGT-2017-M
Baoma-320li-2013 (BMW-328LI-20132014)	BAOMA-320LI-2013(BAOMA-328LI-20132014)

Type of vehicle	Car model code
BMW -320LI-2014	BAOMA-320LI-2014
BMW -320LI-2016	BAOMA-320LI-2016
Baoma-325I-2005	BAOMA-325I-2005
BaomA-330I-2013	BAOMA-330I-2013
Baoma-330LI-2017	BAOMA-330LI-2017
Baoma-335LI-201320142015	BAOMA-335LI-201320142015
BMW 420I-20142016	BAOMA-420I-20142016
BaOMA-428I-2014	BAOMA-428I-2014
Baoma-4 Series -2015~2018	BAOMA-4XI-2015~2018
Baoma-520LI-2009	BAOMA-520LI-2009
Baoma-520li-2011 (BaOMA-523LI-2012)	BAOMA-520LI-2011(BAOMA-523LI-2012)
Baoma-520li-2014 ~2017	BAOMA-520LI-2014~2017
Baoma-525I-2004	BAOMA-525I-2004
Baoma-525li -2014~2017	BAOMA-525LI-2014~2017
BMW 5 Series -1995	BAOMA-5XI-1995
Baoma-5 Series -2018	BAOMA-5XI-2018
Bmw-5 Series GT-2011~2017	BAOMA-5XIGT-2011~2017
Baoma-5 Series M-2018	BAOMA-5XIM-2018
Baoma-640i-2016	BAOMA-640I-2016
Baoma-645CI-2004	BAOMA-645CI-2004
BMW -6 Series -2013	BAOMA-6XI-2013
BMW -7 Series -1998	BAOMA-7XI-1998
BMW 7 Series -2004	BAOMA-7XI-2004
Baoma-7 Series -200520072008	BAOMA-7XI-200520072008
BMW -7 Series -2009~2012	BAOMA-7XI-2009~2012
BMW -7 Series -20132014	BAOMA-7XI-20132014
BMW -7 Series -20162017	BAOMA-7XI-20162017
BMW -7 Series -2018	BAOMA-7XI-2018
BMW -7 Series M-2018	BAOMA-7XIM-2018
BMW -I3-20162017	BAOMA-I3-20162017

Type of vehicle	Car model code
BMW -I8-2011~2017	BAOMA-I8-2011~2017
BMW -M140I-2017	BAOMA-M140I-2017
BMW -M3-2009~2013	BAOMA-M3-2009~2013
BMW -M3-2014~2017	BAOMA-M3-2014~2017
Baoma-m4-2014 ~2017	BAOMA-M4-2014~2017
Baoma-M5-2008	BAOMA-M5-2008
BMW -M5-2011~2016	BAOMA-M5-2011~2016
BMW -M6-2015	BAOMA-M6-2015
BMW -X1-20102012	BAOMA-X1-20102012
BMW -X1-20132014	BAOMA-X1-20132014
BMW -X1-20142015	BAOMA-X1-20142015
BMW -X1-20162018	BAOMA-X1-20162018
BMW -X3-2006	BAOMA-X3-2006
BMW -X3-2008	BAOMA-X3-2008
BMW -X3-20112012	BAOMA-X3-20112012
BMW -X3-2014	BAOMA-X3-2014
BMW -X3-20142016	BAOMA-X3-20142016
Baoma-X4-2014	BAOMA-X4-2014
BaOMa-X4-2014-28I	BAOMA-X4-2014-28I
BaOMa-X4M-2016	BAOMA-X4M-2016
BaOMa-X5-2004-3.0i	BAOMA - x 5-2004-3.0 I
Baoma-x5-2006 -3.0I	BAOMA - x 5-2006-3.0 I
BaOMa-X5-2008	BAOMA-X5-2008
BaOMA-X5-20092010	BAOMA-X5-20092010
BMW-X5-20112013	BAOMA-X5-20112013
BaOMA-X5-2014	BAOMA-X5-2014
BMW -X5-20142017	BAOMA-X5-20142017
BMW -X5M-2010	BAOMA-X5M-2010
BMW -X5M-2015	BAOMA-X5M-2015
BMW -X5M-2017	BAOMA-X5M-2017

Type of vehicle	Car model code
BMW -X6-20082009	BAOMA-X6-20082009
BaOMA-X6-2013	BAOMA-X6-2013
BMW -X6-2014	BAOMA-X6-2014
BaOMa-X6-2017	BAOMA-X6-2017
Baoma-z4-2005 ~2007	BAOMA-Z4-2005~2007
BMW -Z4-2009~2012	BAOMA-Z4-2009~2012
Bao Qi-Jin Qi-2015	BAOQI-JINQI-2015
Gem - Fuxing - 4102-0000	BAOSHI-FUXING4102
Porsche-718-2016	BAOSHIJIE-718-2016
Porsche-911-2010	BAOSHIJIE-911-2010
Porsche -911-20132015	BAOSHIJIE-911-20132015
Porsche-911-2015	BAOSHIJIE-911-2015
Porsche-Boxster-2006	BAOSHIJIE-BOXSTER-2006
Porsche -BOXSTER-2009~2011	BAOSHIJIE-BOXSTER-2009~2011
Porsche -BOXSTER-2013	BAOSHIJIE-BOXSTER-2013
Porsche-cayman -- 2009~2012	BAOSHIJIE-CAYMAN-2009~2012
Porsche -CAYMAN-2013~2015	BAOSHIJIE-CAYMAN-2013~2015
Porsche - Cayenne -2006	BAOSHIJIE-KAYAN-2006
Porsche-cayenne -2007	BAOSHIJIE-KAYAN-2007
Porsche - Cayenne -2008	BAOSHIJIE-KAYAN-2008
Porsche - Cayenne -20102011	BAOSHIJIE-KAYAN-20102011
Porsche - Cayenne -2013~2016	BAOSHIJIE-KAYAN-2013~2016
Porsche-macans-2014 ~2017	BAOSHIJIE-MACANS-2014~2017
Porsche-panamera -- 20132015	BAOSHIJIE-PANAMERA-20132015
Porsche -PANAMERA-20142016	BAOSHIJIE-PANAMERA-20142016
Porsche -PANAMERA-2017-SPORTS	BAOSHIJIE-PANAMERA-2017-SPORTS
Borgward -BX5-20172018	BAOWO-BX5-20172018
Baowo-BX7-2016	BAOWO-BX7-2016
Beijing -- BJ20-2016	BEIJING-BJ20-2016
Beijing -- BJ40-20142016	BEIJING-BJ40-20142016

Type of vehicle	Car model code
Beijing -- BJ5815P1-0000	BEIJING-BJ5815P1
Beijing -- Qiling -- 0000	BEIJING-QILING
Beijing -- Qiling -- 0000-BJ1040P1S4	BEIJING-QILING-0000-BJ1040P1S4
Beijing - Qilong 2-0000	BEIJING-QILONG2
Beijing Auto - Saab D20-2015	BEIJINGQICHE-SHENBAOD20-2015
Beijing Auto - Saab D50-2014	BEIJINGQICHE-SHENBAOD50-2014
Beijing Auto -- Shenbaod50-2013	BEIJINGQICHE-SHENBAOD70-2013
Beijing Automotive -- Saab X25-20152017	BEIJINGQICHE-SHENBAOX25-20152017
Beijing Auto - Saab X35-2016	BEIJINGQICHE-SHENBAOX35-2016
Beijing Auto - Saab X55-2016	BEIJINGQICHE-SHENBAOX55-2016
Beijing Auto - Saab X65-2015	BEIJINGQICHE-SHENBAOX65-2015
Baic Daoda -V8-2017	BEIQIDAODA-V8-2017
Beiqidaoda -- H2-20152016	BEIQIHUANSU-H2-20152016
Beiqihuans-H2V-2016	BEIQIHUANSU-H2V-2016
Beiqihuans-H3-2015	BEIQIHUANSU-H3-2015
Beiqihuansu -H3-2016	BEIQIHUANSU-H3-2016
Beiqihuansu -S2-20142015	BEIQIHUANSU-S2-20142015
Beiqihuansu-S2-2016	BEIQIHUANSU-S2-2016
Beiqihuans-S3-2014	BEIQIHUANSU-S3-2014
Baic magic speed -S6-20162017	BEIQIHUANSU-S6-20162017
Beiqihuansu-205-2013	BEIQIWEIWANG-205-2013
Beiqiweiwang-306-2011 ~2014	BEIQIWEIWANG-306-2011~2014
BeiqiWeiwang-M20-2014	BEIQIWEIWANG-M20-2014
BeiqiWeiwang-M20-2015-Jingji	BEIQIWEIWANG-M20-2015-JINGJI
Beiqiweiwang -- M30-2015	BEIQIWEIWANG-M30-2015
BeiqiWeiwang-S50-2016	BEIQIWEIWANG-S50-2016
Baic New Energy -- EC-2017	BEIQIXINNENGYUAN-EC-2017
Baic New Energy -EU-20162017	BEIQIXINNENGYUAN-EU-20162017
Beiqixinneng-EU-2017	BEIQIXINNENGYUAN-EU-2017
Beiqixinneng-EU-2017-400	BEIQIXINNENGYUAN-EU-2017-400

Type of vehicle	Car model code
Beiqixinneng-EV-20132014	BEIQIXINNENGYUAN-EV-20132014
Beiqixinneng-ev-20132014 (Beiqixinneng-E Series-2013)	BEIQIXINNENGYUAN-EV-20132014(BEIJINGQICHE-EXILIE-2013)
Beiqixinneng-EV-20152016	BEIQIXINNENGYUAN-EV-20152016
Beiqixinneng-EX-20162017	BEIQIXINNENGYUAN-EX-20162017
Baic Manufacturing -- Beijing BW007-2015	BEIQIZHIZHAO-BEIJINGBW007-2015
Mercedes-benz A180-20132015	BENCHI-A180-20132015
Benz -A200-2015	BENCHI-A200-2015
Benz -A260-2013	BENCHI-A260-2013
Benz -ACOUPE-2009	BENCHI-ACOUPE-2009
Bench-a-class AMG-2017	BENCHI-AJIAMG-2017
Benz -AMGS65L-2014	BENCHI-AMGS65L-2014
Benz -B180-2012	BENCHI-B180-2012
Benz -B200-2009	BENCHI-B200-2009
Mercedes-b200-20152017 (Mercedes-B180-2016)	BENCHI-B200-20152017(BENCHI-B180-2016)
Benz -B260-2013	BENCHI-B260-2013
Benz -C180-2013	BENCHI-C180-2013
Benz -C200-20112013	BENCHI-C200-20112013
Benz -C200-201520162017	BENCHI-C200-201520162017
Benz -C200K-2008	BENCHI-C200K-2008
Benz -C200L-2017	BENCHI-C200L-2017
Benz -C260-2010	BENCHI-C260-2010
Mercedes-benz C260-2011	BENCHI-C260-2011
Benz -C260CGI-20112013	BENCHI-C260CGI-20112013
Benz -C260L-2015	BENCHI-C260L-2015
Benz -C63-2014	BENCHI-C63-2014
Benz -CLA200-2017	BENCHI-CLA200-2017
Benz - CLA-220-2015	BENCHI-CLA220-2015
Benz -CLA220-20152016	BENCHI-CLA220-20152016
Benz -CLA Class AMG-2015	BENCHI-CLAJIAMG-2015
Mercedes-benz CLK300-2006	BENCHI-CLK300-2006

Type of vehicle	Car model code
Benz -CLS260-20152017	BENCHI-CLS260-20152017
Benz -CLS300-2012	BENCHI-CLS300-2012
Benz -CLS300-2013	BENCHI-CLS300-2013
Mercedes-benz - CLS-Class AMG-2015	BENCHI-CLSJIAMG-2015
Benz -E180-2015	BENCHI-E180-2015
Benz -E200-2016	BENCHI-E200-2016
Benz-e200cgicoupe-2012 (BenZ-E260CGICOUPE-2012)	BENCHI-E200CGICOUPE-2012(BENCHI-E260CGICOUPE-2012)
Mercedes-benz E200K-2007	BENCHI-E200K-2007
Benz -E260-2010	BENCHI-E260-2010
Benz -E260-2011	BENCHI-E260-2011
Benz -E260-2013	BENCHI-E260-2013
Benz -E260L-2014	BENCHI-E260L-2014
Benz -E280-2007	BENCHI-E280-2007
Benz -E300-2011~2013-SHISHANG	BENCHI-E300-2011~2013-SHISHANG
Benz -E300L-20162017	BENCHI-E300L-20162017
Mercedes-benz -E350-2013-JINKOU	BENCHI-E350-2013-JINKOU
Benz - E-Class -2017	BENCHI-EJI-2017
Mercedes-e-class AMG-2016~2018	BENCHI-EJIAMG-2016~2018
Benz -G500-2007	BENCHI-G500-2007
Benz -G500-2013~2015-JINKOU	BENCHI-G500-2013~2015-JINKOU
Benz -G650-2017	BENCHI-G650-2017
Benz -GL-2013-JIBEN	BENCHI-GL-2013-JIBEN
Bench-gla220-20152016 (Bench-GLA200-20152016)	BENCHI-GLA220-20152016(BENCHI-GLA200-20152016)
Mercedes-benz -GLA260-2015	BENCHI-GLA260-2015
Benz -GLC260-2016	BENCHI-GLC260-2016
Benz -GLC260-2017	BENCHI-GLC260-2017
Benz -GLC300-2017	BENCHI-GLC300-2017
Benchi-gle-2015 ~2017	BENCHI-GLE-2015~2017
Benz -GLE400-2017	BENCHI-GLE400-2017
Benz -GLK2604MATIC-2015(Benz -GLK3004MATIC-2015)	BENCHI-GLK2604MATIC-2015(BENCHI-GLK3004MATIC-2015)

Type of vehicle	Car model code
Benz -GLK300-2012	BENCHI-GLK300-2012
Mercedes-benz GLK3004MATIC-200820102012	BENCHI-GLK3004MATIC-200820102012
Benz -GLK3004MATIC-20112012	BENCHI-GLK3004MATIC-20112012
Benz -GLK3004MATIC-20132014-HAOHUA	BENCHI-GLK3004MATIC-20132014-HAOHUA
Benz - Maybach S-Class -2015-2017	BENCHI-MAIBAHESJI-2015-2017
Benz - Maybach S-Class -2018	BENCHI-MAIBAHESJI-2018
Benz -MB100-1998	BENCHI-MB100-1998
Benchi-ml-2005 ~2010	BENCHI-ML-2005~2010
Benz -ML-2010	BENCHI-ML-2010
Mercedes-benz ML-201220142015	BENCHI-ML-201220142015
Benchi-r300-2009 ~2017	BENCHI-R300-2009~2017
Benz -R350-2007	BENCHI-R350-2007
Benz -R500-2006	BENCHI-R500-2006
Benz -S300L-2006	BENCHI-S300L-2006
Benz -S350-2004	BENCHI-S350-2004
Mercedes-benz S350L-2010~2012	BENCHI-S350L-2010~2012
Benz -S400L-2014~2017	BENCHI-S400L-2014~2017
Benz -S600-1993	BENCHI-S600-1993
Benz -S600L-2010	BENCHI-S600L-2010
Benz -SL350-2011	BENCHI-SL350-2011
Benz -SL500-2004	BENCHI-SL500-2004
Benz -SLK-200420102011	BENCHI-SLK-200420102011
Benz -SLK-2011	BENCHI-SLK-2011
Mercedes-benz V260-2016	BENCHI-V260-2016
Benz - Vito -2010	BENCHI-WEITING-2010
Benz -- Weiting -- 2011~2015	BENCHI-WEITING-2011~2015
Benz - Weiting -2016	BENCHI-WEITING-2016
Benchi-weiting -- 2011~2013	BENCHI-WEIYANUO-2011~2013
Benchi-weiyanuo -2014	BENCHI-WEIYANUO-2014
Galloping Horse -LT1082PB6E-0000	BENMA-LT1082PB6E

Type of vehicle	Car model code
Pentium-b30 -2014~2017	BENTENG-B30-2014~2017
Pentium-B50-2009	BENTENG-B50-2009
Pentium-B50-2013	BENTENG-B50-2013
Pentium-b70-2006 ~2009	BENTENG-B70-2006~2009
Pentium-B70-2010	BENTENG-B70-2010
Pentium-garbo T51-2011	BENTENG-JIABAOT51-2011
Pentium-X80-2013	BENTENG-X80-2013
Honda-elisen -2012	BENTIAN-AILISHEN-2012
Honda-ailishen -2016	BENTIAN-AILISHEN-2016
Honda - Odyssey -2002	BENTIAN-AODESAI-2002
Honda-odyssey -2007	BENTIAN-AODESAI-2007
Honda-odyssey -2008	BENTIAN-AODESAI-2008
Honda-odyssey -20092013	BENTIAN-AODESAI-20092013
Honda-odyssey -2011	BENTIAN-AODESAI-2011
Honda-odyssey -20152017	BENTIAN-AODESAI-20152017
Honda-odyssey -2017	BENTIAN-AODESAI-2017
Honda-binzhi -2015~2017	BENTIAN-BINZHI-2015~2017
Honda CRV-20042005	BENTIAN-CRV-20042005
Honda-CRV-2006	BENTIAN-CRV-2006
Honda-CRV-2007	BENTIAN-CRV-2007
Honda-CRV-2010	BENTIAN-CRV-2010
Honda-CRV-2013	BENTIAN-CRV-2013
Honda-CRV-2015	BENTIAN-CRV-2015
Honda-CRV-2017	BENTIAN-CRV-2017
Honda-fit -2003	BENTIAN-FEIDU-2003
Honda Fit -2004	BENTIAN-FEIDU-2004
Honda-fit -2007	BENTIAN-FEIDU-2007
Honda-fit -2008	BENTIAN-FEIDU-2008
Honda-fit -2011	BENTIAN-FEIDU-2011
Honda-fit -20142016	BENTIAN-FEIDU-20142016

Type of vehicle	Car model code
Honda-fit -20142016-SHUSHI	BENTIAN-FEIDU-20142016-SHUSHI
Honda-fit -2008-1.3MT	BENTIAN - FEIDU1.3 MT - 2008
Honda - Feng Fan -2008	BENTIAN-FENGFAN-2008
Honda - Feng Fan -2011	BENTIAN-FENGFAN-2011
Honda - Fengfan -2012	BENTIAN-FENGFAN-2012
Honda - Fengfan -20152017	BENTIAN-FENGFAN-20152017
Honda-gurry -2016	BENTIAN-GERUI-2016
Honda - Gerui -2012	BENTIAN-GESHITU-2012
Honda - Geshitu -20142016	BENTIAN-GESHITU-20142016
Honda-guandao -2017	BENTIAN-GUANDAO-2017
Honda -HRV-2013	BENTIAN-HRV-2013
Honda -INSIGHT-2013	BENTIAN-INSIGHT-2013
Honda-jed -2013~2016	BENTIAN-JIEDE-2013~2016
Honda-jiede -2014	BENTIAN-JIEDE-2014
Honda - Jingrui -2017	BENTIAN-JINGRUI-2017
Honda - Ling Pai -20132015	BENTIAN-LINGPAI-20132015
Honda - Lingpai -2016	BENTIAN-LINGPAI-2016
Honda -- Idea -- 2014	BENTIAN-LINIAN-2014
Honda - Concept S1-2011	BENTIAN-LINIANS1-2011
Honda - Shi Yun -2004	BENTIAN-SHIJUN-2004
Honda-spirex -2009	BENTIAN-SIBORUI-2009
Honda-siborui -2013	BENTIAN-SIBORUI-2013
Honda-siborui -2014	BENTIAN-SIBORUI-2014
Honda-siborui -20152017	BENTIAN-SIBORUI-20152017
Honda - Siborui -2006	BENTIAN-SIDI-2006
Honda-sidi -2007	BENTIAN-SIDI-2007
Honda-siming -2012	BENTIAN-SIMING-2012
Honda-civic -2008	BENTIAN-SIYU-2008
Honda-civic -2009	BENTIAN-SIYU-2009
Honda-civic -20122013	BENTIAN-SIYU-20122013

Type of vehicle	Car model code
Honda-civic -2014	BENTIAN-SIYU-2014
Honda-civic -2016	BENTIAN-SIYU-2016
Honda -URV-2017	BENTIAN-URV-2017
Honda -XRV-2015	BENTIAN-XRV-2015
Honda-accord -1995	BENTIAN-YAGE-1995
Honda - Accord -2002	BENTIAN-YAGE-2002
Honda-accord -2006	BENTIAN-YAGE-2006
Honda-accord -2007	BENTIAN-YAGE-2007
Honda-accord -2008	BENTIAN-YAGE-2008
Honda-accord -20092010	BENTIAN-YAGE-20092010
Honda-accord -20122013	BENTIAN-YAGE-20122013
Honda-accord -2014	BENTIAN-YAGE-2014
Honda - Accord -20142015	BENTIAN-YAGE-20142015
Honda-accord -2015(Honda-YAGE-2014-3.0)	BENTIAN YAGE - 2015 (BENTIAN - YAGE - 2014-3.0)
Honda-accord -2016	BENTIAN-YAGE-2016
Honda-accord -2016-2.0L	BENTIAN - YAGE - 2016-2.0 L
Honda-accord -2016-2.4L	BENTIAN - YAGE - 2016-2.4 L
Peugeot -2008-2015	BIAOZHI-2008-2015
Peugeot -206-2004~2008	BIAOZHI-206-2004~2008
Peugeot -207-2011	BIAOZHI-207-2011
Peugeot -3008-20112012-JINKOU	BIAOZHI-3008-20112012-JINKOU
Peugeot -3008-2013	BIAOZHI-3008-2013
Peugeot -3008-2016	BIAOZHI-3008-2016
Peugeot -301-20142016	BIAOZHI-301-20142016
Peugeot -307-2004	BIAOZHI-307-2004
Peugeot -307-2009~2013	BIAOZHI-307-2009~2013
Peugeot -308-2012	BIAOZHI-308-2012
Peugeot -308-2014	BIAOZHI-308-2014
Peugeot -308-2016	BIAOZHI-308-2016
Peugeot -308S-2015	BIAOZHI-308S-2015

Type of vehicle	Car model code
Peugeot -4008-2013	BIAOZHI-4008-2013
Peugeot -4008-2017	BIAOZHI-4008-2017
Peugeot -408-2011	BIAOZHI-408-2011
Peugeot -408-2013	BIAOZHI-408-2013
Peugeot -408-2014~2018	BIAOZHI-408-2014~2018
Peugeot -5008-2017	BIAOZHI-5008-2017
Peugeot -508-2013	BIAOZHI-508-2013
Peugeot -508-20152016	BIAOZHI-508-20152016
Buick - Encore -20132014	BIEKE-ANGKELA-20132014
Buick - Encore -2016~2018	BIEKE-ANGKELA-2016~2018
Buick - Enclave -2009	BIEKE-ANGKELEI-2009
Buick - Envision -2015	BIEKE-ANGKEWEI-2015
Buick -GL8-20032005	BIEKE-GL8-20032005
Buick -GL8-20052006-LUZUN	BIEKE-GL8-20052006-LUZUN
Buick -GL8-20052007	BIEKE-GL8-20052007
Buick -GL8-2011	BIEKE-GL8-2011
Buick -GL8-2013	BIEKE-GL8-2013
Buick -GL8-2017-25S	BIEKE-GL8-2017-25S
Buick -GL8-2017-28T	BIEKE-GL8-2017-28T
Buick - Regal -1999	BIEKE-JUNWEI-1999
Buick - Regal -20042005	BIEKE-JUNWEI-20042005
Buick - Regal -20092013	BIEKE-JUNWEI-20092013
Buick - Regal -2015	BIEKE-JUNWEI-2015
Buick - Regal -2017	BIEKE-JUNWEI-2017
Buick - Regal GS-2013	BIEKE-JUNWEIGS-2013
Buick - Lacrosse -20062008	BIEKE-JUNYUE-20062008
Buick - Lacrosse -2009	BIEKE-JUNYUE-2009
Buick - Lacrosse -2013	BIEKE-JUNYUE-2013
Buick - Lacrosse -2016	BIEKE-JUNYUE-2016
Buick - Kaiyue -20042007	BIEKE-KAIYUE-20042007

Type of vehicle	Car model code
Buick - Kaiyue -2006	BIEKE-KAIYUE-2006
Buick - Excelle -20082011	BIEKE-KAIYUE-20082011
Buick - Kaiyue -2013	BIEKE-KAIYUE-2013
Buick - Kaiyue -2015	BIEKE-KAIYUE-2015
Buick Excelle HRV-2005	BIEKE-KAIYUEHRV-2005
Buick - Boulevard -2007~2010	BIEKE-LINYINDADAO-2007~2010
Buick Sail -2003~2004	BIEKE-SAIOU-2003~2004
Buick - Century -1996	BIEKE-SHIJI-1996
Buick - Century -1996-2	BIEKE-SHIJI-1996-2
Buick VELITE5-2017	BIEKE-VELITE5-2017
Buick - Velite5 -20152017	BIEKE-WEILANG-20152017
Buick - Weilang -2016	BIEKE-WEILANG-2016
Buick - Weilang GS-2016	BIEKE-WEILANGGS-2016
Buick - Inlong -20152017	BIEKE-YINGLANG-20152017
Buick - Yinglang -2018	BIEKE-YINGLANG-2018
Buick -- Yinglang GT -- 2010~2013	BIEKE-YINGLANGGT-2010~2013
Buick - Yinglanggt-20122013	BIEKE-YINGLANGGT-20122013
Buick -- YinglangXT-2010 ~2014	BIEKE-YINGLANGXT-2010~2014
Bentley - Continental -2014	BINLI-OULU-2014
Bentley - Continental -2015~2017	BINLI-OULU-2015~2017
Bentley - Tim Yue -2016	BINLI-TIANYUE-2016
Binli -T5-2017	BISU-T5-2017
BYD-E5-20162017	BIYADI-E5-20162017
BiYadi-E6-2012	BIYADI-E6-2012
Byd-e6-2014 ~2017	BIYADI-E6-2014~2017
BYD-F0-20122013	BIYADI-F0-20122013
BiYADI-F0-2015	BIYADI-F0-2015
BYD-F3-20122013	BIYADI-F3-20122013
BYD-F3-2015	BIYADI-F3-2015
BYD-F3R-200820092011	BIYADI-F3R-200820092011

