

# H5S Video Platform

## API Manual

Document version 14

Release date 2024/6/25

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# Index

<b>1 Preface</b>	<b>7</b>
<b>2 Version update</b>	<b>9</b>
1 Version update description .....	10
<b>3 Interface Description</b>	<b>11</b>
1 Common terms .....	12
2 Protocol format .....	12
3 API debugging .....	13
4 API authentication mechanism .....	16
<b>4 System</b>	<b>19</b>
1 User login .....	20
2 User retention .....	21
3 User logout .....	22
4 Get system information .....	23
5 Obtain the end time of the license .....	24
6 Get codec information .....	25
7 Obtain operation information .....	26
8 Obtain access device information .....	28
9 Get the list of system file systems .....	30
10 Get the number of WS connections .....	31
11 Get the number of RTC connections .....	32
12 Get anonymous browsing settings .....	33
13 Set anonymous browsing .....	33
14 Get the illegal login lock setting .....	34
15 Set illegal login lock .....	35
16 Restart service .....	36
17 Create configuration snapshot .....	37
18 Get the list of configuration snapshots .....	37
19 Get the log cycle coverage setting .....	38
20 Set the log cycle to overwrite .....	39
21 Get log level .....	40
22 Set the log level .....	40
23 Get HTTP configuration .....	41
24 Set HTTP configuration .....	42

---

<b>5 Video source management(Src)</b>	<b>45</b>
1 Video source data format .....	46
2 Get the list of video sources .....	49
3 Get the source list generated by non-SDK .....	51
4 Get RTSP/RTMP/ONVIF source list .....	53
5 Get the cached data frame .....	55
6 Get the loaded image .....	55
7 Add file source .....	56
8 Add RTSP/RTMP source .....	57
9 Add ONVIF source .....	59
10 Add RTMP streaming source .....	60
11 Delete Source .....	61
12 Obtain the video source stream information .....	62
13 Get flow detection settings .....	63
14 Set flow detection .....	64
15 Pan tilt control .....	65
16 Set the preset position .....	66
17 Delete preset position .....	67
18 Obtain the preset position list .....	68
19 Set the position of the dome camera .....	69
20 Get the position of the dome camera .....	70
<b>6 Device</b>	<b>73</b>
1 Equipment data format .....	74
2 Get device configuration .....	75
3 Set device configuration .....	76
4 Get device list .....	77
5 Obtain the list of video sources for the device .....	79
6 Add Hikvision SDK device .....	80
7 Add Dahua SDK device .....	82
8 Add the Tiandi SDK device .....	83
9 Add Huawei IVS equipment .....	84
10 Add UVC SDK device .....	86
11 Add Hikvision ISC platform .....	87
12 Add Hikvision INFO Vision platform .....	88
13 Add Dahua DSS platform .....	90
14 Delete device .....	91
<b>7 GB28181</b>	<b>93</b>

1 Obtain the GB28181 configuration .....	94
2 Set GB28181 configuration .....	95
3 Obtain the list of GB28181 devices .....	97
4 Restart the GB28181 device .....	99
5 Refresh GB28181 device .....	99
6 Obtain the video source list of GB28181 device .....	100
<b>8 Record</b>	<b>103</b>
1 Screenshot .....	104
2 Playback screenshot .....	105
3 Manual video recording is on .....	107
4 Stop manual video recording .....	108
5 File .....	109
6 Archive screenshots .....	111
7 Get the archive status .....	112
8 Search for service videos .....	113
9 Search remote video .....	115
<b>9 Region</b>	<b>117</b>
1 Get the list of regions .....	118
<b>10 JS video playback SDK</b>	<b>123</b>
1 Real-time video interface parameters .....	124
2 Playback video interface parameters .....	126
3 WS interface .....	128
4 RTC interface .....	129
<b>11 Appendix A FAQ</b>	<b>131</b>
	<b>0</b>



# **1.Preface**



---

# 1 Preface

## Preface

Thank you very much for using our company's products. We will be happy to provide you with the best and highest quality service.

This manual may contain technical inaccuracies or text errors.

The content of this manual will be updated regularly without notice; the updated content will be added to the new version of this manual.

The interface images extracted from this manual are only used as examples. The interface may vary between versions, so please refer to the actual interface for accuracy.

We have a professional support team to answer your questions. Thank you for your support.

## **2.Version update**



---

## **2 Version update**

### **2.1 Version update description**

#### **Version update description**

<b>Version</b>	<b>Date</b>	<b>Describe</b>
r14	2022/05/31	r14 Version Update

## **3.Interface Description**



---

## 3 Interface Description

### Content Overview

The interface of this document uses a RESTful architecture. RESTful interfaces are simple stateless protocols based on HTTP. All requests use the GET method, and HTTP responses are in JSON format. HTTP can be used for debugging, but HTTPS is recommended for production environments. For ease of use, subsequent examples use HTTP. If you switch to HTTPS, simply replace the corresponding http with https.

### 3.1 Common terms

#### Common terms

**Source:** Single-channel video sources such as RTSP, RTMP, and ONVIF, or channels automatically generated after adding devices, are also referred to as sources. The source and monitoring point are equivalent.

**Device:** cameras, NVRs, or third-party platforms can add devices through various manufacturers' device SDKs or protocols. Adding devices will result in one or more sources, each corresponding to a different channel.

### 3.2 Protocol format

#### Protocol format

Most requests use HTTP GET, and the return uses JSON format. The specific JSON format returned varies depending on the command. The following table shows the basic format and examples. In order to make it easier for everyone to understand, some commands directly use representative values in the introduction. A few requests and returns using the HTTP POST method also use JSON format.

#### Format

Request : *http://server/api/v1/<resources> ?para=xxx  
&<...>=<...>*

Response:

```
{  
  "bStatus": true/false,  
  "strCode": "xxxxxx"  
}  
|r|n
```

<…>=<…>Represents multiple request parameters.

#### Example

Request : *http://localhost:8080/api/v1/AddSrcONVIF?  
name=name1&token=token4&user=admin&password=12345&ip=192.168.0.234&port=80  
&onvifaddr=/onvif/device\_service&session=c1782caf-b670-42d8-ba90-2244d0b0ee83*

Response:

```
{
```

```

"bStatus": true,
"strCode": "Add successfully"
}
|r|n

```

### Simple return format

The simple return format mainly describes the simple API return results.

Field	Data type	Describe
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

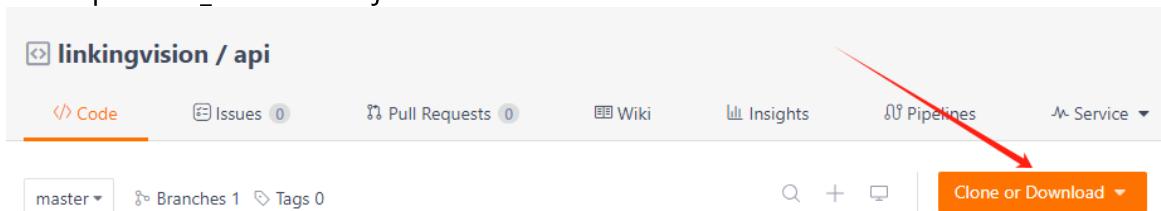
## 3.3 API debugging

### Postman debugging

The API provides a Postman debugging project that can be downloaded with the corresponding project and environment. First download the Postman tool. The following reference image is based on Postman 9.21.1. If you are using a newer version, it may differ. You can refer to the method for importing projects and environments for the new version.