Type of vehicle	Car model code
BiYADI-F6-2011	BIYADI-F6-2011
Byd-g3-2010 ~2013	BIYADI-G3-2010~2013
BiYadi-G5-2014	BIYADI-G5-2014
BYD-G6-2013	BIYADI-G6-2013
BYD-L3-2013	BIYADI-L3-2013
BYD-M6-20102011	BIYADI-M6-20102011
BiYADI-M6-2013	BIYADI-M6-2013
BYD-M6-2015	BIYADI-M6-2015
Byd - Qin -2012~2016	BIYADI-QIN-2012~2016
Biyadi-qin -2017	BIYADI-QIN-2017
BYD-S6-2012	BIYADI-S6-2012
BYD-S6-2014	BIYADI-S6-2014
BYD-S7-2015	BIYADI-S7-2015
BYD-S7-20152016	BIYADI-S7-20152016
Byd-suirui -2013	BIYADI-SIRUI-2013
Byd - Song -2016	BIYADI-SONG-2016
Byd-suirui -2014	BIYADI-SURUI-2014
Byd-surui -2015	BIYADI-SURUI-2015
Byd-don -2015	BIYADI-TANG-2015
Byd-tang -20152017	BIYADI-TANG-20152017
Biyadi-yuan -- 2015	BIYADI-YUAN-2015
Bugatti - Weihang -2014	BUJIADI-WEIHANG-2014
Changan - Benben -2014	CHANGAN-BENBEN-2014
Changan-benben EV-20172018	CHANGAN-BENBENEV-20172018
Changan-benben-i-2006 (Changan-Benbenlove-2010)	CHANGAN-BENBENI-2006(CHANGAN-BENBENLOVE-2010)
Changan-Benben-I-2007	CHANGAN-BENBENI-2007
Changan-benben LOVEMT-2010	CHANGAN-BENBENLOVEMT-2010
Changan-benbenlovemt MINI-20102011	CHANGAN-BENBENMINI-20102011
Changan-benben-mini -2012	CHANGAN-BENBENMINI-2012
Changan - Changan Starlight -2007-SHANGYONG	CHANGAN-CHANGANXINGGUANG-2007-SHANGYONG

Type of vehicle	Car model code
Changan-changanxingguang - 4500-2007-SHANGYONG	CHANGAN-CHANGANXINGGUANG4500-2007-SHANGYONG
Changan-changanxingguang4500-2012 -- SHANGYONG	CHANGAN-CHANGANXINGGUANG4500-2012-SHANGYONG
Changan -- Changan Xingka -- 2012	CHANGAN-CHANGANXINGKA-2012
Changan -- Changan Xingka -- 20132015	CHANGAN-CHANGANXINGKA-20132015
Changan -- Changan Star -- 2003 -- SHANGYONG	CHANGAN-CHANGANZHIXING-2003-SHANGYONG
Changan - Changan Star -2009-SHANGYONG	CHANGAN-CHANGANZHIXING-2009-SHANGYONG
Changan - Changan Star -2013-SHANGYONG	CHANGAN-CHANGANZHIXING-2013-SHANGYONG
Changan - Changan Star 2-2009-SHANGYONG	CHANGAN-CHANGANZHIXING2-2009-SHANGYONG
Changan-changanzhixing2-2012 -SHANGYONG	CHANGAN-CHANGANZHIXING2-2012-SHANGYONG
Changan-Changanzhixing2-2015	CHANGAN-CHANGANZHIXING3-2015
Changan-Changanzhixing3-2015	CHANGAN-CHANGANZHIXING9-2015
Changan - Changan Star S460-2009-SHANGYONG	CHANGAN-CHANGANZHIXINGS460-2009-SHANGYONG
Changan-ChanganzhixingsSC6363a-2007	CHANGAN-CHANGANZHIXINGSC6363A-2007
Changan-changanzhixingsc6378a4s-2009 -SHANGYONG	CHANGAN-CHANGANZHIXINGSC6378A4S-2009-SHANGYONG
Changan-cm8-2004 -SHANGYONG	CHANGAN-CM8-2004-SHANGYONG
Changan-CS15-2016	CHANGAN-CS15-2016
Changan-cs35-2012 ~2017	CHANGAN-CS35-2012~2017
Changan-CS35-2014	CHANGAN-CS35-2014
Changan-CS55-2017	CHANGAN-CS55-2017
Changan-CS75-2014	CHANGAN-CS75-2014
Changan-CS95-2017	CHANGAN-CS95-2017
Changan-CX20-2011	CHANGAN-CX20-2011
Changan-CX20-2014	CHANGAN-CX20-2014
Changan-cx70-2016 (Changan-CX70-2017-SHOUdong)	CHANGAN-CX70-2016(CHANGAN-CX70-2017-SHOUDONG)
Changan-leap-king -2017	CHANGAN-KUAYUEWANG-2017
Changan-leimon -- 2005	CHANGAN-LEIMENG-2005
Changan-leimeng -- 2017	CHANGAN-LINXUAN-2017
Changan-liwei -- 20132017	CHANGAN-OULIWEI-20132017
Changan-ouliwei -- 20142015	CHANGAN-OULIWEI-20142015
Changan-ouliwei EV-2017	CHANGAN-OULIWEIEV-2017

Type of vehicle	Car model code
Changan-ouliweiev -2012-SHANGYONG	CHANGAN-OUNUO-2012-SHANGYONG
Changan-ounuo -2014-SHANGYONG	CHANGAN-OUNUO-2014-SHANGYONG
Changan-ounuo -20152017-SHANGYONG	CHANGAN-OUNUO-20152017-SHANGYONG
Changan-ounuo Commercial Vehicle -- 2012 -- SHANGYONG	CHANGAN-OUNUOSHANGWUCHE-2012-SHANGYONG
Changan-auchan -20152016	CHANGAN-OUSHANG-20152016
Changan-oushang -- 2013	CHANGAN-RUICHENG-2013
Chang 'an -- Rucheng -- 2017	CHANGAN-RUICHENG-2017
Changan-ruhang M70-2016	CHANGAN-RUIXINGM70-2016
Changan-ruixing M80-2014	CHANGAN-RUIXINGM80-2014
Chang 'an - Shenqi -2012-SHANGYONG	CHANGAN-SHENQI-2012-SHANGYONG
Changan - Shenqi -2014-SHANGYONG	CHANGAN-SHENQI-2014-SHANGYONG
Changan-shenqi - F30-2016	CHANGAN-SHENQIF30-2016
Changan-shenqif30 -- 2013	CHANGAN-SHENTONGXIAOCHE-2013
Changan-v5-2013 -SHANGYONG	CHANGAN-V5-2013-SHANGYONG
Changan - New Leopard -2011	CHANGAN-XINBAO-2011
Changan-xinbao 2DAI-2014	CHANGAN-XINBAO2DAI-2014
Changan-xinbao MINI-2016	CHANGAN-XINBAOMINI-2016
Changan-xinbaomini -- 2007	CHANGAN-XINGKA-2007
Changan - Xun Long -2009-SHANGYONG	CHANGAN-XUNLONG-2009-SHANGYONG
Changan-xunlong -2010-SHANGYONG	CHANGAN-XUNLONG-2010-SHANGYONG
Changan-xunlong -- 2014~2016	CHANGAN-YIDONG-2014~2016
Changan-yidong -- 20152016	CHANGAN-YIDONG-20152016
Changan-escape New Energy -- 2016	CHANGAN-YIDONGXINNENGYUAN-2016
Changan-yuexiang -- 20092010	CHANGAN-YUEXIANG-20092010
Changan-yuexiang -- 2012	CHANGAN-YUEXIANG-2012
Changan-yuexiang -- 2015	CHANGAN-YUEXIANG-2015
Changan-yuexiang V3-2012	CHANGAN-YUEXIANGV3-2012
Changan-YuexiangV5-2012	CHANGAN-YUEXIANGV5-2012
Changan-YuexiangV7-2015	CHANGAN-YUEXIANGV7-2015

Type of vehicle	Car model code
Changan-YuexiangV2007	CHANGAN-YUNTONG-2007
Changan-zhishang XT-2013	CHANGAN-ZHISHANGXT-2013
Changan-ZhishangxT-2009	CHANGANKUAYUE-WEIBAO-2009
Changan Auchan - Changan Star 7-2014	CHANGANOUSHANG-CHANGANZHIXING7-2014
Changan Auchan - Taurus Star -20112013	CHANGANOUSHANG-JINNIUXING-20112013
The Great Wall -- C20R-2013	CHANGCHENG-C20R-2013
The Great Wall -C30-20102012	CHANGCHENG-C30-20102012
The Great Wall -C30-2013	CHANGCHENG-C30-2013
The Great Wall -C30-2014	CHANGCHENG-C30-2014
The Great Wall -C30-2015	CHANGCHENG-C30-2015
The Great Wall -C30-2016	CHANGCHENG-C30-2016
Great Wall -- C30 New Energy -- 2017	CHANGCHENG-C30XINNENGYUAN-2017
The Great Wall -- C50-20122013	CHANGCHENG-C50-20122013
The Great Wall -C50-2014	CHANGCHENG-C50-2014
The Great Wall - Feng Jun 3-2011	CHANGCHENG-FENGJUN3-2011
The Great Wall - Fengjun 5-20122014	CHANGCHENG-FENGJUN5-20122014
The Great Wall - Fengjun5-2013	CHANGCHENG-FENGJUN5-2013
The Great Wall - Fengjun 5-2017	CHANGCHENG-FENGJUN5-2017
The Great Wall - Fengjun 6-2014	CHANGCHENG-FENGJUN6-2014
The Great Wall - Fengjun 6-2017	CHANGCHENG-FENGJUN6-2017
Great Wall - Haval H3-2006	CHANGCHENG-HAFUH3-2006
Great Wall - Haval H3-2007	CHANGCHENG-HAFUH3-2007
Great Wall - Hafuh3-2007-2	CHANGCHENG-HAFUH3-2007-2
Great Wall - Hafuh3-2012	CHANGCHENG-HAFUH3-2012
Great Wall - Haval H5-2010	CHANGCHENG-HAFUH5-2010
Great Wall - Haval H5-2010-2	CHANGCHENG-HAFUH5-2010-2
Changcheng - Haval H5-2012-OUFENG	CHANGCHENG-HAFUH5-2012-OUFENG
Great Wall - Haval H5-2013	CHANGCHENG-HAFUH5-2013
Great Wall - Haval H6-2011	CHANGCHENG-HAFUH6-2011
Great Wall - Haval H6-2014	CHANGCHENG-HAFUH6-2014

Type of vehicle	Car model code
Changcheng - Jindir -2005	CHANGCHENG-JINDIER-2005
The Great Wall - Genie -2008	CHANGCHENG-JINGLING-2008
Great Wall - Cool Bear -2009	CHANGCHENG-KUXIONG-2009
Great Wall - Kuxiong -20092010	CHANGCHENG-KUXIONG-20092010
The Great Wall - Ling Ao -2010	CHANGCHENG-LINGAO-2010
The Great Wall -M1-2010	CHANGCHENG-M1-2010
The Great Wall -M2-2010	CHANGCHENG-M2-2010
The Great Wall -M2-20122013	CHANGCHENG-M2-20122013
The Great Wall -M4-2013	CHANGCHENG-M4-2013
The Great Wall -M4-20142015	CHANGCHENG-M4-20142015
Great Wall - Selling Motorhome -2009	CHANGCHENG-SAILINGFANGCHE-2009
The Great Wall - SailingFangche -2004	CHANGCHENG-SAIYING-2004
Great Wall - Tengyi V80-2011	CHANGCHENG-TENGYIV80-2011
The Great Wall -V80-2011~2013	CHANGCHENG-V80-2011~2013
The Great Wall -- Xuan Li -- 2009	CHANGCHENG-XUANLI-2009
The Great Wall - Xuanli -2011	CHANGCHENG-XUANLI-2011
Changhe - Aidier -2004	CHANGHE-AIDIER-2004
Changhe - Aidier -20062011	CHANGHE-AIDIER-20062011
Changhe -- Freda -- 2009~2014	CHANGHE-FURUIDA-2009~2014
Changhe -M50-2014	CHANGHE-M50-2014
Changhe -M50-2015	CHANGHE-M50-2015
Changhe -Q35-2016	CHANGHE-Q35-2016
Success-X1-2014	CHENGGONG-X1-2014
Dacia -DACIALOGAN-2017	DACIA-DACIALOGAN-2017
Daihatsu - Tree -2007	DAFA-TERUI-2007
Dodgers - Kubo - 2009-2011	DAOQI-KUBO-2009~2011
Daoqi-kuwei -2009-JINKOU	DAOQI-KUWEI-2009-JINKOU
Daoqi-kuwei -2013	DAOQI-KUWEI-2013
Dodge - Challenger -2015	DAOQI-TIAOZHANZHE-2015
Datsun -MIDO-2014	DATSUN-MIDO-2014

Type of vehicle	Car model code
Dayun-Opuli-0000	DAYUN-AOPULI
Dayun-aopuli -DYX5040-0000	DAYUN-DYX5040
Dayun - Good Luck -0000	DAYUN-JIYUN
Volkswagen - Bora -2004	DAZHONG-BAOLAI-2004
Volkswagen - Bora -2006	DAZHONG-BAOLAI-2006
Volkswagen - Bora -2009	DAZHONG-BAOLAI-2009
Volkswagen - Bora -2012	DAZHONG-BAOLAI-2012
Volkswagen -- Bora -- 2012 -- CHAOZHI	DAZHONG-BAOLAI-2012-CHAOZHI
Volkswagen - Bora -2014	DAZHONG-BAOLAI-2014
Volkswagen - Bora -2014-2	DAZHONG-BAOLAI-2014-2
Volkswagen - Bora -2014-SPORTLINE	DAZHONG-BAOLAI-2014-SPORTLINE
Volkswagen - Bora -20162017	DAZHONG-BAOLAI-20162017
Volkswagen -CC-2009~2012	DAZHONG-CC-2009~2012
Volkswagen -CC-2013~2018	DAZHONG-CC-2013~2018
Dazhong - Gower -2002	DAZHONG-GAOER-2002
Volkswagen - Golf -2004	DAZHONG-GOLF-2004
Dazhong - Golf -201020112012	DAZHONG-GOLF-201020112012
Dazhong - Golf -2014~2016	DAZHONG-GOLF-2014~2016
Volkswagen - Golf -2016-RLINE	DAZHONG-GOLF-2016-RLINE
Dazhong - Golf GTI-20122016	DAZHONG-GOLFGTI-20122016
Volkswagen -- Phaeton -- 2011~2013	DAZHONG-HUITENG-2011~2013
Volkswagen - Phaeton -2015	DAZHONG-HUITENG-2015
Volkswagen-jetta-2011 (Volkswagen-SUTENg-20132014)	DAZHONG-JETTA-2011(DAZHONG-SUTENG-20132014)
Volkswagen -JETTA-2014	DAZHONG-JETTA-2014
Volkswagen - Beetle -2006	DAZHONG-JIAKECHONG-2006
Volkswagen - Beetle -2012~2015	DAZHONG-JIAKECHONG-2012~2015
Volkswagen - Beetle -20172018	DAZHONG-JIAKECHONG-20172018
Volkswagen - Jetta -19982005	DAZHONG-JIEDA-19982005
Volkswagen -- Jetta -- 20002006~2008	DAZHONG-JIEDA-20002006~2008
Volkswagen-jetta -- 2010~2012	DAZHONG-JIEDA-2010~2012

Type of vehicle	Car model code
Volkswagen - Jetta -20132015-SHISHANG	DAZHONG-JIEDA-20132015-SHISHANG
Volkswagen - Jetta -20132016	DAZHONG-JIEDA-20132016
Volkswagen - Keluway -20142015	DAZHONG-KAILUWEI-20142015
Dazhong - Kailuwei -20152017	DAZHONG-LANGXING-20152017
Volkswagen - Lavida -2008	DAZHONG-LANGYI-2008
Volkswagen - Lavida -2011	DAZHONG-LANGYI-2011
Volkswagen - Lavida -2012~2014-FENGSHANG	DAZHONG-LANGYI-2012~2014-FENGSHANG
Dazhong - Lavida -2012~2014-SHUSHIHAOHUA	DAZHONG-LANGYI-2012~2014-SHUSHIHAOHUA
Volkswagen - Lavida -2015	DAZHONG-LANGYI-2015
Volkswagen - Lavida -2015-FENGSHANG	DAZHONG-LANGYI-2015-FENGSHANG
Dazhong - Lavida -2015~2017	DAZHONG-LANGYI-2015~2017
Dazhong - Lamdo -20152017	DAZHONG-LINGDU-20152017
Volkswagen - Magotan -2009	DAZHONG-MAITENG-2009
Volkswagen - Maiteng -201220132015	DAZHONG-MAITENG-201220132015
Volkswagen-maiteng -- 2017	DAZHONG-MAITENG-2017
Volkswagen - Maiteng -20122014	DAZHONG-MAITEWEI-20122014
Volkswagen - Passat -20002005	DAZHONG-PASATE-20002005
Dazhong - Passat -2011~2015-ZHIZUN	DAZHONG-PASATE-2011~2015-ZHIZUN
Dazhong - Passat -2011~2015-ZUNRONG	DAZHONG-PASATE-2011~2015-ZUNRONG
Volkswagen - Passat -20162017	DAZHONG-PASATE-20162017
Dazhong -PASSAT Drive -20052007	DAZHONG-PASSATLINGYU-20052007
Dazhong -PASSAT Drive -2011	DAZHONG-PASSATLINGYU-2011
Volkswagen -POLO-2004	DAZHONG-POLO-2004
Volkswagen -POLO-20072008	DAZHONG-POLO-20072008
Volkswagen -POLO-20072009	DAZHONG-POLO-20072009
Volkswagen -POLO-2009	DAZHONG-POLO-2009
Volkswagen -POLO-2011	DAZHONG-POLO-2011
Volkswagen -POLO-2011- Import	DAZHONG-POLO-2011-JINQU
Volkswagen -POLO-2012-GTI	DAZHONG-POLO-2012-GTI
Volkswagen -POLO-2013-FENGSHANG	DAZHONG-POLO-2013-FENGSHANG

Type of vehicle	Car model code
Dazhong -POLO-20142016	DAZHONG-POLO-20142016
Dazhong -POLO-20142016-FENGSHANG	DAZHONG-POLO-20142016-FENGSHANG
Dazhong -POLOCROSS-2007	DAZHONG-POLOCROSS-2007
Volkswagen -POLOCROSS-2014	DAZHONG-POLOCROSS-2014
Volkswagen - Santana -1998	DAZHONG-SANGTANA-1998
Volkswagen - Santana -20042007	DAZHONG-SANGTANA-20042007
Volkswagen - Santana -2013	DAZHONG-SANGTANA-2013
Volkswagen - Santana -2015	DAZHONG-SANGTANA-2015
Volkswagen - Santana -2017	DAZHONG-SANGTANA-2017
Dazhong - Santana Zhijun -2006	DAZHONG-SANGTANAZHIJUN-2006
Dazhong - Santana Zhijun -200620082010	DAZHONG-SANGTANAZHIJUN-200620082010
Dazhong - Sangtanazhijun Santana -2008	DAZHONG-SANGTANAZHIJUN-2008
Volkswagen - Scirocco -2009~2014	DAZHONG-SHANGKU-2009~2014
Dazhong - Shangku -20152016	DAZHONG-SHANGKU-20152016
Dazhong -- Sagitar -- 2006~2011	DAZHONG-SUTENG-2006~2011
Volkswagen-suteng -- 20122014	DAZHONG-SUTENG-20122014
Volkswagen-suteng -2015	DAZHONG-SUTENG-2015
Volkswagen - Touran -2005	DAZHONG-TUAN-2005
Volkswagen - Touan -2008	DAZHONG-TUAN-2008
Volkswagen - Touan -2013~2015	DAZHONG-TUAN-2013~2015
Volkswagen - Touran -2017	DAZHONG-TUANG-2017
Volkswagen - Tiguan -2009	DAZHONG-TUGUAN-2009
Volkswagen - Tiguan -2012	DAZHONG-TUGUAN-2012
Volkswagen - Tiguan -2013~2017	DAZHONG-TUGUAN-2013~2017
Volkswagen - Tiguan L-2017	DAZHONG-TUGUANL-2017
Volkswagen - Touareg -2010	DAZHONG-TURUI-2010
Volkswagen - Touareg -20112014	DAZHONG-TURUI-20112014
Volkswagen - Touareg -20162017	DAZHONG-TURUI-20162017
Dazhong -- Weiling -- 2017	DAZHONG-WEILING-2017
Dazhong - Sharan -2012~2017	DAZHONG-XIALANG-2012~2017

Type of vehicle	Car model code
Electric coffee -- EV10-2018	DIANKA-EV10-2018
Emgrand - Bo Rui -20152016	DIHAO-BORUI-20152016
Emgrand - Boyue -2016	DIHAO-BOYUE-2016
Emgrand - Emgrand -2016	DIHAO-DIHAO-2016
Emgrand - Emgrand -2017	DIHAO-DIHAO-2017
Emgrand - Emgrand EV-2016	DIHAO-DIHAOEV-2016
Emgrand - Emgrand EV-2017	DIHAO-DIHAOEV-2017
Emgrand -EC7-2012	DIHAO-EC7-2012
Emgrand -EC7-2013	DIHAO-EC7-2013
Emgrand -EC7RV-2010	DIHAO-EC7RV-2010
Emgrand -EC8-20112013	DIHAO-EC8-20112013
Emgrand -GL-2017	DIHAO-GL-2017
Emgrand -GS-20142016	DIHAO-GS-20142016
Emgrand -GS-20162017-YUNDONG	DIHAO-GS-20162017-YUNDONG
Emgrand -GX7-2015	DIHAO-GX7-2015
Emgrand - Haoqing SUV-2014	DIHAO-HAOQINGSUV-2014
Emgrand - Kong -20162017	DIHAO-JINGANG-20162017
Emgrand - Vista -2015	DIHAO-YUANJING-2015
Emgrand -- Vista -- 20152016	DIHAO-YUANJING-20152016
Emgrand - Vista -2017	DIHAO-YUANJING-2017
Emgrand -- Vista -- 2018	DIHAO-YUANJING-2018
Emgrand - Vision S1-2018	DIHAO-YUANJINGS1-2018
Emgrand - Vision SUV-2016	DIHAO-YUANJINGSUV-2016
Emgrand - Vision X1-2017	DIHAO-YUANJINGX1-2017
Emgrand - Vision X3-2017	DIHAO-YUANJINGX3-2017
Dongfeng - Dongfeng Jinka-0000	DONGFENG-DONGFENGJINKA
Dongfeng -- Dongfeng Pickup -- 2006	DONGFENG-DONGFENGPIKA-2006
Dongfeng - Dorika -0000	DONGFENG-DUOLIKA
Dongfeng - Dolica -20102011(Dongfeng - DONGFENGZHIXING)	DONGFENG-DUOLIKA-20102011(DONGFENG-DONGFENGZHIXING)

Type of vehicle	Car model code
Dongfeng - Grace -2007-AODING	DONGFENG-FENGDU-2007-AODING
Dongfeng -- Grace -- 2010 -- SHUAIKE	DONGFENG-FENGDU-2010-SHUAIKE
Dongfeng - Grace MX5-2016	DONGFENG-FENGDUMX5-2016
Dongfeng - Grace MX6-20152016	DONGFENG-FENGDUMX6-20152016
Dongfeng-Fengfeng360-2015	DONGFENG-FENGGUANG360-2015
Dongfeng - Fengguang 370-2016	DONGFENG-FENGGUANG370-2016
Dongfeng - Fengguang 580-20162017	DONGFENG-FENGGUANG580-20162017
Dongfeng -- Fengshen A30-2014	DONGFENG-FENGSHENA30-2014
Dongfeng - Fengshen A60-2012-ZUNGUI	DONGFENG-FENGSHENA60-2012-ZUNGUI
Dongfeng - Fengshena60-2014	DONGFENG-FENGSHENA60-2014
Dongfeng - Fengshena60-2016	DONGFENG-FENGSHENA60-2016
Dongfeng - FengshenA60EV-2015	DONGFENG-FENGSHENA60EV-2015
Dongfeng - FengshenA60EV-2016	DONGFENG-FENGSHENA60EV-2016
Dongfeng - Fengshena9-2016	DONGFENG-FENGSHENA9-2016
Dongfeng - Fengshena9-2016	DONGFENG-FENGSHENAX3-2016
Dongfeng - Fengshenax4-2017	DONGFENG-FENGSHENAX4-2017
Dongfeng - Wind God AX7-2015	DONGFENG-FENGSHENAX7-2015
Dongfeng -- Fengshenax-E30-20152016	DONGFENG-FENGSHENE30-20152016
Dongfeng - FengsheneH30-20102011	DONGFENG-FENGSHENH30-20102011
Dongfeng-Fengshenh30-2012	DONGFENG-FENGSHENH30-2012
Dongfeng - Fengshenh30-2013	DONGFENG-FENGSHENH30-2013
Dongfeng-fengshenh30 -- 2015	DONGFENG-FENGSHENL60-2015
Dongfeng - FengshenlS30-2014	DONGFENG-FENGSHENS30-2014
Dongfeng - FengshensCM7-2016 ~2018	DONGFENG-FENGXINGCM7-2016~2018
Dongfeng - Popular Jingyi -2010~2014	DONGFENG-FENGXINGJINGYI-2010~2014
Dongfeng -- FengxingJingyi -- 2011	DONGFENG-FENGXINGJINGYI-2011
Dongfeng - FengxingJingyi LV-2011	DONGFENG-FENGXINGJINGYILV-2011
Dongfeng - Fengfeng Jingyi S50-2016	DONGFENG-FENGXINGJINGYIS50-2016
Dongfeng - FengxingJingyi X3-2014	DONGFENG-FENGXINGJINGYIX3-2014
Dongfeng - FengxingJingyi X3-2016	DONGFENG-FENGXINGJINGYIX3-2016