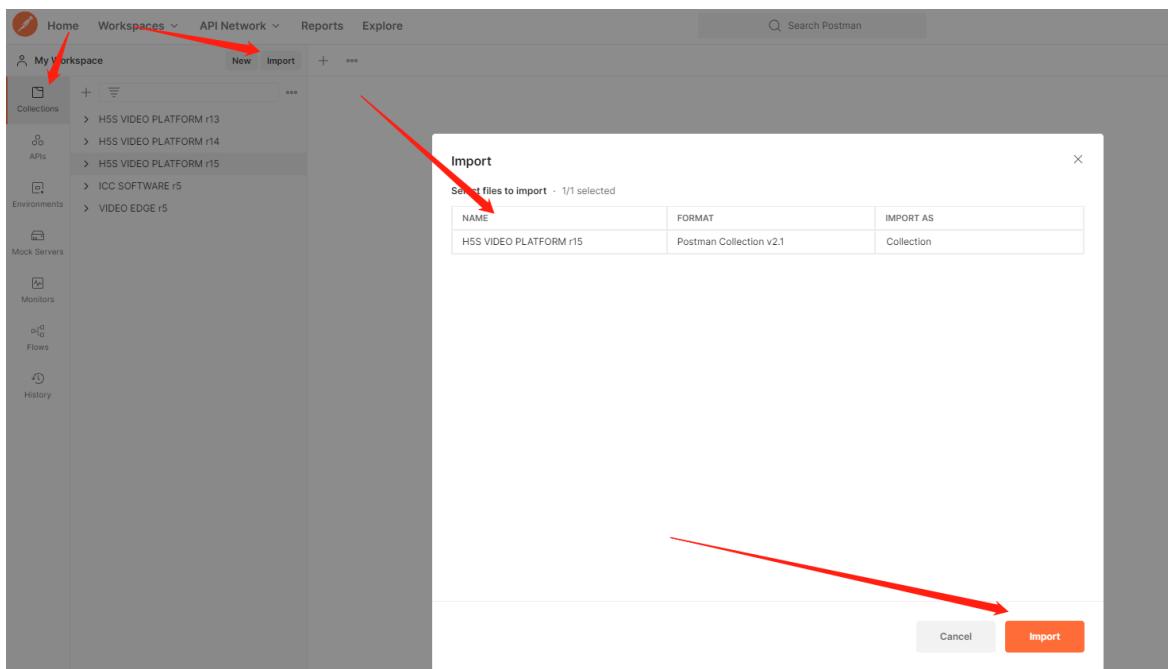
#### Download Postman project

The Postman project for the API can be found in the h5s directory of <https://gitee.com/linkingvision/api>. You can click the download button to download the entire directory, where H5S VIDEO PLATFORM r\*.postman\_collection.json is the project file, and H5STREAM ENV HTTP.postman\_environment.json and H5STREAM ENV HTTPS.postman\_environment.json are the environments.



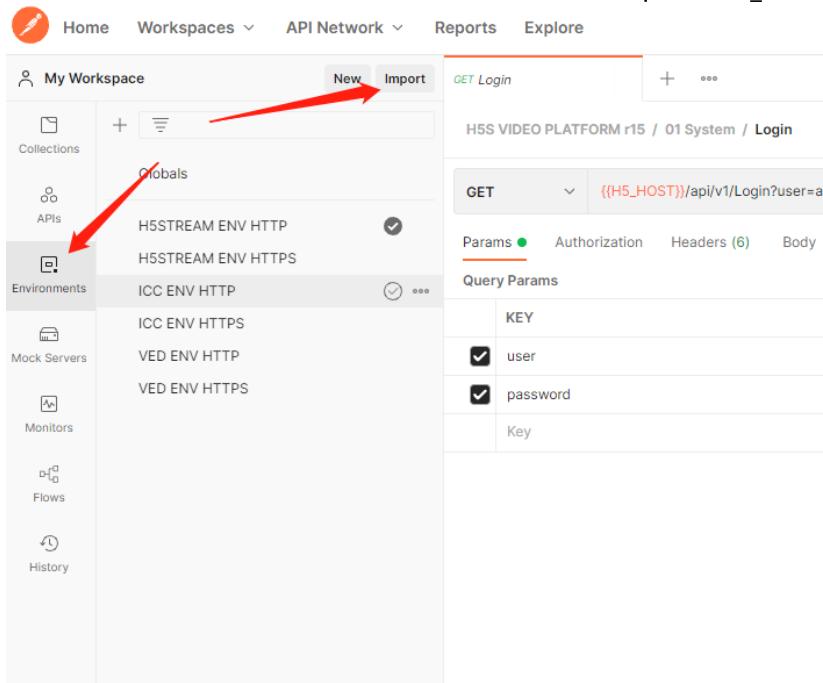
### Import Project

Click Import under Collections, and then select H5S VIDEO PLATFORM r\*.postman\_collection.json to import it into Postman. Refer to the following figure:



## Import Environment

Click Import under Environments, and then select H5STREAM ENV `HTTP.postman_environment.json` to import it into Postman. Refer to the following figure: Select the same method as H5STREAM ENV `HTTPS.postman_environment.json`.



## Test

After importing, you can select the corresponding API and modify the IP and port of the H5STREAM ENV HTTP, and then you can test it.

## Interface Description

The screenshot shows the Postman interface with a collection named 'H5STREAM ENV HTTP'. A specific test step 'GET Login' is selected, which makes a GET request to 'HSS VIDEO PLATFORM r15 / 01 System / Login'. The request includes two parameters: 'user' (set to 'admin') and 'password' (set to '827ccb0eea8a70c4c34a16891f84e7b'). In the 'Cookies' section, there are two entries: 'user' with value 'admin' and 'password' with value '827ccb0eea8a70c4c34a16891f84e7b'. A red arrow points from the 'Send' button to the 'Cookies' section.

You can fill the session obtained by Login into the h5\_session field in the environment, so that subsequent tests can use this session.

The screenshot shows the 'Environment' tab in Postman for the 'H5STREAM ENV HTTP' environment. It lists two variables: 'H5\_HOST' with the initial value 'http://192.168.100.162:8080' and the current value 'http://192.168.100.145:8080'; and 'h5\_session' with the initial value 'c1782caf-b670-42d8-ba90-2244d0b0ee83' and the current value 'c1782caf-b670-42d8-ba90-2244d0b0ee83'. A red arrow points from the 'h5\_session' row to its current value. Below the environment variables, there is a 'Globals' section stating 'No global variables'.

The postman project has added the ability to automatically set the session. After calling Login once, the session in the environment variable will be updated, so there is no need to manually set it.

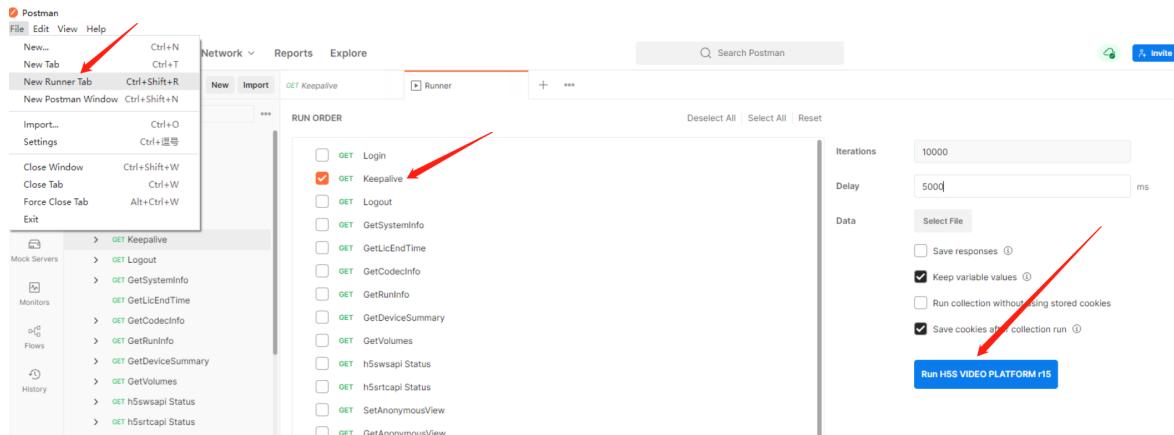
HTTP H5 VIDEO PLATFORM r16 / 01 System / Login

GET {{H5\_HOST}}/api/v1/Login?user=admin&password=f248a7448a1ea4691feae7678c6e1cf

Params • Authorization Headers (7) Body Pre-request Script Tests • Settings

```
1 var jsonData = JSON.parse(responseBody);
2 postman.setEnvironmentVariable("h5_session", jsonData.strSession);
```

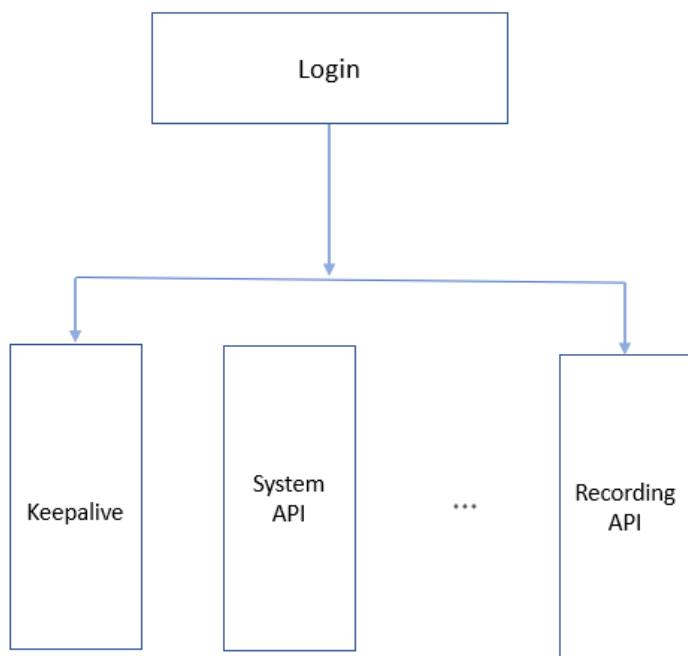
Because the session obtained by Login has a validity period, you can use the Runner function to keep it alive periodically by filling the valid session into the h5\_session field in the environment.