Type of vehicle	Car model code
Dongfeng - FengxingJingyi X5-2013	DONGFENG-FENGXINGJINGYIX5-2013
Dongfeng - FengxingJingyi X5-2017	DONGFENG-FENGXINGJINGYIX5-2017
Dongfeng - Fwind Lingzhi -2010	DONGFENG-FENGXINGLINGZHI-2010
Dongfeng -- Fengfeng Lingzhi -- 20102013	DONGFENG-FENGXINGLINGZHI-20102013
Dongfeng -- Fengfeng Xinglingzhi -- 2012	DONGFENG-FENGXINGLINGZHI-2012
Dongfeng -- Fengfeng Xinglingzhi -- 2018	DONGFENG-FENGXINGLINGZHI-2018
Dongfeng - Fengfeng Lingzhi M3-2015~2017	DONGFENG-FENGXINGLINGZHIM3-2015~2017
Dongfeng - Fengfeng Lingzhi M5-2012	DONGFENG-FENGXINGLINGZHIM5-2012
Dongfeng - Fengfeng Lingzhi M5-2013	DONGFENG-FENGXINGLINGZHIM5-2013
Dongfeng -- Fengfeng S500-20162017	DONGFENG-FENGXINGS500-20162017
Dongfeng - Wind SX6-2016	DONGFENG-FENGXINGSX6-2016
Dongfeng - Furica -0000	DONGFENG-FURUIKA
Dongfeng - Jinka -0000	DONGFENG-JINKA
Dongfeng - Jinyong -0000	DONGFENG-JINYONG
Dongfeng-junfeng CV03-2012	DONGFENG-JUNFENGCV03-2012
Dongfeng-JunfengER30-2016	DONGFENG-JUNFENGER30-2016
Dongfeng-Capt-0000	DONGFENG-KAIPUTE
Dongfeng - Ruiqi Pickup truck -2007	DONGFENG-RUIQIPIKA-2007
Dongfeng - Ruiqi pickup truck -2015	DONGFENG-RUIQIPIKA-2015
Dongfeng -- Ruiqipika -- 2016	DONGFENG-SHIKONGJUNFENG-2016
Dongfeng - Little Bully -2004	DONGFENG-XIAOBAWANG-2004
Dongfeng - Xiaobawang -2006	DONGFENG-XIAOBAWANG-2006
Dongfeng - Xiaobawang V Mica-0000	DONGFENG-XIAOBAWANGVWEIKA
Dongfeng - Xiaobawangvweika C31-2011	DONGFENG-XIAOKANGC31-2011
Dongfeng -- XiaokangC32-20152016	DONGFENG-XIAOKANGC32-20152016
Dongfeng - XiaokangC35-2012 (Dongfeng - XIAOKANGC37-2012)	DONGFENG-XIAOKANGC35-2012(DONGFENG-XIAOKANGC37-2012)
Dongfeng - Xiaokang Scenery -2013	DONGFENG-XIAOKANGFENGGUANG-2013
Dongfeng - XiaokangFengguang -2014	DONGFENG-XIAOKANGFENGGUANG-2014
Dongfeng - Xiaokang K05S-2016(Dongfeng - XIAOKANGK01-2015)	DONGFENG-XIAOKANGK05S-2016(DONGFENG-XIAOKANGK01-2015)

Type of vehicle	Car model code
Dongfeng - Xiaokang K07-2006	DONGFENG-XIAOKANGK07-2006
Dongfeng - XiaokangK07-2011	DONGFENG-XIAOKANGK07-2011
Dongfeng - XiaokangK07-2013	DONGFENG-XIAOKANGK07-2013
Dongfeng - Xiaokangk07S-20152016	DONGFENG-XIAOKANGK07S-20152016
Dongfeng - Xiaokangk07S-2011	DONGFENG-XIAOKANGV07S-2011
Dongfeng - Xiaokang V27-2011	DONGFENG-XIAOKANGV27-2011
Dongfeng - XiaokangV29-2012	DONGFENG-XIAOKANGV29-2012
Dongfeng-yufeng-2012 ~2016(Dongfeng-YuFENGEV-2015)	DONGFENG-YUFENG-2012~2016(DONGFENG-YUFENGEV-2015)
Dongfeng-ZD22TE-2013	DONGFENG-ZD22TE-2013
Dongdong-delica -- 2008	DONGNAN-DELIKA-2008
Dongnan-delika -2009	DONGNAN-DELIKA-2009
Dongnan-delika -2014	DONGNAN-DELIKA-2014
Dongnan -DX3-20162018	DONGNAN-DX3-20162018
Southeast -DX7-20152016	DONGNAN-DX7-20152016
Dongnan -- Fulica -- 2007	DONGNAN-FULIKA-2007
Dongnan-fulika -2010	DONGNAN-FULIKA-2010
Dongnan - Ryu Shuai -2005	DONGNAN-LINGSHUAI-2005
Dongnan - Lingli -0000	DONGNAN-LINLI
Dongnan-linli -V3 Rhombus -2010	DONGNAN-V3LINGYUE-2010
Dongnan-v3Lingyue-20102011	DONGNAN-V3LINGYUE-20102011
Dongnan-v3Lingyue-2013	DONGNAN-V3LINGYUE-2013
Southeast -V3 Rhombus -2014	DONGNAN-V3LINGYUE-2014
Dongnan - v3Lingyue-2014 -2	DONGNAN-V3LINGYUE-2014-2
Dongnan-V3Lingyue-2015	DONGNAN-V3LINGYUE-2015
Dongnan-v5 Lingzhi-20142015	DONGNAN-V5LINGZHI-20142015
Dongnan -- V5 Lingzhi -- 2017	DONGNAN-V5LINGZHI-2017
Dongnan -V6 Rishi -2014	DONGNAN-V6LINGSHI-2014
Dongnan -V6 Lingshi -20142015	DONGNAN-V6LINGSHI-20142015
Dongnan - Shiwang -2011	DONGNAN-XIWANG-2011

Type of vehicle	Car model code
DS-5LS-2014~2016	DS-5LS-2014~2016
DS-6-2014~2017	DS-6-2014~2017
Ferrari-458-2011	FALALI-458-2011
Ferrari-488-2015	FALALI-488-2015
Ferrari -CALIFORNIA-2015	FALALI-CALIFORNIA-2015
Ferrari -F430-2009	FALALI-F430-2009
Ferrari -PROTOFINO-2018	FALALI-PROTOFINO-2018
Flying Saucer - Alchi -0000	FEIDIE-AOCHI
Flying Saucer - Altridge M Series -0000	FEIDIE-AOCHIMXI
Feidie - Aochimxi X Series -0000	FEIDIE-AOCHIXXI
Flying Saucer - Ditu GX-2017	FEIDIE-DITUGX-2017
Fiat-500-20122014	FEIYATE-500-20122014
Fiat-beau-500-2008 ~2011	FEIYATE-BOYUE-2008~2011
Feiyate-boyue -- 2012~2014	FEIYATE-FEIXIANG-2012~2014
Fiat-feixiang -2015	FEIYATE-FEIXIANG-2015
Fiat-feixiang -- 2012~2014	FEIYATE-FEIYUE-2012~2014
Fiat-siena -2006	FEIYATE-XIYENA-2006
Fiat - Zhiyue -2014	FEIYATE-ZHIYUE-2014
Fiat-Zhiyue-2015	FEIYATE-ZHIYUE-2015
Toyota-86-2012 ~2014	FENGTIAN-86-2012~2014
Toyota-86-2017	FENGTIAN-86-2017
Toyota-Elpha-2011	FENGTIAN-AIERFA-2011
Toyota-Aierfa-2012	FENGTIAN-AIERFA-2012
Toyota-Aierfa-2015	FENGTIAN-AIERFA-2015
Toyota -FJ Coolooze -2017	FENGTIAN-FJKULUZE-2017
Toyota-fortuner -2012	FENGTIAN-FORTUNER-2012
Toyota-hilux -2002	FENGTIAN-HAILAKESI-2002
Toyota - Sea Lion -1999	FENGTIAN-HAISHI-1999
Toyota-haishi -2011	FENGTIAN-HAISHI-2011
Toyoda - Highlander -20112013	FENGTIAN-HANLANDA-20112013

Type of vehicle	Car model code
Toyota-hanlanda -2012	FENGTIAN-HANLANDA-2012
Toyota-hanlanda -20152017	FENGTIAN-HANLANDA-20152017
Toyota -HILUX-2017	FENGTIAN-HILUX-2017
Toyota - Corolla -2004	FENGTIAN-HUAGUAN-2004
Toyota - Corolla -2007	FENGTIAN-HUAGUAN-2007
Toyota - Corolla -2010	FENGTIAN-HUAGUAN-2010
Toyota - Corolla -2013	FENGTIAN-HUAGUAN-2013
Toyota - Corolla -2013-2	FENGTIAN-HUAGUAN-2013-2
Toyota - Crown -1999	FENGTIAN-HUANGGUAN-1999
Toyota - Crown -20052007	FENGTIAN-HUANGGUAN-20052007
Toyota -- Crown -- 2010	FENGTIAN-HUANGGUAN-2010
Toyota - Crown -2011	FENGTIAN-HUANGGUAN-2011
Toyota - Crown -2012	FENGTIAN-HUANGGUAN-2012
Toyota - Crown -2015	FENGTIAN-HUANGGUAN-2015
Toyota - Camry -1998	FENGTIAN-JIAMEI-1998
Toyota-jiluchi -2011	FENGTIAN-JIELUCHI-2011
Toyota - Kowloon Sea Lions -2010	FENGTIAN-JIULONGHAISHI-2010
Toyota - Camry -20022004	FENGTIAN-KAIMEIRUI-20022004
Toyota - Camry -2005-JINKOU	FENGTIAN-KAIMEIRUI-2005-JINKOU
Toyota - Camry -20072008	FENGTIAN-KAIMEIRUI-20072008
Toyota - Camry -2009~2012	FENGTIAN-KAIMEIRUI-2009~2012
Toyota -- Camry -- 2012 -- JUNRUI	FENGTIAN-KAIMEIRUI-2012-JUNRUI
Toyota - Camry -2012-OUZHOU-HAIWAI	FENGTIAN-KAIMEIRUI-2012-OUZHOU-HAIWAI
Toyota - Camry -2012-ZUNRUI	FENGTIAN-KAIMEIRUI-2012-ZUNRUI
Toyota - Camry -2013	FENGTIAN-KAIMEIRUI-2013
Toyota - Camry -2015	FENGTIAN-KAIMEIRUI-2015
Toyota - Corolla -2007~2009	FENGTIAN-KALUOLA-2007~2009
Toyota - Corolla -2010~2013	FENGTIAN-KALUOLA-2010~2013
Toyota - Corolla -20142017	FENGTIAN-KALUOLA-20142017
Toyota - Corolla -2016	FENGTIAN-KALUOLA-2016

Type of vehicle	Car model code
Toyota - Corolla -2017	FENGTIAN-KALUOLA-2017
Toyota - Corolla -2005	FENGTIAN-LANDEKULUZE-2005
Toyota - Corolla -2007	FENGTIAN-LANDEKULUZE-2007
Toyota-landekuluze -2008	FENGTIAN-LANDEKULUZE-2008
Toyota-landekuluze -2015-JINKOU	FENGTIAN-LANDEKULUZE-2015-JINKOU
Toyota-landekuluze -2016	FENGTIAN-LANDEKULUZE-2016
Toyoda - Leiling -2014-LINGXIAN	FENGTIAN-LEILING-2014-LINGXIAN
Toyota-leiling -2016	FENGTIAN-LEILING-2016
Toyota-leiling -2017	FENGTIAN-LEILING-2017
Toyota - Prado -2004	FENGTIAN-PULADUO-2004
Toyota - Prado -2010	FENGTIAN-PULADUO-2010
Toyota-prado -2014	FENGTIAN-PULADUO-2014
Toyota-prado -2014~2016	FENGTIAN-PULADUO-2014~2016
Toyota - Prius -2006	FENGTIAN-PURUISI-2006
Toyota - Prius -2012	FENGTIAN-PURUISI-2012
Toyota-Puruvia-2004	FENGTIAN-PURUIWEIYA-2004
Toyota-puruiweiya -2006	FENGTIAN-PURUIWEIYA-2006
Toyota-puruiweiya -2007	FENGTIAN-PURUIWEIYA-2007
Toyota -RAV4-20092010	FENGTIAN-RAV4-20092010
Toyota -RAV4-20112012	FENGTIAN-RAV4-20112012
Toyota -RAV4-2013	FENGTIAN-RAV4-2013
Toyota -RAV4-2015	FENGTIAN-RAV4-2015
Toyota -RAV4-2016	FENGTIAN-RAV4-2016
Toyota-reiz -2005~2008	FENGTIAN-RUIZHI-2005~2008
Toyota-reiz -2009	FENGTIAN-RUIZHI-2009
Toyota-reiz -2010	FENGTIAN-RUIZHI-2010
Toyota-reiz -2013	FENGTIAN-RUIZHI-2013
Toyota-senna -2011~2015	FENGTIAN-SIENNA-2011~2015
Toyota-sienna -2016~2017	FENGTIAN-SIENNA-2016~2017
Toyota -- Tandu -- 2011	FENGTIAN-TANTU-2011

Type of vehicle	Car model code
Toyota -- Tantu -- 20142016	FENGTIAN-TANTU-20142016
Toyota-tantu -2004	FENGTIAN-TERUI-2004
Toyota-vios -2004	FENGTIAN-WEICHI-2004
Toyota-vios -2008	FENGTIAN-WEICHI-2008
Toyota - Vios -2008-1.3LGLIAT	LGLIAT FENGTIAN - WEICHI - 2008-1.3
Toyota - Vios -2010	FENGTIAN-WEICHI-2010
Toyota-vios -2013	FENGTIAN-WEICHI-2013
Toyota-vios -2014	FENGTIAN-WEICHI-2014
Toyota - Vios -2017	FENGTIAN-WEICHI-2017
Toyota-wizz -20082011	FENGTIAN-WEIZHI-20082011
Toyota-Weizhi-20042011	FENGTIAN-WEIZI-20042011
Toyota-yaris -2008	FENGTIAN-YALISHI-2008
Toyota-yaris -2011	FENGTIAN-YALISHI-2011
Toyoda -YARISL Zhihyun -2015	FENGTIAN-YARISLZHIXUAN-2015
Toyoda -YARISL Zhixuan -2016-GAIKUAN	FENGTIAN-YARISLZHIXUAN-2016-GAIKUAN
Toyota-yatsui -- 201120122014	FENGTIAN-YIZHI-201120122014
Toyota-yizhi -2015	FENGTIAN-YIZHI-2015
Toyota Reiz - Reiz -2010	FENGTIANRUIZHI-RUIZHI-2010
Toyota Reishi - Reishi -2010-HAIWAI	FENGTIANRUIZHI-RUIZHI-2010-HAIWAI
Toyota Reishi - Reishi -2013-HAIWAI	FENGTIANRUIZHI-RUIZHI-2013-HAIWAI
Fengtianruizhi -FZ3041E4-0000	FUDA-FZ3041E4
Fuda - Pathfinder 6-2010	FUDI-TANLUZHE6-2010
Fudi - Little Superman -2012	FUDI-XIAOCHAOREN-2012
Fudi - Little Superman -2015	FUDI-XIAOCHAOREN-2015
Fudi - Lion -2012	FUDI-XIONGSHI-2012
Fudi - Lion F16-2012	FUDI-XIONGSHIF16-2012
Fudi-xiongshif-qiteng - Qiteng V60-2017	FUQIQITENG-QITENGV60-2017
Ford-cmax -2017	FUTE-CMAX-2017
Ford-focus -- 2005	FUTE-FUKESI-2005
Ford-focus -2007	FUTE-FUKESI-2007

Type of vehicle	Car model code
Ford-focus -2009	FUTE-FUKESI-2009
Ford-fox -2009-JINKOU	FUTE-FUKESI-2009-JINKOU
Ford - Focus -2010	FUTE-FUKESI-2010
Ford-focus -2011	FUTE-FUKESI-2011
Ford-fox-2011 -JINKOU	FUTE-FUKESI-2011-JINKOU
Ford-fox-2011 -SANXIANG	FUTE-FUKESI-2011-SANXIANG
Ford-focus -2012	FUTE-FUKESI-2012
Ford-focus -2013	FUTE-FUKESI-2013
Ford - Fox -20152018-LIANGXIANG	FUTE-FUKESI-20152018-LIANGXIANG
Ford-focus -2015~2018	FUTE-FUKESI-2015~2018
Ford-fuaris -2015	FUTE-FURUISI-2015
Ford - Shaker of the Road -20162017	FUTE-HANLUZHE-20162017
Ford-fiesta -200820102011	FUTE-JIANIANHUA-200820102011
Ford - Fiesta -20112012-LIANGXIANG	FUTE-JIANIANHUA-20112012-LIANGXIANG
Ford-fiesta -2013	FUTE-JIANIANHUA-2013
Ford - Fiesta -2014	FUTE-JIANIANHUA-2014
Ford - Classic Quanshun -2009~2015	FUTE-JINGDIANQUANSHUN-2009~2015
Ford - Classic Quanshun -2009~2015-CHAIYOU	FUTE-JINGDIANQUANSHUN-2009~2015-CHAIYOU
Ford - Taurus -20152017	FUTE-JINNIUZUO-20152017
Ford - Max -2008	FUTE-MAIKESI-2008
Ford-mondeo -2000	FUTE-MENGDIOU-2000
Ford-mondeo -20042005	FUTE-MENGDIOU-20042005
Ford-mondeo -2006	FUTE-MENGDIOU-2006
Ford-mondeo -2007	FUTE-MENGDIOU-2007
Ford-mondeo -- 2008 -- ZHISHENG	FUTE-MENGDIOU-2008-ZHISHENG
Ford - Mondeo -2011-ZHISHENG	FUTE-MENGDIOU-2011-ZHISHENG
Ford - Mondeo -2013	FUTE-MENGDIOU-2013
Ford - Mondeo -2017	FUTE-MENGDIOU-2017
Ford - Raptor F150-20122013	FUTE-MENGQINF150-20122013
Ford -- Quanshun -- 2017	FUTE-QUANSHUN-2017

Type of vehicle	Car model code
Ford - Rui Jie -20112012	FUTE-RUIJIE-20112012
Ford - Ruijie -20152016	FUTE-RUIJIE-20152016
Ford - Explorer -2011	FUTE-TANXIANZHE-2011
Fute - Explorers -20162017	FUTE-TANXIANZHE-20162017
Ford - Turui -20162017	FUTE-TURUIOU-20162017
Ford - New Generation All Smooth -2009	FUTE-XINSHIDAIQUANSHUN-2009
Ford - New Generation Quanshun -2013	FUTE-XINSHIDAIQUANSHUN-2013
Ford - Mustang -2015~2017	FUTE-YEMA-2015~2017
Ford - Wing-Beat -2013	FUTE-YIBO-2013
Ford-escape -2013	FUTE-YIHU-2013
Ford - Escape -2017	FUTE-YIHU-2017
Futon - Okling -0000	FUTIAN-AOLING
Futian - Okuzu T3-2016	FUTIAN-AOLINGT3-2016
Futian - AolingTX-0000	FUTIAN-AOLINGTX
Futian - AolingTX -2010	FUTIAN-AOLINGTX-2010
Futian - Scenery G7-2014~2016	FUTIAN-FENGJINGG7-2014~2016
Futian - Scenery G9-2016	FUTIAN-FENGJINGG9-2016
Futian - Scenic Sea Lion -1999	FUTIAN-FENGJINGHAISHI-1999
Futian - Scenery Quick -2012	FUTIAN-FENGJINGKUAIJIE-2012
Futian - Scenery Express -2011	FUTIAN-FENGJINGKUAIYUN-2011
Futian - Scenery V3-20152017	FUTIAN-FENGJINGV3-20152017
Futian - Jiatu T3-2016	FUTIAN-JIATUT3-2016
Futian - Jiatutu V5-2015	FUTIAN-JIATUV5-2015
Futian - Monpeck E-2010	FUTIAN-MENGPAIKEE-2010
Futian - Mengpaikee-2014	FUTIAN-MENGPAIKEE-2014
Futian - Mengpaikee -2011	FUTIAN-MIDI-2011
Futian - O 'Marco -0000	FUTIAN-OUMAKE
Futian - SAP T3-2011	FUTIAN-SAPUT3-2011
Futian - Saputu T3-2011-2	FUTIAN-SAPUT3-2011-2
Futian - Saput-V5-2011	FUTIAN-SAPUV5-2011

Type of vehicle	Car model code
Futian - SapuV5-2011	FUTIAN-SAPUZ7-2011
Futian - Takuto -2012	FUTIAN-TUOLUZHE-2012
Futian - Tuoluzhe -2015	FUTIAN-TUYANUO-2015
Foton Passenger Car - Gattu IM6-2016	FUTIANCHENGWUCHE-GATUIM6-2016
Foton Passenger Car - GatuIM-IX5-2016	FUTIANCHENGWUCHE-GATUIX5-2016
Futian Times - Furui -0000-2800	FUTIANSHIDAI-FURUI-0000-2800
Futian Times - Jieshun -0000	FUTIANSHIDAI-JIESHUN
Futianshidai-jieshun. Fukuda Times - Kong -2006	FUTIANSHIDAI-JINGANG-2006
Futianshidai - Jingang - 628-0000	FUTIANSHIDAI-JINGANG628
Futian Times -K1-0000	FUTIANSHIDAI-K1
Futian Times - Conrey H2-0000	FUTIANSHIDAI-KANGRUIH2
Futianshidai-KangruiH2	FUTIANSHIDAI-KANGRUIK2
Futianshidai-riich 2-0000	FUTIANSHIDAI-RUIQI2
Futianshidai-ruiwei 6-0000	FUTIANSHIDAI-RUIWO6
Futian Times - Box style -0000	FUTIANSHIDAI-XIANGSHI
Futianshidai - Xiaoka Star -0000	FUTIANSHIDAI-XIAOKAZHIXING
Futianshidai - Xiaokazhixing 2-2010-LINGHANG	FUTIANSHIDAI-XIAOKAZHIXING2-2010-LINGHANG
Futian Times -- Yu Ling -- 2009	FUTIANSHIDAI-YULING-2009
Futian Time -- Yu Ling -- 2010	FUTIANSHIDAI-YULING-2010
Futian Times - Yu Ling -2011	FUTIANSHIDAI-YULING-2011
GMC-SAVANA-2010~2013	GMC-SAVANA-2010~2013
Gac Trumpchi -GA3-20132014	GUANGQICHUANQI-GA3-20132014
Trumpchi -- GA3S Vision -- 20142016	GUANGQICHUANQI-GA3SSHIJIE-20142016
Trumpchi -- GA3S New Energy -- 2017	GUANGQICHUANQI-GA3SXINNENGYUAN-2017
Trumpchi -- GA5-20112012	GUANGQICHUANQI-GA5-20112012
Trumpchi -GA5-2015	GUANGQICHUANQI-GA5-2015
Trumpchi -GA5 New Energy -2016	GUANGQICHUANQI-GA5XINNENGYUAN-2016
Trumpchi -- GA6-20152016	GUANGQICHUANQI-GA6-20152016
Trumpchi -GA8-2017	GUANGQICHUANQI-GA8-2017
Trumpchi -GE3-2017	GUANGQICHUANQI-GE3-2017

Type of vehicle	Car model code
Gac Trumpchi -- GS4-20152016	GUANGQICHUANQI-GS4-20152016
Trumpchi -GS5-2012~2014	GUANGQICHUANQI-GS5-2012~2014
Trumpchi -GS5SUPER-20152016	GUANGQICHUANQI-GS5SUPER-20152016
Trumpchi -GS8-2017	GUANGQICHUANQI-GS8-2017
Gac Geo-Aoxuan G3-2011	GUANGQIJIAO-AOXUANG3-2011
Gac Ggio -- Fortune Luck 100-2012	GUANGQIJIAO-CAIYUN100-2012
Guangqi Ggio -- Fortune Luck 300-2010	GUANGQIJIAO-CAIYUN300-2010
Gac Geo - Xinglong -2014	GUANGQIJIAO-XINGLANG-2014
Gac Jiao-Xingwang -- 20102012	GUANGQIJIAO-XINGWANG-20102012
Qoro-3-2014 ~2017	GUANZHI-3-2014~2017
Qoros 5-20162017	GUANZHI-5-20162017
National-GM3-2018	GUOJIN-GM3-2018
Ha Fei - Junyi -2010	HAFEI-JUNYI-2010
Hafei-lubao -2007	HAFEI-LUBAO-2007
Hafei-lubao -2008	HAFEI-LUBAO-2008
Hafei - Luzun Little Bully -2011	HAFEI-LUZUNXIAOBAWANG-2011
Hafei - Luzunxiaobawang -2004	HAFEI-MINYI-2004
Hafei-minyi -2006	HAFEI-MINYI-2006
Hafei-minyi -2007	HAFEI-MINYI-2007
Hafei-minyi -2008	HAFEI-MINYI-2008
Hafei-minyi -2009	HAFEI-MINYI-2009
Hafei-minyi -2012	HAFEI-MINYI-2012
Hafei - Saibao -2008	HAFEI-SAIBAO-2008
Hafei-saibao -2004	HAFEI-SAIMA-2004
Hafei-songhuajiang V-2005	HAFEI-SONGHUAJIANGV-2005
Hafei - Little Bully -2010	HAFEI-XIAOBAWANG-2010
Hafei - Zhongyi -2002	HAFEI-ZHONGYI-2002
Hafei - Zhongyi V5-2013	HAFEI-ZHONGYIV5-2013
Hafei-H1-20152016	HAFU-H1-20152016
Hafu-H1-2016	HAFU-H1-2016

Type of vehicle	Car model code
Hafu-H1-20162017	HAFU-H1-20162017
Hafu-H2-20152017	HAFU-H2-20152017
Hafu-H2-2017	HAFU-H2-2017
Hafu-H2S-2017	HAFU-H2S-2017
Hafu-H5-2015	HAFU-H5-2015
Hafu-H5-2016	HAFU-H5-2016
Hafu -H6-2013	HAFU-H6-2013
Hafu -H6-2014	HAFU-H6-2014
Hafu-h6-2015 -YUNDONG	HAFU-H6-2015-YUNDONG
Hafu-H6-20152016	HAFU-H6-20152016
Hafu-H6-2017	HAFU-H6-2017
Hafu -H6-2018	HAFU-H6-2018
Hafu -H6COUPE-2017- Blue	HAFU-H6COUPE-2017-BLUE
Hafu -H6COUPE-2017- Red	HAFU-H6COUPE-2017-RED
Hafu-h7-2015 ~2017	HAFU-H7-2015~2017
Hafu-H8-20132015	HAFU-H8-20132015
Hafu -H9-20152016	HAFU-H9-20152016
Hafu-H9-2017	HAFU-H9-2017
Hafu-M6-2017	HAFU-M6-2017
Hag-H5C-2011	HAIGE-H5C-2011
Haige-ujun -201120122014	HAIGE-YUJUN-201120122014
Haima - Fumilai -2006	HAIMA-FUMEILAI-2006
Haima - Fumeilai -2008	HAIMA-FUMEILAI-2008
Haima - Fumeilai -2011	HAIMA-FUMEILAI-2011
Haima - Fumeilai -20122013	HAIMA-FUMEILAI-20122013
Haima -- Fumeilai -- 2014~2016	HAIMA-FUMEILAI-2014~2016
Haima - Fumeilai -2017	HAIMA-FUMEILAI-2017
Haima - Fumeilai Classic -2015	HAIMA-FUMEILAIJINGDIAN-2015
Haima - Fumeilaijingdian -2009(Haima - FUSHIDAFUKA-2012)	HAIMA-FUSHIDAHONGDA-2009(HAIMA-FUSHIDAFUKA-2012)

Type of vehicle	Car model code
Haima - Fushidahongda -2012	HAIMA-FUSHIDAHONGDA-2012
Haima - Fushidahongda -2012	HAIMA-FUSHIDARONGDA-2012
Haima - Fushidarongda -2007~2010	HAIMA-HAIFUXING-2007~2010
Haima -- Haifuxing -- 2010 -- SHOUDONGSHUSHI	HAIMA-HAIFUXING-2010-SHOUDONGSHUSHI
Haima - Haifuxing - 2010 - Shoudongshushi	HAIMA-HAIFUXING-2011
Haima - Haima - 3-2010	HAIMA-HAIMA3-2010
Haima - Haima M3-2013	HAIMA-HAIMAM3-2013
Haima - Haima M3-2013-SHOUDONGBIAOZHUN	HAIMA-HAIMAM3-2013-SHOUDONGBIAOZHUN
Haima - Prince of the Seahorses -2010	HAIMA-HAIMAWANGZI-2010
Haima -M3-2016	HAIMA-M3-2016
Haima -M6-2013~2017	HAIMA-M6-2013~2017
Haima -M8-2015	HAIMA-M8-2015
Haima - Prima -2007	HAIMA-PULIMA-2007
Haima - Pulima -20102012	HAIMA-PULIMA-20102012
Haima - Pulima -2012-KAITUO	HAIMA-PULIMA-2012-KAITUO
Haima - Pulima -2014	HAIMA-PULIMA-2014
Haima - Knight -2010	HAIMA-QISHI-2010
Seahorse - Knight -2013-LINGHANGXING	HAIMA-QISHI-2013-LINGHANGXING
Haima - Cupid -20102011	HAIMA-QIUBITE-20102011
Haima - Cupid -2012~2015	HAIMA-QIUBITE-2012~2015
Haima -S5-2015	HAIMA-S5-2015
Haima -S7-20132015	HAIMA-S7-20132015
Haima -S7-2015	HAIMA-S7-2015
Haiquan -A9-2016	HAIQUAN-A9-2016
Hummer -H2-2008	HANMA-H2-2008
Hanten-X7-2016	HANTENG-X7-2016
Panthers -1027 Series -2010	HEIBAO-1027XILIE-2010
Panthers -1030 Series -2010	HEIBAO-1030XILIE-2010
Black Panther-HB2320-0000	HEIBAO-HB2320
Hengtian - New Chufeng -2017	HENGTIAN-XINCHUFENG-2017

Type of vehicle	Car model code
Upi -ETAKE-2018	HEZHONG-ETAKE-2018
Hongqi -- H7-20132015	HONGQI-H7-20132015
Hongqi-mingshi -2002	HONGQI-MINGSHI-2002
Hongqi-star of the Century -2004	HONGQI-SHIJIXING-2004
Huakai -- Huakai Pickup -- 2016	HUAKAI-HUAKAIPIKA-2016
Huakai-tianjin Daihatsu -- 1993	HUALI-TIANJINDAFA-1993
Huanghai - Aojun -2009	HUANGHAI-AOJUN-2009
Huanghai-Aojun-2009-Haohua	HUANGHAI-AOJUN-2009-HAOHUA
Huanghai - Milion CUV-2010	HUANGHAI-AOLONGCUV-2010
Huanghai-aolongcuv - Daichai Shen -2007	HUANGHAI-DACHAISHEN-2007
Huanghai-dachaishen -2009	HUANGHAI-DACHAISHEN-2009
Huanghai-N1-2014	HUANGHAI-N1-2014
Huanghai -- Qisheng CUV -- 2010	HUANGHAI-QISHENGCUV-2010
Huanghai-qisheng F1-20092012(Huanghai-Qisheng CUV-2010)	HUANGHAI-QISHENGF1-20092012(HUANGHAI-QISHENGCUV-2010)
Huanghai-qishengcuv - Challenger SUV-2010	HUANGHAI-TIAOZHANZHESUV-2010
Huapu - Hai Feng -2007	HUAPU-HAIFENG-2007
Huapu - Haishang -2005	HUAPU-HAISHANG-2005
Huapu - Haishang -2007	HUAPU-HAIXUN-2007
Huapu - Haixun-2007	HUAPU-HAIYU-2007
Huapu - Jestamme Deer -2002	HUAPU-JIESHIDAMEILU-2002
Huapu -M203-2004	HUAPU-M203-2004
Huapu - Huapu 7-2015	HUASONG-HUANGSONG7-2015
Huasong - Paulig -2013	HUATAI-BAOLIGE-2013
Huatai-lu Sheng E70-2013	HUATAI-LUSHENGE70-2013
Huatai - Santa Fe -2006	HUATAI-SHENGDAFEI-2006
Huatai-shengdafei -2012	HUATAI-SHENGDAFEI-2012
Houghton -COMMODORE-2016	HUODUN-COMMODORE-2016
Jianghuai -- Binyue -- 2008	JIANGHUAI-BINYUE-2008
Jianghuai - Binyue -2009	JIANGHUAI-BINYUE-2009

Type of vehicle	Car model code
Jianghuai - Great Luck -0000-HFC1120K1T	JIANGHUAI-DAHAOYUN-0000-HFC1120K1T
Jianghuai - Dingli -0000	JIANGHUAI-DINGLI
Jianghuai - Haowei -2013	JIANGHUAI-HAOWEI-2013
Jianghuai - Good Luck V-0000(Jianghuai - Kangling -2010)	JIANGHUAI-HAOYUNV(JIANGHUAI-KANGLING-2010)
Jianghuai - Heyue -2010~2012	JIANGHUAI-HEYUE-2010~2012
Jianghuai - Heyue -2014	JIANGHUAI-HEYUE-2014
Jianghuai - Heyue RS-2010~2012	JIANGHUAI-HEYUERS-2010~2012
Jianghuai - Heyuers RS-2013	JIANGHUAI-HEYUERS-2013
Jianghuai -IEV-2017	JIANGHUAI-IEV-2017
Jianghuai -IEV5-2015	JIANGHUAI-IEV5-2015
Jianghuai -IEV6E-2017	JIANGHUAI-IEV6E-2017
Jianghuai -IEV6S-2016	JIANGHUAI-IEV6S-2016
Jianghuai -IEV7-2017	JIANGHUAI-IEV7-2017
Jianghuai - Junling -0000-HFC5043CCYP91K5C2	JIANGHUAI-JUNLING-0000-HFC5043CCYP91K5C2
Jianghuai - Junling -2008	JIANGHUAI-JUNLING-2008
Jianghuai - Junling V3-0000(Jianghuai -JINLINGV5~V7)	JIANGHUAI-JUNLINGV3(JIANGHUAI-JINLINGV5~V7)
Jianghuai - Kangling -0000	JIANGHUAI-KANGLING
Jianghuai - Ruifeng -2007	JIANGHUAI-RUIFENG-2007
Jianghuai - Ruifeng -200720112012	JIANGHUAI-RUIFENG-200720112012
Jianghuai - Ruifeng M3-2015	JIANGHUAI-RUIFENGM3-2015
Jianghuai - RuifengM3-2016	JIANGHUAI-RUIFENGM3-2016
Jianghuai - RuifengM4-2016 ~2018	JIANGHUAI-RUIFENGM4-2016~2018
Jianghuai - Ruifeng M5-2012	JIANGHUAI-RUIFENGM5-2012
Jianghuai - Ruifengm5-20152016	JIANGHUAI-RUIFENGS2-20152016
Jianghuai - RuifengS3-2016	JIANGHUAI-RUIFENGS3-2016
Jianghuai - RuifengS3-2017	JIANGHUAI-RUIFENGS3-2017
Jianghuai - RuifengS5-2013	JIANGHUAI-RUIFENGS5-2013
Jianghuai - RuifengS5-2015	JIANGHUAI-RUIFENGS5-2015
Jianghuai -- Ruifengs20112014	JIANGHUAI-RUILING-20112014
Jianghuai - Ruiling -2012	JIANGHUAI-RUILING-2012

Type of vehicle	Car model code
Jianghuai - Ruiling -2008~2010	JIANGHUAI-RUIYING-2008~2010
Jianghuai - Ruiying -2011~2013	JIANGHUAI-RUIYING-2011~2013
Jianghuai - Shuailing -0000	JIANGHUAI-SHUAILING
Jianghuai - Shuai Ling -0000-2	JIANGHUAI-SHUAILING-0000-2
Jianghuai - Shuai Ling T6-20152016	JIANGHUAI-SHUAILINGT6-20152016
Jianghuai - Tongyue -2008~2011	JIANGHUAI-TONGYUE-2008~2011
Jianghuai - Weiling -0000	JIANGHUAI-WEILING
Jianghuai - Xingrui -2011	JIANGHUAI-XINGRUI-2011
Jianghuai - Yueyue -2011	JIANGHUAI-YUEYUE-2011
Jiangling - Baodian -2002	JIANGLING-BAODIAN-2002
Jiangling - Baodian -2007	JIANGLING-BAODIAN-2007
Jiangling - Baodian -2014	JIANGLING-BAODIAN-2014
Jiangling - Baodian -2014-2	JIANGLING-BAODIAN-2014-2
Jiangling - Baodian -2016	JIANGLING-BAODIAN-2016
Jiangling - Baowei -2009	JIANGLING-BAOWEI-2009
Jiangling - Carrie-0000	JIANGLING-KAIRUI
Jiangling - Kairui 800-0000	JIANGLING-KAIRUI800
Jiangling-Kaiyun-0000	JIANGLING-KAIYUN
Jiangling-qiling T5-2014	JIANGLING-QILINGT5-2014
Jiangling -- Light Truck -- 0000-2.8MTDSP	JIANGLING - QINGKA - 0000-2.8 MTDSP
Jiangling - Quanshun -0000	JIANGLING-QUANSHUN
Jiangling - Shunda -0000	JIANGLING-SHUNDA
Jiangling-shunda -2007-ZAI	JIANGLING-SHUNDA-2007-ZAI
Jiangling - Shunda -2017	JIANGLING-SHUNTE-2017
Jiangling - Shunte -2017	JIANGLING-TESHUN-2017
Jiangling - Yuhu -2012	JIANGLING-YUHU-2012
Jiangling - Yunba -2005	JIANGLING-YUNBA-2005
Jiangling New Energy -- E200-2016	JIANGLINGXINNENGYUAN-E200-2016
Jiangxi Isuzu -- Remway -- 20162017	JIANGXIWUSHILING-RUIMAI-20162017
Jaguar -FPACE-2016	JIEBAO-FPACE-2016

Type of vehicle	Car model code
Jag -FPACE-2016-YUNDONG	JIEBAO-FPACE-2016-YUNDONG
Jag -FTYPE-20142015	JIEBAO-FTYPE-20142015
Jaguar -FTYPE-20152016	JIEBAO-FTYPE-20152016
Jag -STYPE-2004	JIEBAO-STYPE-2004
Jag -XE-20172018	JIEBAO-XE-20172018
Jag -XF-2010	JIEBAO-XF-2010
Jag -XF-2011~2013	JIEBAO-XF-2011~2013
Jag -XF-2014	JIEBAO-XF-2014
Jag -XF-2015~2016	JIEBAO-XF-2015~2016
Jaguar -XJ-2010~2015	JIEBAO-XJ-2010~2015
Jag -XJ-2016	JIEBAO-XJ-2016
Jag -XK-2017	JIEBAO-XK-2017
Jiehai-krD5021xxyBEV-2016	JIHAI-KRD5021XXYBEV-2016
Jihai-hai-liangxing -- 2004-LIANGXING	JILI-HAOQING-2004-LIANGXING
Jili - Haoqing -2004 - Liangxing	JILI-HAOQING203A-2004
Jili - Kong -20062007	JILI-JINGANG-20062007
Jili-king Kong -2010-HAOHUA(Jili-Jingangerdai-2010)	JILI-JINGANG-2010-HAOHUA(JILI-JINGANGERDAI-2010)
Jili - Vajra -2011(YINGLUN- Vajra -2010-WUDI)	JILI-JINGANG-2011(YINGLUN-JINGANG-2010-WUDI)
Jili-golden Eagle -20082010	JILI-JINYING-20082010
Jili-us-japan -- 2006	JILI-MEIRI-2006
Jili-unio -2004	JILI-YOULIOU-2004
Jili-youliou -2006	JILI-YUANJING-2006
Jili -- Freedom Ship -- 2005	JILI-ZIYOUJIAN-2005
Jili - Freedom Ship -2007	JILI-ZIYOUJIAN-2007
Jili - Freedom Ship -2010	JILI-ZIYOUJIAN-2010
Jili-ziyoujian -- 2010	JILIYINGLUN-JINGANG-2010
Jiliyinglun-Jingang-2010-WudI	JILIYINGLUN-JINGANG-2011(YINGLUN-JINGANG-2010-WUDI)
Jiliyinglun-jingang-fortune -2012	JILIYINGLUN-JINGANGCAIFU-2012
Geely England -- King Kong Wealth -- 2015 -- ZUIGUI	JILIYINGLUN-JINGGANGCAIFU-2015-ZUIGUI
Jiliyinglun - Jinggangcaifu -2015-ZUNGUIXING	JILIYINGLUN-JINGGANGCAIFU-2015-ZUNGUIXING

Type of vehicle	Car model code
Geely England - Golden Eagle -20082010	JILIYINGLUN-JINYING-20082010
JiliyingLun-SC5-2011	JILIYINGLUN-SC5-2011
JiliyingLUN-SC7-20092011	JILIYINGLUN-SC7-20092011
Geely England -SX7-2013	JILIYINGLUN-SX7-2013
Geely Englain-TX4-2012	JILIYINGLUN-TX4-2012
Jiliyinglun -- Prospect -- 20092010	JILIYINGLUN-YUANJING-20092010
Gold Cup -750-20152016	JINBEI-750-20152016
Gold Cup - Big Sea Lion -2011	JINBEI-DAHAISHI-2011
Gold Cup - Crease -2007-2	JINBEI-GERUISI-2007-2
Jinbei - Geruisi -2008	JINBEI-GERUISI-2008
Jinbei - Geruisi -2014	JINBEI-GERUISI-2014
Jinbei - Geruisi -2016	JINBEI-GERUISI-2016
Jinbei-geruisi -1999	JINBEI-HAISHI-1999
Jinbei-haishi -1999-2	JINBEI-HAISHI-1999-2
Jinbei-haishi -2000	JINBEI-HAISHI-2000
Jinbei-haishi -2002	JINBEI-HAISHI-2002
Gold Cup - Sea Lion -2004	JINBEI-HAISHI-2004
Jinbei-haishi -- 20082011	JINBEI-HAISHI-20082011
Jinbei-haishi -2011	JINBEI-HAISHI-2011
Jinbei-haishi -2013	JINBEI-HAISHI-2013
Jinbei -- Haishi -- 2014 -- HAOHUA	JINBEI-HAISHI-2014-HAOHUA
Jinbei - Sea Lion Sixth Generation -2011	JINBEI-HAISHIDILIUDAI-2011
Gold Cup - Sea Lion X30L-2016	JINBEI-HAISHIX30L-2016
Gold Cup - Sea Star A7-2011	JINBEI-HAIXINGA7-2011
Gold Cup - Starfish A7-2011-BIAOZHUN	JINBEI-HAIXINGA7-2011-BIAOZHUN
Jinbei -- Nuclear Power -- 2005	JINBEI-HEDONGLI-2005
Jinbei - Jindian -2009	JINBEI-JINDIAN-2009
Jin Bei - Jin Yun -0000	JINBEI-JINYUN
Jinbei - Collar Chi -0000	JINBEI-LINGCHI
Jinbei - Lingqi -2008	JINBEI-LINGQI-2008

Type of vehicle	Car model code
Jinbei -- Qiyun -- 2013	JINBEI-QIYUN-2013
Gold Cup - Western Cowboys -2015	JINBEI-XIBUNIUZAI-2015
Gold Cup - Zhishang S30-2012~2015	JINBEI-ZHISHANGS30-2012~2015
Jinbei -- Zhishang S30-2013-2	JINBEI-ZHISHANGS30-2013-2
Jinlong - Jinwei Yuchai -0000	JINLONG-JINWEIYUCHAI
Jinlong - Song of Triumph -20142015	JINLONG-KAIGE-20142015
Jinlong - Sea Lion -2005	JINLV-HAISHI-2005
Jinlv-haishi -2010	JINLV-HAISHI-2010
Jeep-grand Cherokee -2011~2013	JIPU-DAQIENUOJI-2011~2013
Jeep-grand Cherokee -2014~2016	JIPU-DAQIENUOJI-2014~2016
Jeep - Grand Cherokee -2014~2017	JIPU-DAQIENUOJI-2014~2017
Jeep-Jeep-2005	JIPU-JIPU-2005
Jeep-wrangler -2008	JIPU-MUMAREN-2008
Jipu-cherokee -1997	JIPU-QIENUOJI-1997
Jipu - Commander -2005	JIPU-ZHIHUIGUAN-2005
Jipu - Commander -2008	JIPU-ZHIHUIGUAN-2008
Jipu - Guide -2007	JIPU-ZHINANZHE-2007
Jipu - Guide -2011~2016	JIPU-ZHINANZHE-2011~2016
Jeep - The Guide -2017	JIPU-ZHINANZHE-2017
Jipu - Free Light -20142015	JIPU-ZIYOUGUANG-20142015
Jeep-freedom Passenger -2012~2015	JIPU-ZIYOUKE-2012~2015
Jipu-ziyouke -20162017	JIPU-ZIYOUXIA-20162017
Jipu-effie -2014	JIULONG-AIFEI-2014
Carlson -GL-2012	KAERSHEN-GL-2012
Cadillac-ats -2014-JINKOU	KAIDILAKE-ATS-2014-JINKOU
Cadillac -ATSL-2014~2017	KAIDILAKE-ATSL-2014~2017
Cadillac -CT6-2017	KAIDILAKE-CT6-2017
Cadillac -CTS-2006	KAIDILAKE-CTS-2006
Cadillac -CTS-2009~2011	KAIDILAKE-CTS-2009~2011
Cadillac -CTS-2012	KAIDILAKE-CTS-2012

Type of vehicle	Car model code
Cadillac -CTS-2014-JINKOU	KAIDILAKE-CTS-2014-JINKOU
Cadillac-escalade -2006~2010	KAIDILAKE-KAILEIDEESCALADE-2006~2010
Cadillac-escalade -2015	KAIDILAKE-KAILEIDEESCALADE-2015
Cadillac -SLS Sevay -2007	KAIDILAKE-SLSSAIWEI-2007
Cadillac -SLS -2010~2012	KAIDILAKE-SLSSAIWEI-2010~2012
Cadillac -SRX-2010~2012	KAIDILAKE-SRX-2010~2012
Cadillac -SRX-2013~2015	KAIDILAKE-SRX-2013~2015
Cadillac -XT5-2016	KAIDILAKE-XT5-2016
Cadillac -XTS-2012~2015	KAIDILAKE-XTS-2012~2015
Cadillac -XTS-2013	KAIDILAKE-XTS-2013
Cadillac -XTS-20162017	KAIDILAKE-XTS-20162017
Kaima-foleika -0000	KAIMA-FULAIKA
Kayma. - Good luck. -0000	KAIMA-HAOYUNLAI
Kaima-junteng -0000-KMC3046ZLB33D4	KAIMA-JUNTENG-0000-KMC3046ZLB33D4
Kaima-capgemini -0000	KAIMA-KAIJIE
Kaima-Kaima-0000	KAIMA-KAIMA
Kaima - Kaima -0000-2	KAIMA-KAIMA-0000-2
Kairui -K50-20152017	KAIRUI-K50-20152017
Kairui -K60-2017	KAIRUI-K60-2017
Kairui -LVKAC-0000	KAIRUI-LVKAC
Kerry -LVKAS-0000	KAIRUI-LVKAS
Kairui - Youjin -2012	KAIRUI-YOUJIN-2012
Kairui - Youseung II -2010	KAIRUI-YOUSHENGERDAI-2010
Kairui - Youshengerdai -2008	KAIRUI-YOUYA-2008
Kairui - Elegant II -2013	KAIRUI-YOUYA2DAI-2013
Kairui -- Youyou 2Dai -- 20132016	KAIRUI-YOUYOU2DAI-20132016
Kairui -C3R-20152016	KAIYI-C3R-20152016
Kaiyi-C3R-2016	KAIYI-V3-2016
Kandi -K10-2015	KANGDI-K10-2015
Kangdi-K11-2015	KANGDI-K11-2015

Type of vehicle	Car model code
Kawi -K1-2016	KAWEI-K1-2016
Chrysler-300C-2004	KELAISILE-300C-2004
Chrysler-300C-2006	KELAISILE-300C-2006
Chrysler-300C-2010	KELAISILE-300C-2010
Chrysler-300C-2014	KELAISILE-300C-2014
Chrysler-bo -2008	KELAISILE-BORUI-2008
Chrysler - Grand Dragon -2007	KELAISILE-DAJIELONG-2007
Chrysler-pt Rambler -2006~2009	KELAISILE-PTMANBUZHE-2006~2009
Rada - Niwa -2017	LADA-NIWA-2017
Lamborghini -AVENTADOR-2011~2016	LANBOJINI-AVENTADOR-2011~2016
Lamborghini -GALLARDO-2009~2012	LANBOJINI-GALLARDO-2009~2012
Lamborghini -HURACAN-2014	LANBOJINI-HURACAN-2014
Lamborghini -HURACAN-2016	LANBOJINI-HURACAN-2016
Lancia -YPSILON-2012	LANQIYA-YPSILON-2012
Rolls-Royce - Gust -2016	LAOSILAISI-GUSITE-2016
Rolls-Royce - Phantom -2013	LAOSILAISI-HUANYIN-2013
Reading -EV-2017	LEIDIN-EV-2017
Lexus -CT-2013-ANYEQISHI	LEIKESASI-CT-2013-ANYEQISHI
Lexus -CT-20142015	LEIKESASI-CT-20142015
Lexus -ES-2015~2017	LEIKESASI-ES-2015~2017
Lexus -ES240-2012	LEIKESASI-ES240-2012
Lexus -ES250-2013	LEIKESASI-ES250-2013
Lexus -ES330-2005	LEIKESASI-ES330-2005
Lexus -ES350-2006-HAOHUA	LEIKESASI-ES350-2006-HAOHUA
Lexus -GS-2012	LEIKESASI-GS-2012
Lexus -GS-2012-SPORT	LEIKESASI-GS-2012-SPORT
Lexus -GS-2016	LEIKESASI-GS-2016
Lexus -GS300-2005	LEIKESASI-GS300-2005
Lexus -GX-20102012	LEIKESASI-GX-20102012
Lexus -GX-2014	LEIKESASI-GX-2014