## 3.4 API authentication mechanism

### API authentication mechanism

The video platform uses a session-based management mechanism. If you use the Login API to obtain a session, then all API calls use that session. The session has a timeout period, and you can use Keepalive to keep the session alive so that it does not time out. The default timeout period for the session is 600 seconds. Refer to the following figure for usage instructions:





## **4.System**



---

## 4 System

### System

The system API includes login and other system-related APIs.

#### 4.1 User login

##### Description

Login system interface. Other interfaces rely on the session returned by Login. For specific mechanisms, refer to [Interface Description-» API Authentication Mechanism](#).

##### Usage

Request parameters	GET
URL	/api/v1/Login
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
user	string	must	user name
password	string	must	MD5 password Published in the package www/tool.html can generate the corresponding MD5

##### Response

Name	Type	Description
bStatus	boolean	Success or failure, true indicates success, false indicates failure
strSession	string	Session obtained during success
nTimeout	int	session timeout
nFaultTimes	int	Login error times
tLockTimeResidue	int	Lock the remaining time, in seconds
bWeakPassword	boolean	Whether the password is weak. If it is weak, it is recommended to refer to the requirements of the management interface and change it to a strong password

##### Examples

[http://192.168.100.145:8080/api/v1/Login?  
user=admin&password=ddc2f0ff1aab61a5a34a83514e47ed83](http://192.168.100.145:8080/api/v1/Login?user=admin&password=ddc2f0ff1aab61a5a34a83514e47ed83)

```
{
    "bStatus": true,
    "strSession": "b1b73ced-18a2-4898-b300-db0ed12d523a",
    "nTimeout": 600,
    "nFaultTimes": 0,
    "tLockTimeResidue": 0,
    "bWeakPassword": true
}
```

## 4.2 User retention

### Description

The session obtained by keeping alive login needs to be called before the session times out. Each time it is called, the session will have an additional nTimeout time. For the specific mechanism, refer to **Interface Description-> API Authentication Mechanism**.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/Keepalive
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
bStatus	boolean	Success or failure, true indicates success, false indicates failure
strCode	string	Description of the reasons for success or failure

### Examples

[http://192.168.100.145:8080/api/v1/Keepalive?  
session=c1782caf-b670-42d8-ba90-2244d0b0ee83](http://192.168.100.145:8080/api/v1/Keepalive?session=c1782caf-b670-42d8-ba90-2244d0b0ee83)

---

```
{
    "bStatus": true,
    "strCode": "Keepalive successfully"
}
```

## 4.3 User logout

### Description

Log out to obtain the session. For the specific mechanism, refer to [Interface Description-> API Authentication Mechanism](#).

### Usage

Request parameters	GET
URL	/api/v1/Logout
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
bStatus	boolean	Success or failure, true indicates success, false indicates failure
strCode	string	Description of the reasons for success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/Logout?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'
```

```
{
    "bStatus": true,
    "strCode": "Logout successfully"
}
```

## 4.4 Get system information

### Description

Get system information.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetSystemInfo
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
strVersion	boolean	version
strHostId	string	Host number of software operation
strLicenseType	string	Software license type
strLicenseFull	string	Fixed as *****
strChannelLimit	string	Maximum number of channels
strEndtime	string	End time of software license
bDeviceSDK	boolean	Does the software license support the device SDK access
bDeviceSDKPb	boolean	Does the software license support device SDK playback
bGB28181	boolean	Does the software license support GB28181
bTranscoding	boolean	Does the software license support transcoding
bCluster	boolean	Does the software license support clustering
bPlatform	boolean	Does the software license support platform access
bLingvideo	boolean	Does the software license support the lingvideo browser
bDocker	boolean	Does the software license support Docker

### Examples

---

```

'http://192.168.100.145:8080/api/v1/GetSystemInfo?session=99cbeea8-5b4a-4e9b-8684-
87ea99518bde'