Type of vehicle	Car model code
Lexus -IS-2006~2009	LEIKESASI-IS-2006~2009
Lexus -IS-2015	LEIKESASI-IS-2015
Lexus -IS-20152017	LEIKESASI-IS-20152017
Lexus-Ls-20042005	LEIKESASI-LS-20042005
Rexas-LS-20072010	LEIKESASI-LS-20072010
Lexas-LS-2010	LEIKESASI-LS-2010
Lexus -LX570-2007	LEIKESASI-LX570-2007
Lexus -LX570-20122013	LEIKESASI-LX570-20122013
Lexus -LX570-2016	LEIKESASI-LX570-2016
Lexus -NX-20152016	LEIKESASI-NX-20152016
Lexus -RX-2007	LEIKESASI-RX-2007
Lexus -RX-2011	LEIKESASI-RX-2011
Lexus -RX-2013	LEIKESASI-RX-2013
Lexus -RX-2016	LEIKESASI-RX-2016
Lexus -RX300-2004	LEIKESASI-RX300-2004
Reno - Scenery -2004	LEINUO-FENGJING-2004
Renault - Wind Lang -2011	LEINUO-FENGJING-2011
Leinuo - Fengjing -2011	LEINUO-FENGLANG-2011
Leinuo - Fenglang -2013	LEINUO-FENGLANG-2013
Leinuo - Fenglang -2015	LEINUO-FENGLANG-2015
Leinuo - Cabin -20142015	LEINUO-KABIN-20142015
Leinuo - Koreo -2010	LEINUO-KELEIAO-2010
Leinuo-keleiao -2012	LEINUO-KELEIAO-2012
Leinuo-keleiao -2014	LEINUO-KELEIAO-2014
Leinuo - Keleiao -2016-JINKOU	LEINUO-KELEIAO-2016-JINKOU
Leinuo - Keleiao -2017	LEINUO-KELEIAO-2017
Leinuo-keleiao -- 2015~2017	LEINUO-KELEIJIA-2015~2017
Leinuo-laguna -2004	LEINUO-LAGUNA-2004
Reno Talisman -2012	LEINUO-TALISIMAN-2012
Leinuo - Dimension -20112013	LEINUO-WEIDU-20112013

Type of vehicle	Car model code
Leinuo - Jingyue -2009	LIANHUA-JINGYUE-2009
Lianhua -L3-2009	LIANHUA-L3-2009
Lianhua -L5-2014	LIANHUA-L5-2014
Cheetah -6481-2009	LIEBAO-6481-2009
Liebao-cs10-2014 ~2017	LIEBAO-CS10-2014~2017
Liebao-CS6-2008	LIEBAO-CS6-2008
Cheetah - Flying Bell -2010	LIEBAO-FEILING-2010
Cheetah - Flying Bell Pickup -2009	LIEBAO-FEIYANGPIKA-2009
Cheetah - Black Gold Gang -20042009	LIEBAO-HEIJINGANG-20042009
Cheetah -Q6-0000	LIEBAO-Q6
Lifan -320-20092012	LIFAN-320-20092012
LifAN-330-2015	LIFAN-330-2015
Lifan-520-2007	LIFAN-520-2007
Lifan-520-2011	LIFAN-520-2011
Lifan-620-2012	LIFAN-620-2012
Lifan - Fengshun -2011	LIFAN-FENGSHUN-2011
Lifan -- LFJ3046G2-0000	LIFAN-LFJ3046G2
Lifan - Maiwei -20162017	LIFAN-MAIWEI-20162017
Lifan-X60-2012	LIFAN-X60-2012
Lifan Shijun - Skat	LIFANSHIJUN-SIKATE
Lynk & Co - Lynk & Co 01-2017	LINGKE-LINGKE01-2017
Suzuki -- Alto -- 2001 -- DUSHIBEIBEI	LINGMU-AOTUO-2001-DUSHIBEIBEI
Suzuki -- Aotuo -- 200920112012	LINGMU-AOTUO-200920112012
Suzuki - Aotuo -2010	LINGMU-AOTUO-2010
Suzuki - Aotuo -2013	LINGMU-AOTUO-2013
Suzuki - Aotuo Happy Prince -2007	LINGMU-AOTUOKUAILEWANGZI-2007
Suzuki - Big Dipper -2002	LINGMU-BEIDOUXING-2002
Suzuki - Beidouxing -2004	LINGMU-BEIDOUXING-2004
Suzuki - Beidouxing -20042013	LINGMU-BEIDOUXING-20042013
Suzuki - Beidouxing -2007	LINGMU-BEIDOUXING-2007

Type of vehicle	Car model code
Suzuki - Beidouxing -2010	LINGMU-BEIDOUXING-2010
Suzuki - Beidouxing -20152016	LINGMU-BEIDOUXING-20152016
Suzuki - Beidouxing X5-2013	LINGMU-BEIDOUXINGX5-2013
Suzuki - Super Vitra -20072008	LINGMU-CHAOJIWEITELA-20072008
Suzuki - Fronuis -2014	LINGMU-FENGYU-2014
Suzuki - Fengyu -2014-2	LINGMU-FENGYU-2014-2
Suzuki - Jimni -20122015-JINKOU	LINGMU-JIMUNI-20122015-JINKOU
Suzuki - Nandi -20072008	LINGMU-LANGDI-20072008
Suzuki - Antelope -2004	LINGMU-LINGYANG-2004
Suzuki - Antelope -2009	LINGMU-LINGYANG-2009
Suzuki - Antelope -2011	LINGMU-LINGYANG-2011
Suzuki - Antelope -2012	LINGMU-LINGYANG-2012
Suzuki - Liana -2005	LINGMU-LIYANA-2005
Suzuki - Liyana -2008	LINGMU-LIYANA-2008
Suzuki - Liyana -2011	LINGMU-LIYANA-2011
Suzuki - Liyana - A6-2014	LINGMU-LIYANAA6-2014
Suzuki - Liyana A6-2014~2015	LINGMU-LIYANAA6-2014~2015
Suzuki - Paiki -2012	LINGMU-PAIXI-2012
Suzuki - Kai Yue -2015	LINGMU-QIYUE-2015
Suzuki -- Heavenly Language -- 2011~2013	LINGMU-TIANYUSHANGYUE-2011~2013
Suzuki - Tianyu SX4-2006	LINGMU-TIANYUSX4-2006
Suzuki - Tianyusx4-20072009	LINGMU-TIANYUSX4-20072009
Suzuki - Tianyusx4-20112016	LINGMU-TIANYUSX4-20112016
Suzuki - Tianyusx4-2012	LINGMU-TIANYUSX4-2012
Suzuki - Tianyusx4-2013	LINGMU-TIANYUSX4-2013
Suzuki -VITARA-2016	LINGMU-VITARA-2016
Suzuki - Vitra -2016	LINGMU-WEITELA-2016
Suzuki - Swift -2005	LINGMU-YUYAN-2005
Suzuki - Swift -2005-2	LINGMU-YUYAN-2005-2
Suzuki - Swift -20092011	LINGMU-YUYAN-20092011

Type of vehicle	Car model code
Suzuki - Swift -2013	LINGMU-YUYAN-2013
Suzuki - Swift -2014-BIAOZHUN	LINGMU-YUYAN-2014-BIAOZHUN
Lingmu-i1-2016	LINGZHI-I1-2016
Concept -S1-2011	LINIAN-S1-2011
Lincoln - Navigator -2010	LINKEN-LINGHANGYUAN-2010
Lincoln - Navigator -20142017	LINKEN-LINGHANGYUAN-20142017
Lincoln -MKC-2014~2016	LINKEN-MKC-2014~2016
Linken-MKX-20152017	LINKEN-MKX-20152017
Linken-mkz -2013~2016	LINKEN-MKZ-2013~2016
Linken-mkz -2017	LINKEN-MKZ-2017
Longxi -LX273Z-0000	LONGXI-LX273Z
Land Ark - Iway -2012	LUDIFANGZHOU-AIWEI-2012
Land Ark - Jinma -2013	LUDIFANGZHOU-JINMA-2013
Land Ark -V5-2013	LUDIFANGZHOU-V5-2013
Lu Fangzhou-Weitu Z35-20162017	LUDIFANGZHOU-WEITUZ35-20162017
Ludifangzhou-fenghua -- 20072008	LUFENG-FENGHUA-20072008
Land Wind - Style -2006	LUFENG-FENGSHANG-2006
Land Wind -X2-2017	LUFENG-X2-2017
Land Wind -X5-2014	LUFENG-X5-2014
Land Wind -X5-2016	LUFENG-X5-2016
Land Wind -X6-2008	LUFENG-X6-2008
Land Wind -X7-2015	LUFENG-X7-2015
Land Wind -X7-2015~2017	LUFENG-X7-2015~2017
Lu Feng-X8-20092011	LUFENG-X8-20092011
Lu Feng-X8-20122014	LUFENG-X8-20122014
Land Rover -- Discovery -- 2006	LUHU-FAXIAN-2006
Land Rover -- Discovery -- 2010~2016	LUHU-FAXIAN-2010~2016
Land Rover -- Discovery -- 20172018	LUHU-FAXIAN-20172018
Land Rover - Discovery -20162017	LUHU-FAXIANSHENXING-20162017
Land Rover - Range Rover -2007	LUHU-LANSHENG-2007

Type of vehicle	Car model code
Land Rover - Range Rover -2010	LUHU-LANSHENG-2010
Land Rover - Range Rover -2011	LUHU-LANSHENG-2011
Land Rover - Range Rover -2011-YUNDONG	LUHU-LANSHENG-2011-YUNDONG
Land Rover - Range Rover -2014~2017	LUHU-LANSHENG-2014~2017
Land Rover - Range Rover -2014~2017-YUNDONG	LUHU-LANSHENG-2014~2017-YUNDONG
Land Rover - Range Rover -2018-YUNDONG	LUHU-LANSHENG-2018-YUNDONG
Land Rover - Range Rover Evoque -2012~2015	LUHU-LANSHENGJIGUANG-2012~2015
Land Rover - Range Rover Evoque -20162017	LUHU-LANSHENGJIGUANG-20162017
Land Rover - Godwalker 2-2010	LUHU-SHENXINGZHE2-2010
Land Rover - Godwalker 2-2011~2015	LUHU-SHENXINGZHE2-2011~2015
McLaren -12C-2013	MAIKAILUN-12C-2013
Maserati -GHIBLI-2014~2017	MASHALADI-GHIBLI-2014~2017
Maserati -GRANCABRIO-20102012	MASHALADI-GRANCABRIO-20102012
Maserati -GRANTURISMO-2013	MASHALADI-GRANTURISMO-2013
Maserati -LEVANTE-2016	MASHALADI-LEVANTE-2016
Maserati - President -2008~2011	MASHALADI-ZONGCAI-2008~2011
Maserati - President -2013~2015	MASHALADI-ZONGCAI-2013~2015
Maserati - President -2017	MASHALADI-ZONGCAI-2017
Mazda-2-2007	MAZIDA-2-2007
Mazda-2-2012	MAZIDA-2-2012
Mazda-2 Jinxiang -2008	MAZIDA-2JINXIANG-2008
Mazda-3-2003	MAZIDA-3-2003
Mazda-3-2004	MAZIDA-3-2004
Mazda-3-2005	MAZIDA-3-2005
Mazda-3-2006	MAZIDA-3-2006
Mazda-3-2007	MAZIDA-3-2007
Mazda-3-2009	MAZIDA-3-2009
Mazda-3-2010	MAZIDA-3-2010
Mazda-3-2012	MAZIDA-3-2012
Mazda-3 Star Cheng -20112013	MAZIDA-3XINGCHENG-20112013

Type of vehicle	Car model code
Mazda-5-2008	MAZIDA-5-2008
Mazda-6-2004	MAZIDA-6-2004
Mazda-6-20062007	MAZIDA-6-20062007
Mazda-6-2008-Shishang	MAZIDA-6-2008-SHISHANG
Mazda-6-200820112012	MAZIDA-6-200820112012
Mazda-8-2011	MAZIDA-8-2011
Mazda-atz -2014	MAZIDA-ATEZI-2014
Mazda-atz -20172018	MAZIDA-ATEZI-20172018
Mazida-axela Axela -2014	MAZIDA-AXELAANGKESAILA-2014
Mazida-axela Axelaangkesaila -20142016	MAZIDA-AXELAANGKESAILA-20142016
Mazida -Axela Axela -2017	MAZIDA-AXELAANGKESAILA-2017
Mazda -CX4-20162018	MAZIDA-CX4-20162018
Mazda -CX5-2013	MAZIDA-CX5-2013
Mazda -CX5-2015	MAZIDA-CX5-2015
Mazda -CX5-2017	MAZIDA-CX5-2017
Mazda -CX7-2014	MAZIDA-CX7-2014
Mazda -MX5-2009	MAZIDA-MX5-2009
Mazda-pulma -2006	MAZIDA-PULIMA-2006
Mazda - Raywing -20092010	MAZIDA-RUIYI-20092010
Mazda - Ruiyi -2010-JIAOPAO	MAZIDA-RUIYI-2010-JIAOPAO
Mazda -- Ruiyi -- 2012	MAZIDA-RUIYI-2012
Mazda - Rui Yi -20122015-JIAOPAO	MAZIDA-RUIYI-20122015-JIAOPAO
Mazida-RX8-2014	MAZIDA-RX8-2014
Mg - RX3-2013	MG-3-2013
Mg -3-2014	MG-3-2014
Mg -3SW-20152016	MG-3SW-20152016
Mg -5-2012	MG-5-2012
Mg -6-2012	MG-6-2012
Mg - MG 7-2007 to 2010	MG-MINGJUE7-2007~2010
Mg - Reiten -20152016	MG-RUITENG-20152016

Type of vehicle	Car model code
Mg - Ruiteng -2017	MG-RUITENG-2017
Mg - Ruiteng -2014~2016	MG-RUIXING-2014~2016
MINI-CLUBMAN-2013	MINI-CLUBMAN-2013
MINI-COOPER-2010	MINI-COOPER-2010
MINI-COOPER-2012	MINI-COOPER-2012
MINI-COOPER-2014~2017	MINI-COOPER-2014~2017
MINI-COUNTRYMAN-2011	MINI-COUNTRYMAN-2011
MINI-COUNTRYMAN-2016	MINI-COUNTRYMAN-2016
MINI-COUNTRYMAN-2017	MINI-COUNTRYMAN-2017
Nanjing IVeco -- Yuejin -- 0000-XIAOFUXING	NANJINGYIWEIKE-YUEJIN-0000-XIAOFUXING
Nanjing Iveco - Yuejin -2009	NANJINGYIWEIKE-YUEJIN-2009
Nanjing Iveco -- Yuejin -- 2010 -- SHUAIHUH100	NANJINGYIWEIKE-YUEJIN-2010-SHUAIHUH100
Nanjing Iveco - Yuejin -2011-XIAOHU	NANJINGYIWEIKE-YUEJIN-2011-XIAOHU
Nanjing Iveco - Yuejin -0000-SHANGJUNX	NANJINGYIWEIKE-YUNJIN-0000-SHANGJUNX
Nanjing IVeco - Yuejin -0000-SHAUIHUH500	NANJINGYIWEIKE-YUNJIN-0000-SHAUIHUH500
Nanjing IVeco - Leap Forward -2005	NANJINGYIWEIKE-YUNJIN-2005
Nanjun -- CNJ1030SDA30V-0000	NANJUN-CNJ1030SDA30V
Nanjun-CNJ1030ZP33M-0000	NANJUN-CNJ1030ZP33M
Nanjun-CNJ3060ZFP34m-0000	NANJUN-CNJ3060ZFP34M
Nanjun-Ruikang-0000	NANJUN-RUIKANG
Nanjun - Ruiyi -0000	NANJUN-RUIYI
NAT - Big 7MPV-20132015	NAZHIJIE-DA7MPV-20132015
Nazhijie - Big 7MPV-2016	NAZHIJIE-DA7MPV-2016
Natjet - Big 7SUV-20112013	NAZHIJIE-DA7SUV-20112013
Nazhijie - Big 7SUV-2014~2016	NAZHIJIE-DA7SUV-2014~2016
Nazhijie -MASTERCEO-2013	NAZHIJIE-MASTERCEO-2013
Nazhijie - Na 5-20132014	NAZHIJIE-NA5-20132014
Nazhijie-Na5-2015	NAZHIJIE-NA5-2015
Nazhijie-rui 3-2016	NAZHIJIE-RUI3-2016
Nazhijie-you6suv -2014~2016	NAZHIJIE-YOU6SUV-2014~2016

Type of vehicle	Car model code
Nazhijie-you6suv -2014~2017	NAZHIJIE-YOU6SUV-2014~2017
NEVS-NEWS93-2017	NEWS-NEWS93-2017
Non-motor vehicles -0000-0000	NONMOTORVEHICLE
Opel-andra -2011	OUBAO-ANDELA-2011
Oubao-merina -2006	OUBAO-MAIRUINA-2006
Oubao-vista -2002	OUBAO-WEIDA-2002
Oubao-weida -2004	OUBAO-WEIDA-2004
Opel-art -2007~2010	OUBAO-YATE-2007~2010
Acura -CDX-20162017	OUGE-CDX-20162017
Acura -MDX-2009	OUGE-MDX-2009
Acura -MDX-2010	OUGE-MDX-2010
Acura -MDX-2014	OUGE-MDX-2014
Acura -RDX-2013	OUGE-RDX-2013
Acura -TL-2010	OUGE-TL-2010
Acura -ZDX-2011	OUGE-ZDX-2011
Promise -K50-2015	QIANTU-K50-2015
Qiantu - Morrowind -2014	QICHEN-CHENFENG-2014
Kai Chen -D50-2014	QICHEN-D50-2014
Qichen -D50-2015	QICHEN-D50-2015
Qichen -E30-2017	QICHEN-E30-2017
Qichen-M50V-2017	QICHEN-M50V-2017
Qichen-R30-20142016	QICHEN-R30-20142016
Qichen -R50X-20132015	QICHEN-R50X-20132015
Qichen -R50X-2015	QICHEN-R50X-2015
Qichen -T70X-2015	QICHEN-T70X-2015
Kai Chen -T70X-2016	QICHEN-T70X-2016
Qichen -T90-2017	QICHEN-T90-2017
Light Riding -ZB4015-2000	QINGQI-ZB4015-2000
Chery -A1-2007	QIRUI-A1-2007
Chery -A3-2008~2012	QIRUI-A3-2008~2012

Type of vehicle	Car model code
Chery -A5-2006	QIRUI-A5-2006
Chery -A5-20072009	QIRUI-A5-20072009
Qiry-arezer 3-2015	QIRUI-AIRUIZE3-2015
Chery - Arezer 5-20162017	QIRUI-AIRUIZE5-20162017
Chery - Airuize5E-2017	QIRUI-AIRUIZE5E-2017
Chery - Airuize7 -2013	QIRUI-AIRUIZE7-2013
Chery - Airuize7E-2016	QIRUI-AIRUIZE7E-2016
Chery - Airuize7E -2015	QIRUI-AIRUIZEM7-2015
Chery - Son of the East -2006	QIRUI-DONGFANGZHIZI-2006
Chery - Son of the Orient -2007	QIRUI-DONGFANGZHIZI-2007
Chery - Son of the East CROSS-2009	QIRUI-DONGFANGZHIZICROSS-2009
Chery -E3-2013	QIRUI-E3-2013
Chery -E3-2015	QIRUI-E3-2015
Chery -E5-201120122014	QIRUI-E5-201120122014
Chery -EQ-2015	QIRUI-EQ-2015
Chery -EQ-2017	QIRUI-EQ-2017
Chery -EQ1-2017	QIRUI-EQ1-2017
Qirui - Fengyun -2005	QIRUI-FENGYUN-2005
Qirui-fengyun -2010	QIRUI-FENGYUN2-2010
Chery - Fengyun 2-2013	QIRUI-FENGYUN2-2013
Qirui-fengyun2-2014 ~2016	QIRUI-FENGYUN2-2014~2016
Chery -- Qiyun -- 2006	QIRUI-QIYUN-2006
Chery - Qiyun - 1-2010	QIRUI-QIYUN1-2010
Chery - Qiyun1-2012	QIRUI-QIYUN1-2012
Chery - Qiyun2-2008	QIRUI-QIYUN2-2008
Chery - Qiyun2-2012	QIRUI-QIYUN2-2012
Chery - Qiyun3-2010	QIRUI-QIYUN3-2010
Chery - Qiyun 5-2012	QIRUI-QIYUN5-2012
Chery -QQ-2013	QIRUI-QQ-2013
Chery -- QQ3-20042005	QIRUI-QQ3-20042005

Type of vehicle	Car model code
Chery -QQ3-200920112012	QIRUI-QQ3-200920112012
Chery -QQ3-2012-YUNDONG	QIRUI-QQ3-2012-YUNDONG
Chery -QQ6-2007~2010	QIRUI-QQ6-2007~2010
Chery - Tighu-2007	QIRUI-RUIHU-2007
Chery - Ruihu -2011~2013	QIRUI-RUIHU-2011~2013
Chery - Tigo3 -2009	QIRUI-RUIHU3-2009
Chery - Ruihu-Ruihu3-2014	QIRUI-RUIHU3-2014
Chery - Ruihuis 3-2014-2	QIRUI-RUIHU3-2014-2
Qirui-Ruihu3-2014-2016	QIRUI-RUIHU3-2014~2016
Chery - Ruihu5 -20142015	QIRUI-RUIHU5-20142015
Chery - Ruihu5-20162017	QIRUI-RUIHU5-20162017
Chery - Ruihu7-20162017	QIRUI-RUIHU7-20162017
Chery - Ruihu DR-2010-OUZHOU	QIRUI-RUIHUDR-2010-OUZHOU
Kia - Barui -2013	QIYA-BARUI-2013
Kia - Furedi -2009	QIYA-FURUIDI-2009
Kia-furuidi -20112012	QIYA-FURUIDI-20112012
Kia - Furuidi -2014	QIYA-FURUIDI-2014
Kia - Ka Wah -2004	QIYA-JIAHUA-2004
Kia - Jiahua -2006	QIYA-JIAHUA-2006
Kia - Jiahua -2007	QIYA-JIALE-2007
Kia - Jiale -2011	QIYA-JIALE-2011
Kia - Joy -2013	QIYA-JIALE-2013
Kia -K2-2012	QIYA-K2-2012
Kia -K2-2015	QIYA-K2-2015
Kia -K2-2017	QIYA-K2-2017
Kia-K3-2013	QIYA-K3-2013
Kia-K3-2016	QIYA-K3-2016
Kia-K3s-2014	QIYA-K3S-2014
Kia-k4-2014 -GL	QIYA-K4-2014-GL
KiA-K4-20142015	QIYA-K4-20142015

Type of vehicle	Car model code
Kia-K4-2017	QIYA-K4-2017
Kia-K5-20112012	QIYA-K5-20112012
Kia-K5-2014	QIYA-K5-2014
Kia-K5-2015	QIYA-K5-2015
Kia-K5-2016	QIYA-K5-2016
Kia-k5-2016 -LUX	QIYA-K5-2016-LUX
Kia-k5-2016 -PRM	QIYA-K5-2016-PRM
Kia - Kaizon -2011	QIYA-KAIZUN-2011
Kia - Kaizun -20132014	QIYA-KAIZUN-20132014
Kia -KX3-2015	QIYA-KX3-2015
Kia -KX3-2017	QIYA-KX3-2017
Kia-KX5-2016	QIYA-KX5-2016
Kia-KX7-2017	QIYA-KX7-2017
Kia - Opheles -2004	QIYA-OUFEILAISI-2004
Kia-pratt -2002	QIYA-PULAITE-2002
Kia - Chollima -2004	QIYA-QIANLIMA-2004
Kia - Chollima -2005	QIYA-QIANLIMA-2005
Kia-reo -2007	QIYA-RUIOU-2007
Kia-Ruio-2007-2	QIYA-RUIOU-2007-2
Kia-cerato -2005	QIYA-SAILATU-2005
Kia-cerato -2006	QIYA-SAILATU-2006
Chia-cerato -20082012	QIYA-SAILATU-20082012
Chia-cerato -2010	QIYA-SAILATU-2010
Kia - Sportage -2007	QIYA-SHIPAO-2007
Kia - Sportage -20092011	QIYA-SHIPAO-20092011
Kia - Sportage -2009~2011	QIYA-SHIPAO-2009~2011
Kia - Sportage -2010	QIYA-SHIPAO-2010
Kia - Sportage -2012	QIYA-SHIPAO-2012
Kia - Sportage -2013	QIYA-SHIPAO-2013
Kia -SOUL-2010	QIYA-SOUL-2010

Type of vehicle	Car model code
Kia - Sorento -2006	QIYA-SUOLANTUO-2006
Kia - Sorento -2012	QIYA-SUOLANTUO-2012
Kia - Sorento -2013	QIYA-SUOLANTUO-2013
Kia - Sorento -20152016	QIYA-SUOLANTUO-20152016
Kia -VQ-20112013	QIYA-VQ-20112013
Kia - Soor -2010~2013	QIYA-XIUER-2010~2013
Kia - Far Ship -2004	QIYA-YUANJIAN-2004
Kia - Yuanjian -2005	QIYA-YUANJIAN-2005
Kia - Zhirun -2011~2014	QIYA-ZHIPAO-2011~2014
Kia - Zhipao -20152016	QIYA-ZHIPAO-20152016
Global Hawk -GC7-20122013	QUANQIUYING-GC7-20122013
Global Hawk -GX2-2012	QUANQIUYING-GX2-2012
Global Hawk -GX7-2013	QUANQIUYING-GX7-2013
Global Hawk -GX7-2015	QUANQIUYING-GX7-2015
Global Hawk -GX720-2014	QUANQIUYING-GX720-2014
Global Hawk -K17A-2016	QUANQIUYING-K17A-2016
Global Hawk -- Panda -- 2010	QUANQIUYING-XIONGMAO-2010
Global Hawk - Panda -2016	QUANQIUYING-XIONGMAO-2016
Global Hawk -- Vista -- 20062011	QUANQIUYING-YUANJING-20062011
Global Hawk - Freedom Ship -2011	QUANQIUYING-ZIYOUJIAN-2011
Global Hawk - Freedom Ship -2012	QUANQIUYING-ZIYOUJIAN-2012
Nissan-D22-20112013	RICHAN-D22-20112013
Nissan -D22PIKA-2007	RICHAN-D22PIKA-2007
Nissan -D50-2014	RICHAN-D50-2014
Nissan - Quisco -2011~2015	RICHAN-GUISHI-2011~2015
Nissan - Energizer -2017	RICHAN-JINKE-2017
Nissan - Junyi -2006	RICHAN-JUNYI-2006
Nissan - Blue Bird -2004	RICHAN-LANNIAO-2004
Nissan - Blue Bird -2004-ZHIZUN	RICHAN-LANNIAO-2004-ZHIZUN
Nissan - Bluebird -2016	RICHAN-LANNIAO-2016

Type of vehicle	Car model code
Nissan-lixil -2007	RICHAN-LIWEI-2007
Nissan-liwei -20082009	RICHAN-LIWEI-20082009
Nissan - Liwei -2010	RICHAN-LIWEI-2010
Nissan - Liwei -2013	RICHAN-LIWEI-2013
Nissan - Liwei -2015	RICHAN-LIWEI-2015
Nissan - Loulan -2011	RICHAN-LOULAN-2011
Nissan - Loulan -2015~2017	RICHAN-LOULAN-2015~2017
Nissan-marche -2010	RICHAN-MACHI-2010
Nissan -NV200-2010~2013	RICHAN-NV200-2010~2013
Nissan -NV200-2014	RICHAN-NV200-2014
Nissan -NV200-20142016-CVT	RICHAN-NV200-20142016-CVT
Nissan - Paladin -2004	RICHAN-PALADING-2004
Nissan - Paladin -20062013	RICHAN-PALADING-20062013
Nissan-versa -20052006	RICHAN-QIDA-20052006
Nissan-versa -20072008	RICHAN-QIDA-20072008
Nissan-versa -2011	RICHAN-QIDA-2011
Nissan-versa -2014	RICHAN-QIDA-2014
Nissan-versa -2016	RICHAN-QIDA-2016
Nissan - Qijun -2010	RICHAN-QIJUN-2010
Nissan - Qijun -2012	RICHAN-QIJUN-2012
Nissan - Qijun -2014	RICHAN-QIJUN-2014
Nissan - Qijun -2017	RICHAN-QIJUN-2017
Nissan - Shuaike -2013	RICHAN-SHUAIKE-2013
Nissan - Teana -2004	RICHAN-TIANLAI-2004
Nissan - Teana -2007	RICHAN-TIANLAI-2007
Nissan - Teana -2008	RICHAN-TIANLAI-2008
Nissan - Teana -20102012	RICHAN-TIANLAI-20102012
Nissan - Teana -2011	RICHAN-TIANLAI-2011
Nissan - Teana -2013	RICHAN-TIANLAI-2013
Nissan - Teana -2016	RICHAN-TIANLAI-2016

Type of vehicle	Car model code
Nissan - Tule -2017	RICHAN-TULE-2017
Nissan - Qashqai -2008	RICHAN-XIAOKE-2008
Nissan - Qashqai -2011~2013	RICHAN-XIAOKE-2011~2013
Nissan - Qashqai -2016	RICHAN-XIAOKE-2016
Nissan - Sima -2016	RICHAN-XIMA-2016
Nissan-Sylvest-20072008	RICHAN-XUANYI-20072008
Nissan - Sylphy -2009	RICHAN-XUANYI-2009
Nissan -- Xuyi -- 2012~2014	RICHAN-XUANYI-2012~2014
Nissan -- Xuyi -- 2016	RICHAN-XUANYI-2016
Nissan -- Sunshine -- 2003	RICHAN-YANGGUANG-2003
Nissan -- Yangguang -- 2004	RICHAN-YANGGUANG-2004
Nissan -- Yangguang -- 2005	RICHAN-YANGGUANG-2005
Nissan -- Yangguang -- 2011	RICHAN-YANGGUANG-2011
Nissan -- Yangguang -- 2014~2016	RICHAN-YANGGUANG-2014~2016
Nissan -- Yida -- 2005	RICHAN-YIDA-2005
Nissan - Yida -2008	RICHAN-YIDA-2008
Roewe -350-2011-DIANDONG	RONGWEI-350-2011-DIANDONG
Roewe-350-20122014	RONGWEI-350-20122014
Rongwei-360-2015	RONGWEI-360-2015
Rongwei-550-2012 ~2014	RONGWEI-550-2012~2014
Rongwei-750-2006 ~2010	RONGWEI-750-2006~2010
Rongwei-750-2012	RONGWEI-750-2012
Roewe -750S-2008	RONGWEI-750S-2008
Rongwei -- 950-2015	RONGWEI-950-2015
Rongwei-950-2017	RONGWEI-950-2017
Roewe-E50-2016	RONGWEI-E50-2016
Rongwei-E550-2016	RONGWEI-E550-2016
Roewe-EI6-2017	RONGWEI-EI6-2017
Roewe-I6-20172018	RONGWEI-I6-20172018
Roewe-RX5-2016	RONGWEI-RX5-2016

Type of vehicle	Car model code
Roewe-rx5 New Energy -- 20162017	RONGWEI-RX5XINNENGYUAN-20162017
Roewe-W5-20112013	RONGWEI-W5-20112013
Roewe -W5-2014	RONGWEI-W5-2014
Rishi -EC35-2016	RUICHI-EC35-2016
Ruichi-EK05A-2016	RUICHI-EK05A-2016
Riich-G3-2010	RUIQI-G3-2010
Ruiqi-G5-2012	RUIQI-G5-2012
Ruiqi-M1-2011	RUIQI-M1-2011
Ruiqi-X1-2012	RUIQI-X1-2012
Saab-Saab-9-2004	SABO-SAAB9-2004
Sabo-Saad9-2010	SABO-SAAD9-2010
Mitsubishi - Fadith -2013	SANLING-FENGSIDI-2013
Mitsubishi - Furica -2003	SANLING-FULIKA-2003
Mitsubishi - Fulika -2007	SANLING-FULIKA-2007
Mitsubishi - Golan -2009	SANLING-GELAN-2009
Mitsubishi - Grandi _-2004	SANLING-GELANDI-2004
Mitsubishi - Jin Hyun ASX-20112012	SANLING-JINXUANASX-20112012
Mitsubishi - JinxuanASX-2013	SANLING-JINXUANASX-2013
Mitsubishi - JinxuanASX-2015	SANLING-JINXUANASX-2015
Mitsubishi - JinxuanASX-2018	SANLING-JINXUANASX-2018
Mitsubishi - Junkaku -2008	SANLING-JUNGE-2008
Mitsubishi - Lancer -2006	SANLING-LANSE-2006
Mitsubishi - Lanse -2006~2010	SANLING-LANSE-2006~2010
Mitsubishi - Lanse -20122015	SANLING-LANSE-20122015
Mitsubishi - Johnson -2005	SANLING-LINGSHEN-2005
Mitsubishi - Johnson -2006	SANLING-LINGSHEN-2006
Mitsubishi - Rhombus -2005	SANLING-LINGSHUAI-2005
Mitsubishi - Outlander -2007~2009	SANLING-OULANDE-2007~2009
Mitsubishi - Outlander -2013	SANLING-OULANDE-2013
Mitsubishi - Outlander -2014	SANLING-OULANDE-2014

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Type of vehicle	Car model code
Mitsubishi - Outlander -2016	SANLING-OULANDE-2016
Mitsubishi - Outlander Classic -20042005	SANLING-OULANDEJINGDIAN-20042005
Mitsubishi - Outlander Realm -20102011	SANLING-OULANDEJINGJIE-20102011
Mitsubishi - Pajero -1992	SANLING-PAJIELUO-1992
Mitsubishi - Pajieluo -2004~2011	SANLING-PAJIELUO-2004~2011
Mitsubishi - Pajieluo -2007~2011-JINKOU	SANLING-PAJIELUO-2007~2011-JINKOU
Mitsubishi - Pajieluo -2012~2014-JINKOU	SANLING-PAJIELUO-2012~2014-JINKOU
Mitsubishi - Pajieluo -20162018	SANLING-PAJIELUO-20162018
Mitsubishi - Pajieluo Jinchang -2011-JINKOU	SANLING-PAJIELUOJINCHANG-2011-JINKOU
Mitsubishi - PajieluoJinchang -20132015	SANLING-PAJIELUOJINCHANG-20132015
Mitsubishi - Pajieluojinchang -2004	SANLING-PAJIELUOSUPAO-2004
Mitsubishi -V3 Rhombus -20102011	SANLING-V3LINGYUE-20102011
Mitsubishi - V3Lingyue-2011	SANLING-V3LINGYUE-2011
Mitsubishi -V5 Rishi -20142015	SANLING-V5LINGZHI-20142015
Mitsubishi -V5 Rlingzhi -20152017	SANLING-V5LINGZHI-20152017
Mitsubishi -V5 Rhombozhi -2017	SANLING-V5LINGZHI-2017
Mitsubishi - Winged God -20102012	SANLING-YISHEN-20102012
Mitsubishi - Winged God -2013	SANLING-YISHEN-2013
Mitsubishi - Winged God -2013-ZHISHANG	SANLING-YISHEN-2013-ZHISHANG
Mitsubishi - Yishen -2015	SANLING-YISHEN-2015
SCION-FRS-20132016	SCION-FRS-20132016
Saic Maxus -- G10-2016	SHANGQIDATONG-G10-2016
Shangqidatong-G10-2018	SHANGQIDATONG-G10-2018
Shangqidatong-v80-2011 ~2013	SHANGQIDATONG-V80-2011~2013
Shangqidatong-v80-2014 ~2016	SHANGQIDATONG-V80-2014~2016
Shangqidatong-v80-2014 ~2017	SHANGQIDATONG-V80-2014~2017
Shangqidatong -- Istana -- 2013	SHANGQIDATONG-YISITANNA-2013
Saic Yuejin - Beyond C-0000	SHANGQIYUEJIN-CHAOYUEC
Shaanxi-Huashan-0000-Huakang	SHANQI-HUASHAN-0000-HUAKANG
Shifeng - Fengchi -0000	SHIFENG-FENGCHI

Type of vehicle	Car model code
Shifeng - Xinfengchi -0000	SHIFENG-XINFENGCHI
Ten Tong -STQ1039L2Y13-0000	SHITONG-STQ1039L2Y13
Double Ring - Corando -2011	SHUANGHUAN-KELANDUO-2011
Double Ring - Noble SRV-2004	SHUANGHUAN-LAIBAOSRV-2004
Double Ring -SCEO-2011	SHUANGHUAN-SCEO-2011
Shuanglong -- Aiteng -- 20062007	SHUANGLONG-AITENG-20062007
Shuanglong -- Corando -- 2014~2017	SHUANGLONG-KELANDUO-2014~2017
Shuanglong -- Xiang Yu -- 2007	SHUANGLONG-XIANGYU-2007
Shuanglong -- Chairman -- 2004	SHUANGLONG-ZHUXI-2004
Subaru -- Outback -- 2011	SIBALU-AOHU-2011
Subaru - Aohu -2013	SIBALU-AOHU-2013
Subaru - Aohu -2015~2017	SIBALU-AOHU-2015~2017
Subaru -BRZ-20152017	SIBALU-BRZ-20152017
Subaru - Chippon -2007	SIBALU-CHIPENG-2007
Subaru - Lion -2006	SIBALU-LISHI-2006
Subaru - Lishi -2010	SIBALU-LISHI-2010
Subaru - Lishi -2013	SIBALU-LISHI-2013
Subaru - Lishi -20162017	SIBALU-LISHI-20162017
Subaru - Forester -2007	SIBALU-SENLINREN-2007
Subaru - Forester - 2009-2011	SIBALU-SENLINREN-2009~2011
Subaru - Senlinren -2012	SIBALU-SENLINREN-2012
Subaru - Forester -2013~2015	SIBALU-SENLINREN-2013~2015
Subaru - Forester -20152016	SIBALU-SENLINREN-20152016
Subaru - Forester -20162017	SIBALU-SENLINREN-20162017
Subaru -WRX-2016	SIBALU-WRX-2016
Subaru -XV-2012~2015	SIBALU-XV-2012~2015
Subaru -XV-2017	SIBALU-XV-2017
Subaru -XV-2018	SIBALU-XV-2018
Subaru - Impreza -20072008	SIBALU-YIBAO-20072008
Skoda -- Hao Rui -- 20092012	SIKEDA-HAORUI-20092012

Type of vehicle	Car model code
Skoda - Jing Rui -2008	SIKEDA-JINGRUI-2008
Skoda - Jingrui -2012	SIKEDA-JINGRUI-2012
Skoda - Jingrui -20122014-JINGZHI	SIKEDA-JINGRUI-20122014-JINGZHI
Skoda - Jingrui -2017	SIKEDA-JINGRUI-2017
Skoda - Kodiak -20172018	SIKEDA-KEDIYAKE-20172018
Skoda - Octavia -20072008	SIKEDA-MINGRUI-20072008
Skoda - Octavia -20102014	SIKEDA-MINGRUI-20102014
Skoda - Octavia -2015	SIKEDA-MINGRUI-2015
Skoda - Octavia -2017	SIKEDA-MINGRUI-2017
Skoda - Super Pie -20162018	SIKEDA-SUPAI-20162018
Skoda - Rapid -20142016	SIKEDA-XINDONG-20142016
Skoda - Xindong -2013	SIKEDA-XINRUI-2013
Skoda - Xin Rui -2015	SIKEDA-XINRUI-2015
Skoda - Noti -2013-JINKOU	SIKEDA-YETI-2013-JINKOU
Skoda - Yeti -2014~2017	SIKEDA-YETI-2014~2017
Sikeda-yeti -2014	SIMING-SIMING-2014
Sway-X7-2017	SIWEI-X7-2017
SMART-FORJEREMY-2013	SMART-FORJEREMY-2013
SMART-FORTWO-2009~2011	SMART-FORTWO-2009~2011
SMART-FORTWO-20162017	SMART-FORTWO-20162017
Tang Jun -- Jinlika -- 0000	TANGJUN-JINLIKA
Tang Jun-K3-0000	TANGJUN-K3
Tang Jun - Ou Ling -0000	TANGJUN-OULING
Tang Jun-Ouling -0000-2	TANGJUN-OULING-0000-2
Tang Jun-Ouling-0000-3	TANGJUN-OULING-0000-3
Tang Jun-Ouling-0000-ZB5815P3t	TANGJUN-OULING-0000-ZB5815P3T
Tang Jun-Sai Ling -0000	TANGJUN-SAILIN
Tang Jun - Sailin A6-0000	TANGJUN-SAILINA6
Tang Jun -T6-2013	TANGJUN-T6-2013
Tang Jun - Mini BMW -0000	TANGJUN-XIAOBAOMA

Type of vehicle	Car model code
Tangjun - Xinyu Ma -2016	TANGJUN-XINYUMA-2016
Tenza - Tenza -2017	TENGSHI-TENGSHI-2017
Tesla -MODELS-20142015	TESILA-MODELS-20142015
Tesila -MODELS-20162017	TESILA-MODELS-20162017
Tesla-ModelX-2016	TESILA-MODELX-2016
Weichai Yingzhi - Yingzhi 727-2016	WEICAIYINGZHI-YINGZHI727-2016
Weicaiyingzhi -- Weicaiyingzhi V5-2009~2012	WEILIN-WEILINV5-2009~2012
WEY-VV5-2017	WEY-VV5-2017
Volvo-c30-2006 ~2010	WOERWO-C30-2006~2010
Volvo-c30-2011 ~2013	WOERWO-C30-2011~2013
Volvo-s40-2004 ~2006	WOERWO-S40-2004~2006
Volvo-S60-2004	WOERWO-S60-2004
Volvo-s60-20112012 (Volvo-V60-2011)	WOERWO-S60-20112012(WOERWO-V60-2011)
Volvo-s60l-2014 ~2017	WOERWO-S60L-2014~2017
Volvo-S80L-2009	WOERWO-S80L-2009
Volvo-s80l-2009 ~2012-AWD	WOERWO-S80L-2009~2012-AWD
Volvo-S80L-2010	WOERWO-S80L-2010
Volvo-S80L-20142015	WOERWO-S80L-20142015
Volvo-S90L-2017	WOERWO-S90L-2017
Volvo-V40-201320152016	WOERWO-V40-201320152016
Volvo-v60-2014 ~2016	WOERWO-V60-2014~2016
Volvo-xc60-2011 -JINKOU	WOERWO-XC60-2011-JINKOU
Volvo-xc60-2015 ~2017	WOERWO-XC60-2015~2017
Volvo -XC90-2007~2013	WOERWO-XC90-2007~2013
Volvo -XC90-2015~2018	WOERWO-XC90-2015~2018
Wuling-6320-2004	WULING-6320-2004
Wuling-hongtu -2009	WULING-HONGTU-2009
Wuling-pn truck-2009	WULING-PNHUOCHE-2009
Wuling-pn truck-2010	WULING-PNHUOCHE-2010
Wuling-pn truck 1010PLNNF-2010	WULING-PNHUOCHE1010PLNNF-2010

Type of vehicle	Car model code
Wuling-wuling Hongguang -- 20102013	WULING-WULINGHONGGUANG-20102013
Wuling - Wuling Hongguang -201020132014	WULING-WULINGHONGGUANG-201020132014
Wuling - Wuling Hongguang -2013-HAOHUA	WULING-WULINGHONGGUANG-2013-HAOHUA
Wuling - Wuling Hongguang -2013~2015	WULING-WULINGHONGGUANG-2013~2015
Wuling - Wuling Hongguang -2015	WULING-WULINGHONGGUANG-2015
Wuling - Wuling Hongguang -2016	WULING-WULINGHONGGUANG-2016
Wuling - Wuling Hongguang V-2015	WULING-WULINGHONGGUANGV-2015
Wuling -- Wuling Rongguang -- 20082011	WULING-WULINGRONGGUANG-20082011
Wuling - Wuling Rongguang -2009	WULING-WULINGRONGGUANG-2009
Wuling-wuling Grongguang -- 2012	WULING-WULINGRONGGUANG-2012
Wuling - Wuling Rongguang -2014	WULING-WULINGRONGGUANG-2014
Wuling - Wuling Xingwang -20092010	WULING-WULINGXINGWANG-20092010
Wuling-wuling Yangguang -- 2006	WULING-WULINGYANGGUANG-2006
Wuling - Wuling Journey -2015	WULING-WULINGZHENGCHENG-2015
Wuling - Wuling Zhiguang -2005	WULING-WULINGZHIGUANG-2005
Wuling - Wuling Zhiguang -2007	WULING-WULINGZHIGUANG-2007
Wuling -- Wuling Light -- 2010 -- LIYE	WULING-WULINGZHIGUANG-2010-LIYE
Wuling - Wuling Zhiguang -2010-SHIYONG	WULING-WULINGZHIGUANG-2010-SHIYONG
Wuling-wuling Zhiguang -2010-XINLIYE	WULING-WULINGZHIGUANG-2010-XINLIYE
Wuling - Wuling Zhiguang -2013-SHIYONG	WULING-WULINGZHIGUANG-2013-SHIYONG
Wuling-wuling Zhiguang -- 2015	WULING-WULINGZHIGUANG-2015
Isuzu -C-2010	WUSHILING-C-2010
Isuzu -DMAX-20152018	WUSHILING-DMAX-20152018
Isuzu -MU-2015	WUSHILING-MU-2015
Isuzu -NPR66L(IsuzU -NHR55ELDWCJ)	WUSHILING-NPR66L(WUSHILING-NHR55ELDWCJ)
Isuzu - Pickup -2009	WUSHILING-PIKA-2009
Isuzu - Pika -2009-2	WUSHILING-PIKA-2009-2
Five Signs - Altridge 1700-0000	WUZHENG-AOCHI1700
Xiali-a +-20102011	XIALI-A+-20102011
Xiali-N3-2004	XIALI-N3-2004

Type of vehicle	Car model code
Xiali-N3-2008	XIALI-N3-2008
Xiali-genya -2006	XIALI-SHENYA-2006
Xiali -TJ7131-2002	XIALI-TJ7131-2002
Hyundai - Grui -2013	XIANDAI-GERUI-2013
Xiandai -- Gerui -- 20152016	XIANDAI-GEYUE-20152016
Hyundai - Hui Yi -2011	XIANDAI-HUIYI-2011
Hyundai -I30-2009	XIANDAI-I30-2009
Hyundai -IX25-2015	XIANDAI-IX25-2015
Hyundai -IX35-2010~2012	XIANDAI-IX35-2010~2012
Hyundai -IX35-2013	XIANDAI-IX35-2013
Hyundai - Genesis -20152016	XIANDAI-JIEENSI-20152016
Hyundai - Coolpad -2004	XIANDAI-KUPAI-2004
Hyundai - Coolpad -2006	XIANDAI-KUPAI-2006
Xiandai-langdong -20122013	XIANDAI-LANGDONG-20122013
Hyundai - Langdong -2015	XIANDAI-LANGDONG-2015
Hyundai - Langdong -2016	XIANDAI-LANGDONG-2016
Hyundai - Genesis Coolpad -20092010	XIANDAI-LAOENSIKUPAI-20092010
Hyundai - Genesis Coolpad -2012	XIANDAI-LAOENSIKUPAI-2012
Hyundai - Lead -2016	XIANDAI-LINGDONG-2016
Hyundai -- Lingxiang -- 2009	XIANDAI-LINGXIANG-2009
Hyundai - Mingtu -20132014	XIANDAI-MINGTU-20132014
Hyundai - Mingtu -2017	XIANDAI-MINGTU-2017
Xiandai - Mingtu -2009	XIANDAI-MINGYU-2009
Hyundai - Brand New Shengda -2013	XIANDAI-QUANXINSHENGDA-2013
Xiandai - New Shengda -20132015	XIANDAI-QUANXINSHENGDA-20132015
Xiandai - New Shengda -2017	XIANDAI-QUANXINSHENGDA-2017
Hyundai - Ruifeng -2007	XIANDAI-RUIFENG-2007
Hyundai - Ruifeng -2011	XIANDAI-RUIFENG-2011
Hyundai - Ruina -2010	XIANDAI-RUINA-2010
Xiandai-ruina -2014	XIANDAI-RUIYI-2014

Type of vehicle	Car model code
Hyundai - Shengda -2007	XIANDAI-SHENGDA-2007
Hyundai - Shengda -2011	XIANDAI-SHENGDA-2011
Hyundai - Santa Fe -2005~2007	XIANDAI-SHENGDAFEI-2005~2007
Hyundai - Sonata -2004	XIANDAI-SUONATA-2004
Hyundai - Sonata -200420062008	XIANDAI-SUONATA-200420062008
Hyundai - Sonata -2006	XIANDAI-SUONATA-2006
Hyundai - Sonata -2008	XIANDAI-SUONATA-2008
Hyundai - Sonata - 8-2010	XIANDAI-SUONATA8-2010
Hyundai - Sonata 8-20132015	XIANDAI-SUONATA8-20132015
Hyundai - Sonata 9-20152017	XIANDAI-SUONATA9-20152017
Hyundai - Sonata 9-2017	XIANDAI-SUONATA9-2017
Hyundai - Sonata 9-2017-GLX	XIANDAI-SUONATA9-2017-GLX
Hyundai - Sonata 9-2017-GX	XIANDAI-SUONATA9-2017-GX
Hyundai - Tlaka -2004	XIANDAI-TELAKA-2004
Hyundai - Tucson -2006	XIANDAI-TUSHENG-2006
Hyundai - Tucson -2009	XIANDAI-TUSHENG-2009
Hyundai - Tucson -2013	XIANDAI-TUSHENG-2013
Hyundai - Tucson -2015	XIANDAI-TUSHENG-2015
Hyundai -Veloster - Tusheng -2011	XIANDAI-VELOSTERFEISI-2011
Hyundai - Velosterfeisi -2015	XIANDAI-VELOSTERFEISI-2015
Modern - Vilax -2009	XIANDAI-WEILAKESI-2009
Xiandai - New Shengda -2006-JINKOU	XIANDAI-XINSHENGDA-2006-JINKOU
Hyundai - Xinshengda -2010-JINKOU	XIANDAI-XINSHENGDA-2010-JINKOU
Hyundai - Accent -20082009	XIANDAI-YASHENTE-20082009
Hyundai - Accent -2010-JINKOU	XIANDAI-YASHENTE-2010-JINKOU
Xiandai - Yashente -2011	XIANDAI-YASHENTE-2011
Xiandai - Yashente -2009	XIANDAI-YAZUN-2009
Xiandai-yazun -20112012-JINKOU	XIANDAI-YAZUN-20112012-JINKOU
Hyundai - Elantra -2004	XIANDAI-YILANTE-2004
Hyundai - Yilante -2007	XIANDAI-YILANTE-2007