{
    "strVersion": "r15.4.0614.22",
    "strHostId": "NjE4YzA4YzRjOWRhMTg1Yjc0NzM0NjgxNTFiNTQyZWM=",
    "strLicenseType": "Customization",
    "strLicenseFull": "*****",
    "strChannelLimit": "10000",
    "strEndtime": "2023/05/18 11:35:04",
    "bDeviceSDK": true,
    "bDeviceSDKPb": true,
    "bGB28181": true,
    "bTranscoding": true,
    "bCluster": true,
    "bPlatform": true,
    "bLingvideo": true,
    "bDocker": true
}

```

## 4.5 Obtain the end time of the license

### Description

Obtain the end time of software license.

### Usage

Request parameters	GET
URL	/api/v1/GetLicEndTime
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none			

### Response

Name	Type	Description
strEndtime	string	End time of authorization and license

## Examples

```
'http://192.168.100.145:8080/api/v1/GetLicEndTime'
```

```
{
    "strEndtime": "2023/05/18 11:35:04"
}
```

## 4.6 Get codec information

### Description

Get codec information.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetCodecInfo
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
strCPUModel	string	CPU model of software operation
nCPU	int	Number of physical CPUs
nCPUCore	int	Number of logical CPUs
strHWEncoders	string	List of hardware encoders
strHWDecoders	string	List of hardware decoders
strSWEncoders	string	List of software encoders
strSWDecoders	string	List of software decoders

## Examples

```
'http://192.168.100.145:8080/api/v1/GetCodecInfo?session=99cbbea8-5b4a-4e9b-8684-87ea99518bde'
```

---

```
{
    "strCPUModel": "11th Gen Intel(R) Core(TM) i7-1165G7 @ 2.80GHz",
    "nCPU": 1,
    "nCPUCore": 4,
    "strHWEncoders": "H264 H265 VP9",
    "strHWDecoders": "H264 H265",
    "strSWEncoders": "H264 AV1",
    "strSWDecoders": "H264 H265"
}
```

## 4.7 Obtain operation information

### Description

Obtain operation information.

### Usage

Request parameters	GET
URL	/api/v1/GetRunInfo
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
strRunTime	string	System running time,in string form
strCPU	string	CPU utilization rate,in string form
strMemory	string	Memory utilization,in string form
strNetworkIn	string	Network incoming traffic of operating system,in string form
strNetworkOut	string	Network traffic of the operating system,in string form
strTotalSpace	string	Total size of the software running directory space,in string form
strFreeSpace	string	The remaining space size of the software running directory,in string form

strRecordTotalSpace	string	Total size of video directory space,in string form
strRecordFreeSpace	string	Size of remaining space in video directory,in string form
nRunTimeSec	int	System running time, in seconds
nCPUUsage	int	CPU utilization, 0 to 100
nMemoryUsage	int	Memory utilization, 0 to 100
nTotalMemoryByte	int	Total memory size, in Byte
nNetworkInK	int	The network traffic of the operating system, in kbps
nNetworkOutK	int	The network traffic of the operating system, in kbps
nTotalSpaceByte	int	The total size of the software running directory space, in bytes
nFreeSpaceByte	int	The remaining space size of the software running directory, in bytes
nRecordTotalSpaceByte	int	The total size of the video directory space, in bytes
nRecordFreeSpaceByte	int	The remaining space size of the video directory, in bytes

## Examples

```
'http://192.168.100.145:8080/api/v1/GetRunInfo?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'
```

```
{
    "strRunTime": "1H 2MIN",
    "strCPU": "20%",
    "strMemory": "95%",
    "strNetworkIn": "153Kbps",
    "strNetworkOut": "190Kbps",
    "strTotalSpace": "952Gbytes",
    "strFreeSpace": "94Gbytes",
    "strRecordTotalSpace": "952Gbytes",
    "strRecordFreeSpace": "94Gbytes",
    "nRunTimeSec": "3735",
    "nCPUUsage": "20",
    "nMemoryUsage": "95",
    "nTotalMemoryByte": "16885276672",
    "nNetworkInK": "153",
```

---