Type of vehicle	Car model code
Xiandai - Yilante -2011	XIANDAI-YILANTE-2011
Xiandai-yilante -- 2008~2010	XIANDAI-YUEDONG-2008~2010
Hyundai - Yuedong -2011	XIANDAI-YUEDONG-2011
Hyundai - Yuedong -2015	XIANDAI-YUEDONG-2015
Hyundai - Yuedong -2016	XIANDAI-YUEDONG-2016
Hyundai - Yuedong -2017	XIANDAI-YUEDONG-2017
Hyundai - Yue Na -2016	XIANDAI-YUENA-2016
Hyundai - Yuxiang -2005	XIANDAI-YUXIANG-2005
Chevrolet -- Aveo -- 20112013	XUEFULAN-AIWEIOU-20112013
Chevy - Aiweiou -2014	XUEFULAN-AIWEIOU-2014
Chevy - Trancor -2016	XUEFULAN-CHUANGKU-2016
Chevy - Chuangku -2017	XUEFULAN-CHUANGKU-2017
Chevy - Vista -20052006	XUEFULAN-JINGCHENG-20052006
Chevy - Jingcheng -20072008	XUEFULAN-JINGCHENG-20072008
Chevrolet - Vista -200820112012	XUEFULAN-JINGCHENG-200820112012
Chevy - Jingcheng -201020112012	XUEFULAN-JINGCHENG-201020112012
Chevy - Cruze -2013	XUEFULAN-KELUZI-2013
Chevy - Cruze -2015	XUEFULAN-KELUZI-2015
Chevy - Cruze -2015-2	XUEFULAN-KELUZI-2015-2
Chevrolet - Cruze -20172018	XUEFULAN-KELUZI-20172018
Chevrolet - Cruze AT-2009	XUEFULAN-KELUZIAT-2009
Chevy - Cruze MT-2009	XUEFULAN-KELUZIMT-2009
Chevrolet - Camaro -2012	XUEFULAN-KEMAILUO-2012
Chevy - Kopaci -2010-JINKOU	XUEFULAN-KEPAQI-2010-JINKOU
Chevy - Kopaci -20142015	XUEFULAN-KEPAQI-20142015
Chevy - Kovoz -2016	XUEFULAN-KEWOZI-2016
Chevy - Aveo -2005	XUEFULAN-LECHENG-2005
Chevy - Lezzi -2008	XUEFULAN-LECHI-2008
Chevy - Lechi -20062007	XUEFULAN-LEFENG-20062007
Chevy - Lefeng -2009	XUEFULAN-LEFENG-2009

Type of vehicle	Car model code
Chevrolet - Lefeng RV-2016	XUEFULAN-LEFENGRV-2016
Chevrolet Malibu -2012~2014	XUEFULAN-MAIRUIBAO-2012~2014
Chevrolet - Malibu -20162017	XUEFULAN-MAIRUIBAO-20162017
Chevrolet - Malibu XL-20162017	XUEFULAN-MAIRUIBAOXL-20162017
Chevy - Sail -2004	XUEFULAN-SAIOU-2004
Chevy - Sail -20102012	XUEFULAN-SAIOU-20102012
Chevy - Sail -20152016	XUEFULAN-SAIOU-20152016
Chevy - Surveyor -2017	XUEFULAN-TANJIEZHE-2017
Citroen - Elysee -20042007	XUETIELONG-AILISHE-20042007
Citroen - Elysee -2009~2013	XUETIELONG-AILISHE-2009~2013
Citroen - Elysee -2014	XUETIELONG-AILISHE-2014
Citroen - Elysee -2017	XUETIELONG-AILISHE-2017
Citroen - Picasso -2004	XUETIELONG-BIJIASUO-2004
Citroen - Picasso -2007	XUETIELONG-BIJIASUO-2007
Citroen -C2-2010	XUETIELONG-C2-2010
Citroen -C3XR-20152017	XUETIELONG-C3XR-20152017
Citroen -C4L-2014	XUETIELONG-C4L-2014
Citroen -C4L-2016	XUETIELONG-C4L-2016
Citroen -C4 Picasso -20142015-JINKOU	XUETIELONG-C4PICASSO-20142015-JINKOU
Citroen -C4 Picasso -2015-JINKOU	XUETIELONG-C4PICASSO-2015-JINKOU
Citroen -C4 Sega -2016	XUETIELONG-C4SHIJIA-2016
Citroen -C5-2011	XUETIELONG-C5-2011
Citroen -C5-2014~2016	XUETIELONG-C5-2014~2016
Citroen -DS4-2012	XUETIELONG-DS4-2012
Citroen -DS5-2012	XUETIELONG-DS5-2012
Citroen - Fukang -200420052007	XUETIELONG-FUKANG-200420052007
Citroen - Senna -20042005	XUETIELONG-SAINA-20042005
Citroen - Sega -2007	XUETIELONG-SHIJIA-2007
Citroen - Sega -200820092011	XUETIELONG-SHIJIA-200820092011
Citroen - Sega -20122013	XUETIELONG-SHIJIA-20122013

Type of vehicle	Car model code
Citroen - Sega -2014-VTS	XUETIELONG-SHIJIA-2014-VTS
Citroen - Tiat -2017	XUETIELONG-TIANYI-2017
Yantai -1027 series -2010	YANTAI-1027XILIE-2010
Yantai-YTQ5031CCYWF5TV-0000	YANTAI-YTQ5031CCYWF5TV
Mustang -T70-2016	YEMA-T70-2016
Infiniti -ESQ-2014	YINGFEINIDI-ESQ-2014
Infiniti -EX35-2008	YINGFEINIDI-EX35-2008
Infiniti -FX-2007	YINGFEINIDI-FX-2007
Infiniti -FX-2009	YINGFEINIDI-FX-2009
Infiniti -GXI-2007	YINGFEINIDI-GXI-2007
Infiniti -GXI-2009	YINGFEINIDI-GXI-2009
Infiniti -GXI-2010~2013	YINGFEINIDI-GXI-2010~2013
Infiniti -JX-20112013	YINGFEINIDI-JX-20112013
Infiniti -M-2011~2013	YINGFEINIDI-M-2011~2013
Infiniti -Q50L-20152016	YINGFEINIDI-Q50L-20152016
Infiniti -- Q50L-20152016-HAOHUA	YINGFEINIDI-Q50L-20152016-HAOHUA
Infiniti -- Q70L-20152017	YINGFEINIDI-Q70L-20152017
Infiniti -QX-2011	YINGFEINIDI-QX-2011
Infiniti -QX30-20162017	YINGFEINIDI-QX30-20162017
Infiniti -QX50-2015	YINGFEINIDI-QX50-2015
Inta-cj1041YT-0000	YINGTIAN-CJ1041YT
Faw-pentium B30-2014~2017	YIQI-BENTENGB30-2014~2017
Faw-pentium B50-2012	YIQI-BENTENGB50-2012
Faw-pentium B50-2013	YIQI-BENTENGB50-2013
Faw-pentium B50-2016	YIQI-BENTENGB50-2016
Faw-pentium B50-20162018	YIQI-BENTENGB50-20162018
Faw-pentium B70-2012	YIQI-BENTENGB70-2012
Faw-pentium B70-2014	YIQI-BENTENGB70-2014
Faw-pentium B90-2016	YIQI-BENTENGB90-2016
Faw-pentium X80-2013	YIQI-BENTENGX80-2013

Type of vehicle	Car model code
Faw -- Hongqi Shengshi -- 2009	YIQI-HONGQISHENGSHI-2009
Faw-jiabao T51-2011	YIQI-JIABAOT51-2011
Faw-jiabao T55-2011	YIQI-JIABAOT55-2011
Faw-jiabao V52-20102011	YIQI-JIABAOV52-20102011
Faw-jiabao V52-2011	YIQI-JIABAOV52-2011
Faw-jiabao V55-2011	YIQI-JIABAOV55-2011
Faw-jiabao V70-2012	YIQI-JIABAOV70-2012
Faw-jiabao V80-2013	YIQI-JIABAOV80-2013
Faw -- Jiefang Baoling -- 0000	YIQI-JIEFANGBALING-0000
Faw-jiefangbaling 3-0000	YIQI-JIEFANGBALING3-0000
Faw-jiefangbaling V-0000	YIQI-JIEFANGBALINGV
Faw-jiefangbalingv S230-0000	YIQI-JIEFANGGONGSHIS230
Faw - Jiefang Hongta Jinka -0000	YIQI-JIEFANGHONGTAJINGKA
Faw-jiefang Tiger V-0000	YIQI-JIEFANGHUV-0000
Faw-jiefang J6F-0000	YIQI-JIEFANGJ6F
Faw-jiefang Jiabao-2000	YIQI-JIEFANGJIABAO-2000
Faw -- Jiefang Jinling -- 0000	YIQI-JIEFANGJINLING-0000
Faw-junpai A70-2016	YIQI-JUNPAIA70-2016
FAW-JunpaiaD60-2015	YIQI-JUNPAID60-2015
FAW-JunpaiD60-2016	YIQI-JUNPAID60-2016
Faw-kuncheng -- 2012	YIQI-KUNCHENG-2012
Faw-oulang -- 2012~2014	YIQI-OULANG-2012~2014
Faw-senya M80-20092011	YIQI-SENYAM80-20092011
Faw-senya R7-20162017	YIQI-SENYAR7-20162017
FAW-SenYARS80-2013	YIQI-SENYAS80-2013
FAW-SenYAS-S80-2015	YIQI-SENYAS80-2015
Faw-gm 501-0000	YIQI-TONGYONG501-0000
Faw-gm Xiaojiefang -0000	YIQI-TONGYONGXIAOJIEFANG-0000
FAW-Wile-2004	YIQI-WEILE-2004
FAW-Weile-2008	YIQI-WEILE-2008

Type of vehicle	Car model code
FAW-Weile-20082011	YIQI-WEIZHI-20082011
FAW-Weizhi-2011-Shushi	YIQI-WEIZHI-2011-SHUSHI
Faw-weizhi V2-2010	YIQI-WEIZHIV2-2010
FAW-WeIZhiV5-2013	YIQI-WEIZHIV5-2013
FAW-Weiz-20042011	YIQI-WEIZI-20042011
FAW-Xiali-2000	YIQI-XIALI-2000
FAW-Xiali-2012	YIQI-XIALI-2012
Faw-xiali N3-2012	YIQI-XIALIN3-2012
Faw-xiali N5-2014	YIQI-XIALIN5-2014
Faw-xiali N7-2013	YIQI-XIALIN7-2013
Faw New Energy - Jiabao V80EV-2016	YIQIXINNENGYUAN-JIABAOV80EV-2016
Iveco - Baodi -2013	YIWEIKE-BAODI-2013
Iveco - Smug -2009	YIWEIKE-DEYI-2009
Iveco - Deyi -2012	YIWEIKE-DEYI-2012
Iveco - Torino -2004	YIWEIKE-DULING-2004
Iveco - Torino -2009	YIWEIKE-DULING-2009
Iveco -JH8810-2007	YIWEIKE-JH8810-2007
Iveco -TURBODAILY-2011	YIWEIKE-TURBODAILY-2011
Yongyuan -A380-2014	YONGYUAN-A380-2014
Royal Jet -Q5S-2014	YUJIE-Q5S-2014
Yu Sheng-S330-2016	YUSHENG-S330-2016
Yusheng -S350-20112012	YUSHENG-S350-20112012
Yusheng -S350-2013	YUSHENG-S350-2013
Yusheng -S350-20162017	YUSHENG-S350-20162017
Zhitou -D1-2016	ZHIDOU-D1-2016
Zhidou -D2-2015	ZHIDOU-D2-2015
Zhidou-D2-2017	ZHIDOU-D2-2017
Zhidou-60H-2017	ZHINUO-60H-2017
Sinotruk - Howo Warrior	ZHONGGUOZHONGQI-HOWOHANJIANG
Sinotruk - Howohanzong	ZHONGGUOZHONGQI-HOWOTONGSHUAI

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Type of vehicle	Car model code
Sinotruk Hauman-H3	ZHONGGUOZHONGQIHAOMA-H3
Zhongzhong-H230-2012	ZHONGHUA-H230-2012
Zhonghua-H330-2013	ZHONGHUA-H330-2013
Zhonghua-H530-20112012	ZHONGHUA-H530-20112012
Zhonghua-h530-2014 ~2017	ZHONGHUA-H530-2014~2017
Zhonghua-junjie -- 2007	ZHONGHUA-JUNJIE-2007
Zhonghua - Junjie -2011	ZHONGHUA-JUNJIE-2011
Zhonghua - Junjie CROSS-2010	ZHONGHUA-JUNJIECROSS-2010
Zhonghua - Junjiecross - FRV-2008	ZHONGHUA-JUNJIEFRV-2008
Zhonghua - JunjieFRV -2010	ZHONGHUA-JUNJIEFRV-2010
Zhonghua - JunjiefrV -2009	ZHONGHUA-JUNJIEFSV-2009
Zhonghua-JunjieFSV-2011	ZHONGHUA-JUNJIEFSV-2011
Zhonghua-kubo -2007	ZHONGHUA-KUBAO-2007
Zhonghua-V3-20152016	ZHONGHUA-V3-20152016
Zhonghua-V5-2012	ZHONGHUA-V5-2012
Zhonghua-V5-20142016	ZHONGHUA-V5-20142016
Zhonghua - Zhonghua -2002	ZHONGHUA-ZHONGHUA-2002
Zhonghua - Zunchi -2004	ZHONGHUA-ZUNCHI-2004
Truk Ace -7-0000	ZHONGQIWANGPAI-7
Zhongshun - Century -2006	ZHONGSHUN-SHIJI-2006
Zhongshun - Shiji -2006-2	ZHONGSHUN-SHIJI-2006-2
Zhongtai -2008-2008	ZHONGTAI-2008-2008
Zhongtai-5008-2008	ZHONGTAI-5008-2008
Zhongtai-5008-2010	ZHONGTAI-5008-2010
Zotye - Damai X5-2015~2017	ZHONGTAI-DAMAIX5-2015~2017
Zhongtai - Damaix7-20162017	ZHONGTAI-DAMAIX7-20162017
Zhongtai-E20-2014	ZHONGTAI-E20-2014
Zhongtai-e200-2014 ~2017	ZHONGTAI-E200-2014~2017
Zhongtai - Jiangnan TT-2010	ZHONGTAI-JIANGNANTT-2010
Zhongtai -- M300-2010	ZHONGTAI-M300-2010

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Type of vehicle	Car model code
Zhongtai-SR7-2016	ZHONGTAI-SR7-2016
Zotye -SR9-2017	ZHONGTAI-SR9-2017
Zhongtai-T600-2014-Luhu	ZHONGTAI-T600-2014-LUHU
Zhongtai-t600-2014 ~2017	ZHONGTAI-T600-2014~2017
Zhongtai-T600-2018	ZHONGTAI-T600-2018
Zhongtai-t600coupe -2017	ZHONGTAI-T600COUPE-2017
Zhongtai-T700-2017	ZHONGTAI-T700-2017
Zhongtai-V10-2011	ZHONGTAI-V10-2011
Zhongtai-Z100-2013	ZHONGTAI-Z100-2013
Zhongtai-Z200-2011	ZHONGTAI-Z200-2011
Zhongtai-Z300-2012	ZHONGTAI-Z300-2012
Zhongtai-Z300-2016	ZHONGTAI-Z300-2016
Zhongtai-z500-20152016 (Zhongtai-Z560-2017)	ZHONGTAI-Z500-20152016(ZHONGTAI-Z560-2017)
Zhongtai-Z700-2016	ZHONGTAI-Z700-2016
Zhongtai - Zhima -2017	ZHONGTAI-ZHIMA-2017
Zhong-C3-2014	ZHONGXING-C3-2014
Zhongxing -GX3-2015	ZHONGXING-GX3-2015
Zhongxing -- Overlord -- 20162018	ZHONGXING-LINGZHU-20162018
Zhongxing - Flagship A9-2009	ZHONGXING-QIJIANA9-2009
Zhongxing -- Weihu -- 2011~2017	ZHONGXING-WEIHU-2011~2017
Zhongxing Weihu G3-2012	ZHONGXING-WEIHUG3-2012
Zhongxing-Weihu-G3-2013	ZHONGXING-WEIHUG3-2013
Zhongxing -- Little Tiger -- 2015	ZHONGXING-XIAOLAOHU-2015
Zhongxing - Xintian Field -2003	ZHONGXING-XINTIANYE-2003

7.1.7 Car Type Table

7.1.7.1 Instructions

Type of vehicle	Car model code
Alfa Romeo-GiuliA-2017	AERFALUOMIOU-GIULIA-2017

The vehicle code is composed of "Vehicle brand - vehicle brand model - Vehicle brand year" and the code "AERFALUOMIOU-GIULIA-2017". VehicleBrand=AERFALUOMIOU vehicle brand model VehicleBrandType=GIULIA vehicle brand year VehicleBrandYear=2017

7.1.7.2 Form Of Vehicle Type

7.1.4 Yellow Card bayonet Vehicle 7.1.5 Blue brand electric police car 7.1.6 Blue brand Bayonet vehicle

7.1.8 Type Table of Vehicle Logo

Coding	Name
A0	Audi
A1	Alpha Romeo
A2	Ankai Bus
A3	Anyuan Bus
A4	Aston Martin
A5	Ossein
A6	Antong Bus
B0	Benz
B1	Beijing Automotive
B2	Bugadi
B3	Buick
B4	Bentley
B5	BMW
B6	Porsche
B7	Honda
B8	Pentium
B9	BYD
BA	Peugeot
BB	Beiqi Weiwang
BC	Baojun
BD	Baic magic speed
BE	Gems

Coding	Name
BF	Pekin
BG	Northrun heavy truck
BH	Northern Coach
BI	Galloping horses
BJ	Baic Manufacturing
BK	Bbos
BL	Baostrals
BM	Borgward
BN	Beiqi Daoda
BO	Specific speed
BP	Made in Beijing
BQ	Bugatti
C0	Chang ’an
C1	The Great Wall
C2	Changfeng
C3	Sichuan Steam Mustang
C4	Changhe
C5	Changan Crossing
C6	Changan Bus
C7	Cyan
C8	Changan Auchan
C9	Successful
CA	Chu
CB	Chufeng School Bus
CC	Changan School Bus
CE	Long Deer Bus
D0	East Wind
D1	Daihatsu
D2	Dongfeng Fengshen

Coding	Name
D3	Emgrand
D4	Southeast
D5	Dodger
D6	Volkswagen
D7	Daewoo
D8	Dongfeng Liuqi
D9	D9
DA	Dongfeng Bus
DB	Dongfeng Nissan Chai
DC	The East is Red
DD	East wind Yangtze River
DE	DS
DF	Dasia
DG	Datsun
DH	Daewoo Bus
DI	Electric coffee
DJ	Dongfeng Shenyu
DK	Dongfeng Nanchong
DL	Chase Bus
F0	Flying saucer
F1	Ferrari
F2	Toyota
F3	Ford
F4	Foton
F5	Fiat
F6	Faddy
F7	Foton Era
F8	Foton Bus
F9	Toyota Reishi

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Coding	Name
FA	Toyota Coach
FB	Flying Bus
FC	Foda
FD	Ford Kai Teng
FE	Foton Crew
FF	Foton Daimler
G0	GMC
G1	GAC
G2	Gac Hino
G3	Gac Ggio
G4	Qoros
G5	Kogang
G7	Gac Bus
H0	Hafei
H1	Hwanghae
H2	Hummer
H3	Seahorse
H4	Wap
H5	Red Flag
H6	Huatai
H7	Crown
H8	Valin
H9	Haver
HA	Hager
HB	Hager Coach
HC	Red Rock
HD	Yellow Sea Bus
HE	Huizhong
HF	Hengshan Bus

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Coding	Name
HG	Hai Quan
HH	Hanten
HI	Panthers
HJ	Hengtian
HK	UPI
HL	Huakai
HM	Wally
HN	Hwa Song
HO	Horton
HP	Hwa Chong
HQ	Huaxi Bus
HR	Hengtong Bus
HS	Yellow Sea Trucks
HT	Howo Bus
HU	Joint passenger car
HV	Yellow Sea School Bus
HW	Yangzi Bus
J0	Geo
J1	Jaguar
J2	Gold Cup
J3	JAC
J4	Jillie
J5	Kowloon Motor
J6	Jeep Jeep
J7	Jiang Ling
J8	Golden Dragon
J9	Tauron
JA	Jiangling Bus
JB	Golden Brigade

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Coding	Name
JC	Golden Dragon Bus
JD	Gold Passenger Car
JE	Jac BUS
JF	River Ring
JH	Giemsi
JI	Jiangling New Energy
JJ	Jiangxi Isuzu
JK	Yoshiumi
JL	JL England
JM	JM
JN	Giang Teh
JO	Emancipation Bus
JP	Gijang Bus
JQ	Gold Cup Coach
JR	Jingma Bus
JS	Kinnan Bus
JT	Kowloon Coach
K0	Cadillac
K1	Chrysler
K2	Koenigseg
K3	Karry
K4	Kandy
K5	Kkema
K6	Karlsen
K7	Kwing
K8	Kwei
K9	Kievo
L0	Lamborghini
L1	Lifan

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Coding	Name
L2	Land Breeze
L3	Land Rover
L4	Lotus
L5	Lotus Cars
L6	Lincoln
L7	Lexus
L8	Suzuki
L9	Renault
LA	Rolls Royce
LB	Cheetah
LC	Concept
LD	Land Ark
LE	Union Truck
LF	Lada
LG	Lancia
LH	Reading
LI	Lifan Shijun
LJ	Lynk
LK	Collar Flag
LL	Long Khe
LM	Rayling
M0	Maybach
M1	McLaren
M2	MINI Mini
M3	Maserati
M4	Mazda
MG	MG
M5	Opel
M6	Acura

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Coding	Name
M7	mann
M8	Peony bus
M9	Morgan 4
N0	Nanjing Iveco
N1	Luxgen
N2	Nan Jun
N3	South Locomotive Era
N4	NEVS
P0	Pagani
Q0	Global Hawk
Q1	Chery
Q2	Kia
Q3	Venuca
Q4	Youth Coach
Q5	The Promise
Q6	Moped
R0	Nissan
R1	Riich
R2	Roewe
R3	Ritsch
S0	Sabo
S1	Subaru
S2	Double rings
S3	Shanghai England
S4	Spyker
S5	Skoda
S6	Mitsubishi
S7	Double Dragon
S8	Shaanxi Automobile

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Coding	Name
S9	Saic Maxus
SA	Saab
SB	Shifeng
SC	Ten Passes
SD	Three ring ten pass
SE	Sany Heavy Industry
SF	Five Signs of Shandong
SG	Shin Long Bus
SH	Shenwo Bus
SI	Si Ming
SJ	Scania
SK	SMART
SL	Shaolin Bus
SM	Sain
SN	Shi Jun
SO	Svay
SP	Shangrao Bus
SQ	Saic Hongyan
SR	Saic Leap Forward
ST	Set Coach
SU	Shangrao School bus
SV	Relaxation bus
SW	SWM
T0	Tang Jun
T1	Tesla
T2	Concentric Bus
T3	Denza
W0	Volvo
W1	Vilin

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Coding	Name
W2	Wuling Automobile
W3	Weizmann
W4	Isuzu
W5	Wuling
W6	Five Signs
W7	Ace Kamikaze
W8	Weichai Yingzhi
W9	WEY
WA	Wuling School Bus
WB	Wanda Bus
WC	Wuling Bus
WD	Wuzhou Dragon Bus
X0	Modern
X1	Chevy
X2	Chali
X3	Citroen
X4	Seat
X5	New Earth
X6	Xugong
X7	Xugong heavy truck
X8	Westlands Bus
X9	Sevo Bus
XA	Modern bus
Y0	Infiniti
Y1	FAW
Y2	Iveco
Y3	Eita
Y4	Faw Lute
Y5	Expedition

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Coding	Name
Y6	Leap Forward
Y7	Yutong Bus
Y8	Drive to Victory
Y9	Swallow Terrace
YA	Ya Xing
YB	Mustang
YC	Yongyuan
YE	Royal Chop
YF	A tow of heavy trucks
YG	Yutong School bus
YH	Faw Hongta
YI	Faw bus
YK	Friendship Bus
YL	Koshi Bus
YM	Yuzhou bus
Z0	Chunghwa
Z1	Zotye
Z2	ZTE
Z3	Sinotruk
Z4	Truk Ace
Z5	Zto Tong
Z6	Zhidou
Z7	Medium Cis
Z8	Zino
Z9	Zoomlion
ZA	Truk Hauman
ZB	Diamond Bus
ZD	CRRC passenger cars
ZE	Heavy bus bus

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Coding	Name
99	Unknown
98	To be identified

7.1.9 Vehicle Type

Code	Vehicle type
0	Tricycle
1	bus
2	Compact car
3	Mid-sized car
4	Large car
5	Two-wheeler
6	Motorcycle
7	Tractor
8	Farm van
9	sedan
10	SUV
11	Van
12	Minivan
13	Minibus
14	Bus/jumbo bus
15	Large van
16	Pickup truck
17	Commercial vehicle
18	Sports Car
19	Minicar
20	Hatchback sedan
21	Sedan
22	Light passenger car
23	Medium van
24	Trailer