```

        "nNetworkOutK": "190",
        "nTotalSpaceByte": "1022870155264",
        "nFreeSpaceByte": "101328769024",
        "nRecordTotalSpaceByte": "1022870155264",
        "nRecordFreeSpaceByte": "101328769024"
    }

```

## 4.8 Obtain access device information

### Description

Obtain access device information.

### Usage

Request parameters	GET
URL	/api/v1/GetDeviceSummary
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
nCameraTotal	int	Total number of access channels
nCameraOnline	int	Number of online channels
nHikDevTotal	int	Total number of Hikvision SDK devices connected
nHikDevOnline	int	The number of Hikvision SDK devices connected online
nDhDevTotal	int	Total number of Dahua SDK devices connected
nDhDevOnline	int	The number of online connections of Dahua SDK devices
nHiklscDevTotal	int	Total number of Hikvision ISC platform access
nHiklscDevOnline	int	The number of online connections to the Hikvision ISC platform
nTdDevTotal	int	Total number of devices connected to the Tiandi SDK
nTdDevOnline	int	The number of devices connected to the online system using the Tiandi SDK
nGbDevTotal	int	GB28181 total number of equipment access

nGbDevOnline	int	GB28181 number of equipment access online
nUnvDevTotal	int	Total number of access of SDK equipment of Uniview
nUnvDevOnline	int	The number of online devices connected to the Yu Shi SDK
nDssDevTotal	int	Total number of Dahua DSS platform access
nDssDevOnline	int	Online data accessed by Dahua DSS platform
nlvsDevTotal	int	Total number of Huawei IVS equipment access
nlvsDevOnline	int	The number of Huawei IVS devices connected to the online system
nCloudTotal	int	Total number of cloud cascade access
nCloudOnline	int	Number of cloud cascade access online
nRTSPRTMPTotal	int	Total number of RTSP and RTMP connections
nRTSPRTMPOnline	int	Number of RTSP and RTMP connections online
nONVIFTotal	int	Total number of ONVIF access
nONVIFOnline	int	ONVIF online access number
nRTMPPushTotal	int	Total number of RTMP streaming access
nRTMPPushOnline	int	The number of RTMP streaming access online

## Examples

```
'http://192.168.100.145:8080/api/v1/GetDeviceSummary?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde
```

```
{
    "nCameraTotal": "3",
    "nCameraOnline": "1",
    "nHikDevTotal": "1",
    "nHikDevOnline": "1",
    "nDhDevTotal": "1",
    "nDhDevOnline": "0",
    "nHikIscDevTotal": "0",
    "nHikIscDevOnline": "0",
    "nTdDevTotal": "0",
    "nTdDevOnline": "0",
    "nGbDevTotal": "0",
    "nGbDevOnline": "0",
```

---

```

    "nUnvDevTotal": "0",
    "nUnvDevOnline": "0",
    "nDssDevTotal": "0",
    "nDssDevOnline": "0",
    "nIvsDevTotal": "0",
    "nIvsDevOnline": "0",
    "nCloudTotal": "0",
    "nCloudOnline": "0",
    "nRTSPRTMPTotal": "1",
    "nRTSPRTMPOnline": "0",
    "nONVIFTotal": "0",
    "nONVIFOnline": "0",
    "nRTMPPushTotal": "0",
    "nRTMPPushOnline": "0"
}

}

```

## 4.9 Get the list of system file systems

### Description

Get the list of system file systems.

### Usage

Request parameters	GET
URL	/api/v1/GetVolumes
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
vol	array	File system list
strDevice	string	Device Name
strPath	string	Mount Path
nTotal	int	The total space size, in M Byte
nFree	int	The remaining space size, in M Byte

bReadOnly	boolean	Is it read-only
-----------	---------	-----------------

## Examples

```
'http://192.168.100.145:8080/api/v1/GetVolumes?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'

{
    "vol": [
        {
            "strDevice": "C:\\\\",
            "strPath": "C:\\\\",
            "nTotal": "939291",
            "nFree": "600257",
            "bReadOnly": false
        },
        {
            "strDevice": "D:\\\\",
            "strPath": "D:\\\\",
            "nTotal": "488368",
            "nFree": "41349",
            "bReadOnly": false
        }
    ]
}
```

## 4.10 Get the number of WS connections

### Description

Get the number of WS connections.

### Usage

Request parameters	GET
URL	/api/v1/h5swsapi/Status
data	none

### Parameters

Name	Type	Parameter mandatory	Description
------	------	---------------------	-------------

---

session	string	must	Session obtained by Login
---------	--------	------	---------------------------

### Response

Name	Type	Description
nConnectCount	int	Number of connections

### Examples

```
'http://192.168.100.145:8080/api/v1/h5swsapi/Status?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'
```

```
{
    "nConnectCount": 1
}
```

## 4.11 Get the number of RTC connections

### Description

Get the number of RTC connections.

### Usage

Request parameters	GET
URL	/api/v1/h5srtcapi/Status
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
nConnectCount	int	Number of connections

### Examples