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Code	Vehicle type
25	Tank car
26	Sprinkler
998	Unknown
999	Other

7.1.10 Types of Violations

Type of Violation Description	Illegal Type Code
Occupying a non-motorized lane	1018
Occupy a dedicated lane/Occupy a dedicated bus lane	1019
No entry lane for lorries/Yellow Card No entry lane for large lorries/off-site licence	1116
Line compression/double yellow line compression/single yellow line compression/crossing (illegal lane change)	1117
Illegal U-turn	1121
Reversing	1124
Turn not to go straight	1313
Not yielding to pedestrians	1357
Retrograde	1373
Occupying emergency lanes	1622
Running red Lights	1625
Non-motor vehicles driving in the wrong direction	2004
Non-motor vehicles running red lights	2007
Occupation of motor lanes	2009
Pedestrians running red lights	3001
Big bend and small turn	6088
Stopping at a red light	6090
Failure to follow lane	6095
Illegal left/illegal right/illegal straight	6095
Illegal parking	10393
No helmets for non-motor vehicles	12072
Green light follow through	12280

Type of Violation Description	Illegal Type Code
Green stop	16251
Manned	80031
Go green	8002A
Pressure stop line	138002
Overspeed	142001

7.1.11 Lane Types

Lane Type Code	Lane type
0	Motor vehicle lane/regular lane
1	Non-motorized lanes
2	Bus lanes
3	No lanes for vans
4	Emergency lanes
99	Other

7.1.12 Lane Directions

Lane direction code	Lane direction description
1	Straight line
2	Left turn
4	Right turn
8	U-turn

7.1.13 Direction of Travel

Driving direction code	Driving direction description
01	East to West
02	West to east
03	South to North
04	North South
05	Southeast to Northwest

Driving direction code	Driving direction description
06	Northwest to Southeast
07	Northeast to Southwest
08	Southwest to Northeast

7.1.14 Image Type

Code	Instructions
1	Snap the panorama/background shot
2	Small picture of the goal
3	License plate binary graph
4	Master driver facial features diagram
5	Map of the first officer's facial features
7	Composite diagram for violation
8	Cross car composite diagram
9	Close-up of the vehicle
10	Id photo pictures
11	Snap small pictures of faces
12	Small figure of the human body
13	Small drawing of motor vehicle
14	Non-motor vehicle small drawing
15	Large picture of face when structuring
16	Large picture of the human body when structuring
17	Large picture of motor vehicle when structuring
18	Non-motor vehicle large drawing when structured
19	Close-up of pedestrian (pedestrian running red light mode)
20	Small picture of face (pedestrian running red light mode)
23	Structured motor vehicle, non-motor vehicle, People, license plate into a big picture
24	License plate big picture
25	Visible light pictures
26	Thermal imaging pictures
27	Linkage channel snap picture

Code	Instructions
28	Hard hat big picture
29	Hard hat small drawing
30	Large picture of work clothes
31	Small drawing of work clothes

7.1.15 OSD Type

Code	Description
0	Not used
1	Custom
2	Time and date
3	PTZ controller
4	PTZ coordinates
5	Cruise information
6	Zooming information
7	Preset information
8	Alarm information
9	Coded information
10	Serial OSD
11	Head azimuth information
12	Channel name
13	Debug OSD
14	Head count OSD
15	Network port OSD
16	Time
17	Date
18	Esp OSD
19	Battery OSD
20	Rolling caption OSD
21	LOGO OSD
22	Vehicle flow at Skynet bayonet

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Code	Description
23	Skynet bayonet non-motorized traffic flow
24	Skynet bayonet pedestrian flow
25	INFOOSD type number

7.1.16 Channel Type

CODE	Description
VideoChannel	VideoChannel
Radar	Radar channel
InputSwitch	InputSwitch
Lock	The lock

7.2 Alarm Linkage Action Parameter Table

7.2.1 Alarm Linkage Action Parameter Table

ActID	Description	NVR ActParam
0	Linkage NVR preview	ChannelActParamInfo(See 7.2.8 Linkage Channel Parameter Table for details)
1	Linkage buzzer	EnabledActParamInfo(see 7.2.9 Linkage Parameter Table for details)
2	Linkage E-mail	EnabledActParamInfo(For details, see 7.2.9 Linkage Parameter Table)
3	Linked storage	ChannelActParamInfo(See 7.2.8 Linkage Channel Parameter Table for details)
4	Linkage head Preset	PresetActParamInfo (see 7.2.2 Pinion Preset for details)
5	Linkage switch output	OutputSwitchActParamInfo (See 7.2.3 Linkage Switch Output for details)
6	Linkage snaps	ChannelActParamInfo(See 7.2.8 Linkage Channel Parameter Table for details)
7	Linkage alarm box	EnabledActParamInfo(For details, see 7.2.9 Linkage Parameter Table)
8	Linkage Center Storage	Null
9	Linkage to start local storage	Null
10	Linkage stops local storage	Null

11	Linkage capture Upload FTP	Null
12	Linkage capture upload E-mail	Null
13	Linkage snap upload E-mail and FTP at the same time	Null
14	Smart linkage capture upload	Null
15	Linkage face small picture capture upload	Null
16	Linkage Alarm Reporting	Null
19	Working master/slave	Null
20	Linkage Attribute Capture	Null
21	Linkage picture cloud storage	Null
22	Linkage Automatic tracking	Null
28	Linkage sound alarm Monitor	AudioLinkagePlanInfo (see 7.2.4 Linkage Sound Alarm Monitor for details)
29	Linkage light alarm Monitor	LightLinkagePlanInfo (see 7.2.5 Linkage light alarm Monitor for details)
30	Linkage FTP video storage	Null

7.2.2 Linkage PTZ Preset

7.2.2.1 Parameter Examples

```
{
   "Num":2,
   "ChannelPresetList":[
{
      "ChannelID":1,
      "PresetID":1,
},
...
]
}
```

7.2.2.2 Parameter Table

Parameter Names	Whether required	Type of parameter	Description	Sample Values
Num	true	unsigned long	Number of Preset for linkage	M
ChannelPresetList	false	object[]	List of Preset for linkage	C

+ChannelID	false	unsigned long	Video input channel number IPC does not require this field	1
+PresetID	true	unsigned long	Preset number	1

7.2.3 Linkage Switch Output

7.2.3.1 Parameter Examples

```
{
  "Num":2,
  "IDs":[1,...]
}
```

7.2.3.2 Parameter Sheet

Parameter Names	Whether required	Type of parameter	Description	Sample Values
Num	true	unsigned long	Linkage switch output number	M
IDs	false	integer[]	The switching quantity of the linkage outputs the list of channel numbers For NVR, the value is video channel number *100+ alarm output serial number, and the device itself channel number is 0 For VMS, the value is the serial number of its own maintenance	C

7.2.4 Deploying an Audible Alarm

7.2.4.1 Parameter Examples

```
{
  "TimeMode":0,
  "AudioCustomInfo":{
    "Num":7,
    "Days":[
    {
      "ID":1,
      "Num":4,
      "TimeSectionInfos":[
      {
        "Enabled":0,
        "Begin":"00:00:00",
        "End":"23:59:59",
        "AudioActParamInfo":
          {
            "Enabled":1,
            "AudioFileID":1,
            "WarnCount":3,
            "AudioVolume":1,
```

```
            "VoiceTextContent":"Alarm${4}From${2}"
            }
          },
          ...
          ]
        }
        ]
    },
    "AudioDayNightInfo":{
      "Num":7,
      "Days":[
      {
        "ID":0,
        "AudioDayInfo":{
          "Enabled":0,
          "AudioActParamInfo":{
            "Enabled":1,
            "AudioFileID":1,
            "WarnCount":3,
            "AudioVolume":1,
            "VoiceTextContent":"Alarm
          ${4}From${2}"
          }
        },
        "AudioNightInfo":{
          "Enabled":0,
          "AudioActParamInfo":{
            "Enabled":1,
            "AudioFileID":1,
            "WarnCount":3,
            "AudioVolume":1,
            "VoiceTextContent":"Alarm
          ${4}From${2}"
          }
        }
      },
      ...
      ]
    }
}
```


7.2.4.2 Parameter Table

Parameter Names	type	Required	Description
TimeMode	integer	true	Linkage time Period Types 0: User-defined schedule mode 1: Day and night mode
AudioCustomInfo	object	false	Custom mode Linkage Sound Defense information Details. This parameter is mandatory when the PUT message is set to 0 or the TimeMode message is set to 0
+Num	integer	true	Planned days IPC fixed at 7(seven days a week)
+Days	object[]	true	List of Monitor plans for each day of the week
++ID	integer	true	Index of the Week

Parameter Names	type	Required	Description
			1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
++Num	integer	true	Number of time slots per day The number of IPC segments is fixed at 4
++TimeSectionInfos	object[]	true	Configuration information about deploying defense in a time range Time segments of the same day cannot coincide
+++Enabled	integer	true	Enable the defense time range 0: disables 1: enabled
+++Begin	string	true	Start time, format hh:mm:ss Length range: [0, 31]
+++End	string	true	End time in the format hh:mm:ss Length range: [0, 31]
+++AudioActParamInfo	object	true	Audible alarm configuration
++++Enabled	integer	true	Audible alarm linkage is enabled 0: disables 1: enabled
++++AudioFileID	integer	true	Audio file ID, used to identify different audio files Not supported by VMS
++++WarnCount	integer	true	Number of audible alarms, range: [1, 50], default 3 Unit: Number of times Not supported by VMS
++++AudioVolume	integer	false	Volume, which is used to adjust the output gain during alarms Range: [0, 255] Not supported by VMS
++++VoiceTextContent	string	false	For voice text content, the following properties can be used in addition to input text: Organization to which ${0} belongs The device that ${1} belongs to ${2} Alarm source ${3} Alarm time ${4} Alarm type Supported by VMS only
AudioDayNightInfo	object	false	This parameter is mandatory when the PUT message and the SupportDayNightMode are 1 and the TimeMode is 1 or the GET message and the SupportDayNightMode are 1
+Num	integer	true	Plan days IPC fixed at 7(seven days a week)
+Days	object[]	true	List of Monitor plans for each day of the week

Parameter Names	type	Required	Description
++ID	integer	true	Index of the Week 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
++AudioDayInfo	object	true	Information about the defense configuration during the day
+++Enabled	integer	true	Enable defense Monitor 0: disables 1: enabled
+++AudioActParamInfo	object	true	Audible alarm configuration
++++Enabled	integer	true	Audible alarm linkage is enabled 0: disables the alarm 1: enabled
++++AudioFileID	integer	true	Audio file ID, used to identify different audio files Not supported by VMS
++++WarnCount	integer	true	Number of audible alarms, range: [1, 50], default 3 Unit: Number of times Not supported by VMS
++++AudioVolume	integer	false	Volume size, used to adjust the output gain when the alarm is generated Range: [0, 255] Not supported by VMS
++++VoiceTextContent	string	false	For voice text content, the following properties can be used in addition to input text: Organization to which ${0} belongs The device that ${1} belongs to ${2} Alarm source ${3} Alarm time ${4} Alarm type Supported by VMS only
++AudioNightInfo	object	true	Information about the night defense configuration
+++Enabled	integer	true	Enable defense Monitor 0: disables 1: enabled
+++AudioActParamInfo	object	true	Audible alarm configuration
++++Enabled	integer	true	Audible alarm linkage is enabled 0: disables the alarm 1: enabled
++++AudioFileID	integer	true	Audio file ID, used to identify different audio files Not supported by VMS
++++WarnCount	integer	true	Number of audible alarms, range: [1, 50], default 3 Unit: Number of times Not supported by VMS

Parameter Names	type	Required	Description
++++AudioVolume	integer	false	Volume size, used to adjust the output gain when the alarm is generated Range: [0, 255] Not supported by VMS
++++VoiceTextContent	string	false	For voice text content, the following properties can be used in addition to input text: Organization to which ${0} belongs The device that ${1} belongs to ${2}Alarm source ${3}Alarm time ${4}Alarm type Supported by VMS only

7.2.5 Linkage Light Alarm Defense

7.2.5.1 Parameter Examples

```
{
  "TimeMode":0,
  "LightCustomInfo":{
    "LightActParamInfo":{
      "Enabled":1,
      "Interval":10,
      "Luminance":50,
      "LightTime":5,
      "Num":2,
      "Actions":[
      {
        "LightType":1,
      "LightParam":{}
      },
      ...
      ]
    },
    "LightWeekPlanInfo":{
      "Num":7,
      "Days":[
      {
        "ID":1,
        "Num":4,
        "TimeSectionInfos":[
        {
          "Enabled":0,
          "Begin":"00:00:00",
          "End":"23:59:59",
          "LightActParamInfo":{
            "Enabled":1,
            "Interval":10,
            "Luminance":50,
            "LightTime":5,
            "Num":2,
            "Actions":[
            {
              "LightType":1,
```

```
                "LightParam":{}
                },
                ...
                ]
              }
            },
            ...
            ]
          },
          ...
          ]
        }
      },
      "LightDayNightInfo":{
        "LightActParamInfo":{
          "Enabled":1,
          "Interval":10,
          "Luminance":50,
          "LightTime":5,
          "Num":2,
          "Actions":[
          {
            "LightType":1,
          "LightParam":{}
          },
          ...
          ]
        },
        "LightDayNightPlanInfo":{
          "Num":7,
          "Days":{
            "ID":1,
            "LightDayInfo":{
              "Enabled":0,
              "LightActParamInfo":{
                "Enabled":1,
                "Interval":10,
                "Luminance":50,
                "LightTime":5,
                "Num":2,
                "Actions":[
                {
                  "LightType":1,
                "LightParam":{}
                },
                ...
                ]
              }
            },
            "LightNightInfo":{
              "Enabled":0,
              "LightActParamInfo":{
                "Enabled":1,
                "Interval":10,
                "Luminance":50,
                "LightTime":5,
                "Num":2,
                "Actions":[
                {
                  "LightType":1,
                "LightParam":{}
                },
```

```
            ...
            ]
          }
        }
      }
    }
  }
}
```

7.2.5.2 Parameter Table

Parameter Names	Type	Required	Description
TimeMode	integer	true	Linkage time Period Types 0: User-defined schedule mode 1: Day and night mode
LightCustomInfo	object	false	Custom mode Linkage light defense information Details. This parameter is mandatory when the PUT message and TimeMode is 0 or the GET message is displayed
+LightActParamInfo	object	true	Light alarm configuration
++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled
++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
++Actions	object[]	false	List of linkage light type information, optional when Num is 0
+++LightType	integer	true	Type of lighting
+++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
+LightWeekPlanInfo	object	true	Linkage lighting Monitor details
++Num	integer	true	Plan days IPC fixed at 7(seven days a week)
++Days	object[]	true	List of Monitor plans for each day of the week
+++ID	integer	true	Index of the Week 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday

Parameter Names	Type	Required	Description
+++Num	integer	true	Number of time slots per day The number of IPC segments is fixed at 4
+++TimeSectionInfos	object[]	true	Configuration information about deploying defense in a time range Time segments of the same day cannot coincide
++++Enabled	integer	true	Enable the defense time range 0: disables 1: Enables the function
++++Begin	string	true	Start time, format hh:mm:ss Length range: [0, 31]
++++End	string	true	End time in the format hh:mm:ss Length range: [0, 31]
++++LightActParamInfo	object	true	Light alarm parameters Support Light linkage template Mandatory. For details, see 7.2.6 Template Configuration Capabilities
+++++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled
+++++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
+++++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
+++++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
+++++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
+++++Actions	object[]	false	List of linkage light type information, optional when Num is 0
++++++LightType	integer	true	Type of lighting
++++++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
LightDayNightInfo	object	false	This parameter is mandatory when the PUT message and SupportDayNightMode is 1 and TimeMode is 1 or the GET message and SupportDayNightMode is 1
+LightActParamInfo	object	true	Light alarm configuration
++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: Enables the function
++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
++Luminance	integer	false	Light brightness, range: [1, 1000], default 50

Parameter Names	Type	Required	Description
++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
++Actions	object[]	false	List of linkage light type information, optional when Num is 0
+++LightType	integer	true	Type of lighting
+++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
+LightDayNightPlanInfo	object	true	Linkage lighting Monitor details
++Num	integer	true	Plan days IPC fixed at 7(seven days a week)
++Days	object	true	List of Monitor plans for each day of the week
+++ID	integer	true	Index of the Week 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
+++LightDayInfo	object	true	Information about interlocking defense during the day
++++Enabled	integer	true	Enable defense Monitor 0: disables 1: enabled
++++LightActParamInfo	object	false	Light alarm configuration
+++++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled
+++++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
+++++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
+++++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
+++++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
+++++Actions	object[]	false	List of linkage light type information, optional when Num is 0
++++++LightType	integer	true	Type of lighting
++++++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table

Parameter Names	Type	Required	Description
+++LightNightInfo	object	true	Information about joint defense Monitor at night
++++Enabled	integer	true	Enable defense Monitor 0: disables 1: enabled
++++LightActParamInfo	object	false	Light alarm configuration
+++++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled
+++++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
+++++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
+++++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
+++++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
+++++Actions	object[]	false	List of linkage light type information, optional when Num is 0
++++++LightType	integer	true	Lighting type
++++++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table

7.2.6 Template Configuration Capabilities

Parameter Names	Whether required	Type of parameter	Description	Sample Values
SupportLightTemplate	true	boolean	Whether the lighting template configuration is supported: 0: No 1: Support	1
LightTemplateMaxNum	false	unsigned long	Supported light template configuration Mandatory. Set the maximum number of light templates.	1

7.2.7 Light Type Parameter Table

LightType	Description	IPC ActParam	NVR ActParam	VMS ActParam
1	White light	#LightParamInfo	Not Support	Not Support
2	Red and Blue Lights	#AlertLightParamInfo	Not Support	Not Support

7.2.8 Linkage Channel Parameter Table

7.2.8.1 Parameter Examples

```
{
   "Num":2,
   "IDs":[1,...]
}
```

7.2.8.2 Parameter Sheet

Parameter Names	Whether required	Parameter type	Description
Num	true	unsigned long	Number of video channels
IDs	false	array	Video channel ID

7.2.9 Linkage Parameter Table

7.2.9.1 Parameter Examples

```
{
   "Enabled":1
}
```

7.2.9.2 Parameter Table

Parameter name	Whether required	Type of parameter	Description	Sample Values
Enabled	true	boolean	0: no linkage 1: Linkage	1

7.3 Alarm Types

7.3.1 NVR Alarm and Operation Log Type Characters

Alarm and Log Main Type/Alarm and log main type	Alarm and Log Sub Type/Alarm and log main type	Type Description
AllTypes		All main types
	AllTypes	All subtypes
Alarm		Alarm
	AllTypes	All alarm subtypes

	MotionAlarmOn	Motion detection begins
	MotionAlarmOff	End of Motion detection
	VideoLossAlarmOn	Video loss Starts
	VideoLossAlarmOff	Video lost End
	MaskImageAlarmOn	Occlusion detection begins
	MaskImageAlarmOff	Occlusion detection over
	InputAlarmOn	Alarm input Start
	InputAlarmOff	Alarm input End
	AbnormalAudioOn	Audio detection begins
	AbnormalAudioOff	Audio detection complete
	LineDetectorCrossed	Linedetectorcrossed alarm
	ObjectIsRecognized	Face detection alarm
	FieldDetectorObjectsInside	Area Intrusion Alarm
	HumanShapeDetect	Human Detection Alarm
	POSAlarm	POS alarm
	ImageTooBlurryOn	Imagetooblurryon
	ImageTooBlurryOff	End of virtual focus detection
	GlobalSceneChange	Scene Change Detection
	AutoTrackingOn	Smart Tracking Starts
	AutoTrackingOff	Smart Track End
	ConflagrationAlarm	Fire point Alarm
	BodyTemperatureAlarm	Abnormal temperature alarm
	NoMaskAlarm	No mask alarm
	DiskOffline	Hard drive offline
	DiskAbnormal	Abnormal hard disk

	StorageFailure	Storage error
	StorageFailureCleared	Storage error recovery
	ScheduledRecordingFailure	Not stored as planned
	ScheduledRecordingFailureCleared	Failed to store recovery as planned
	IllegalLogin	Illegal access
	IPConflict	IP conflict
	NetworkDisconnected	Network disconnection
	RunningOutOfRecordingSpace	The recording storage space is about to be full
	RunningOutOfImageSpace	Image storage is about to be full
	RecordingSpaceUsedUp	The video storage space is full
	ImageSpaceUsedUp	Image storage is full
	AntiDisassemblyAlarm	Antidisassembly alarm
	AntiDisassemblyAlarmCleared	Antidisassembly alarm reinstated
	RAIDDisabled	Array damage
	RAIDDegraded	Array decline
	RecordingSnapshotAbnormal	The recording/capture is abnormal
	NetworkDisconnectedCleared	Network disconnection recovery
	IPConflictCleared	IP address conflict recovered
	IPCOnline	IPC on-line
	IPCOffline	IPC offline
	RAIDRecovered	Array back to normal
	InitializeRAID	Array initialization
	RebuildRAID	Array reconstruction
	PoEPortStatus	PoE Network port Status
	NetworkPortStatus	Switching network port Status

	DiskOnline	Hard drive online
	EnterArea	Enter the area
	LeaveArea	LeaveArea
	Loitering	Area Wandering
	ObjectRemoved	Object Carer
	ObjectLeftBehind	Item left behind
	PeopleGathering	People Gathering
	FastMoving	Fast moving
	POSAlarm	POS alarm
	FumesAlarm	Smoke alarm
	FlameAndFumesAlarm	Fireworks alarm
	AreaPeopleCountingAlarm	AreapeoplecountingAlarm
	SafetyHelmetAlarm	Failure to wear a hard hat alarm
	ChefHatAlarm	Chefhatalarm without chef hat
	TelephoningAlarm	TelephoningAlarm
	SmokingAlarm	Smoking alarm
	WorkClothesAlarm	Workclothesalarm not wearing overalls
	BodyTemperatureAlarm	Abnormal temperature alarm
	NoMaskAlarm	Not wearing a mask alarm
	FaceMatchAlarm	Face recognition matches alarms
	FaceNotMatchAlarm	Face recognition does not match the alarm
	SmartMotionDetectOn	Smart Motion Detection alarms
	FallOverAlarm	Fall Detection Alarm
	OffDutyDetectionAlarm	Off-duty detectionAlarm
	ReflectiveClothesDetectionAlarm	ReflectiveclothesDetectionAlarm

	ClimbingDetectionAlarm	ClimbingDetectionAlarm
	SleepingDetectionAlarm	SleepingDetectionAlarm
	FightDetectionAlarm	Fight Detection Alarm
	VehicleRecognitionMatchlistAlarm	Vehicle Recognition Matchlist Alarm
	VehicleRecognitionMismatchlistAlarm	Vehicle Recognition Mismatchlist Alarm
	VehicleDetect	Vehicle Detect

7.4 People Information Element Definition

7.4.1 HairStyle (HairStyleType)

Value in message	Instructions
0	Not sure
1	Long hair
2	Short hair

7.4.2 Posture, Angle (BodyAngleType)

Value in message	Instructions
0	Not sure
1	The front
2	Sides
3	Back

7.4.3 HatStyle (HatStyleType)

Value in message	Instructions
1	Woolen hat
2	beret
3	Baseball cap
4	Flat-necked hat
5	Fisherman Hat

6	Pullover hat
7	Quill cap
8	Big-brimmed Hat
99	Other

7.4.4 Type of Glasses (GlassesType)

Value in message	Instructions
0	Unknown
1	Regular glasses
2	Sunglasses
99	Other

7.4.5 Universal Color (LAPICommonColorType)

Value in message	Instructions
0	black.
1	white.
2	Grey
3	red.
4	blue.
5	yellow.
6	orange.
7	brown.
8	green.
9	purple.
10	Cyan
11	pink.
12	Transparent
13	Silver white
14	Dark colors
15	Light colors

guest41121A 2024/11/21 09:40:03

16	Colorless
17	Yellow and green
18	Gradient Green
99	Other
100	Unknown

7.4.6 Top Style (CoatStyleType)

Value in message	Instructions
0	Unknown
1	Short Sleeves
2	Long sleeves

7.4.7 CoatLength (CoatLengthType)

Value in message	Instructions
1	Long sleeves
2	Short Sleeves

7.4.8 Pant Length (PantsLengthType)

Value in message	Instructions
1	Long pants
2	Shorts

7.4.9 BagType (BagType)

Value in message	Instructions
0	Not sure
1	No Bags
2	Handbag
3	Backpack

7.4.10 Shoe Styles (ShoesStyleType)

Value in message	Instructions
0	Not sure
1	Knee-high Boots
2	Regular shoes

8 Update record

8.1 Update record

Date	Version	Modify chapter	Update content	Reviset
2024-04-28	V5.0		Officially released the external LAPI interface document	合作支持部
2024-06-11	V5.01	6.3 Events	Add 6.3.25 Cross Line Detection Data Push 6.3.26 Intrusion Detection Data Push	合作支持部&T00764 汤晓斌
2024-07-19	V5.02	6.3.4 Alarm Events	Modifies the ObjectType field enumeration of non-motor vehicle 、motor vehicle and unknown.	合作支持部&L02447 林杰
2024-08-29	V5.03	7.3.1	Add VehicleRecognitionMatchlistAlarm Vehicle Recognition Matchlist Alarm VehicleRecognitionMismatchlistAlarm Vehicle Recognition Mismatchlist Alarm VehicleDetect Vehicle Detect	合作支持部&08285 沈文韬