```
'http://192.168.100.145:8080/api/v1/h5srtcapi/status?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'
```

```
{
    "nConnectCount": 1
}
```

## 4.12 Get anonymous browsing settings

### Description

Get anonymous browsing.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetAnonymousView
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
bAnonymousView	boolean	Anonymous browsing on or off

### Examples

```
'http://192.168.100.145:8080/api/v1/GetAnonymousView?session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'
```

```
{
    "bAnonymousView": true
}
```

## 4.13 Set anonymous browsing

### Description

Set anonymous browsing and restart the service to take effect.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/SetAnonymousView

---

data	none
------	------

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
enable	boolean	must	Anonymous browsing on or off

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Detailed description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/SetAnonymousView?enable=true&session=99cbeea8-5b4a-4e9b-8684-87ea99518bde'
```

```
{
    "bStatus": true,
    "strCode": "SetAnonymousView successfully"
}
```

## 4.14 Get the illegal login lock setting

### Description

Get the illegal login lock setting.

### Usage

Request parameters	GET
URL	/api/v1/GetLoginLockStatus
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

**Response**

Name	Type	Description
bAnonymousView	boolean	Illegal login lock on or off

**Examples**

```
'http://192.168.100.145:8080/api/v1/GetLoginLockStatus?session=821b5946-504c-47f7-925b-e4f2cf6d6d88'

{
    "bLoginLockStatus": true
}
```

## 4.15 Set illegal login lock

**Description**

Set the illegal login lock and restart the service to take effect.

**Usage**

Request parameters	GET
URL	/api/v1/SetLoginLockStatus
data	none

**Parameters**

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
enable	boolean	must	Illegal login lock on or off

**Response**

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

**Examples**

```
'http://192.168.100.145:8080/api/v1/SetLoginLockStatus?
enable=true&session=821b5946-504c-47f7-925b-e4f2cf6d6d88'
```

---

```
{  
    "bStatus": true,  
    "strCode": "SetLoginLockStatus successfully"  
}
```

## 4.16 Restart service

### Description

Restart service.

### Usage

Request parameters	GET
URL	/api/v1/Restart
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/Restart?session=821b5946-504c-47f7-925b-e4f2cf6d6d88'
```

```
{  
    "bStatus": true,  
    "strCode": "restart successfully"  
}
```

## 4.17 Create configuration snapshot

### Description

Create configuration snapshot.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/CreateSnapshot
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/CreateSnapshot?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
    "bStatus": true,
    "strCode": "Create Snapshot successfully"
}
```

## 4.18 Get the list of configuration snapshots

### Description

Get the list of configuration snapshots.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetSnapshotList
data	none

---

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
strName	array	Configure the list of snapshot files

### Examples

```
'http://192.168.100.145:8080/api/v1/GetSnapshotList?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'

{
    "strName": [
        "snapshot.20220616101351.conf",
        "snapshot.latest.conf"
    ]
}
```

## 4.19 Get the log cycle coverage setting

### Description

Get the log cycle coverage setting.

### Usage

Request parameters	GET
URL	/api/v1/GetRotatingLog
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description

enable	boolean	Cycle coverage is turned on or off
--------	---------	------------------------------------

## Examples

```
'http://192.168.100.145:8080/api/v1/GetRotatingLog?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
  "enable": false
}
```

## 4.20 Set the log cycle to overwrite

### Description

Set the log cycle to overwrite, and restart the service to take effect.

### Usage

Request parameters	GET
URL	/api/v1/SetRotatingLog
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
enable	boolean	must	Open or close

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/SetRotatingLog?enable=false&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
```

---

```

        "bStatus": true,
        "strCode": "Set Rotating Log successfully"
    }

```

## 4.21 Get log level

### Description

Get log level.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetLogLevel
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
strLevelLog	boolean	H5_LOG_DEBUG/H5_LOG_INFO /H5_LOG_WARNING/H5_LOG_ERROR

### Examples

```

'http://192.168.100.145:8080/api/v1/GetLogLevel?enable=true&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'

{
    "strLevelLog": "H5_LOG_WARNING"
}

```

## 4.22 Set the log level

### Description

Set the log level and restart the service to take effect.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/SetLogLevel

data	none
------	------

**Parameters**

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
level	string	must	H5_LOG_DEBUG/H5_LOG_INFO /H5_LOG_WARNING/H5_LOG_ERROR

**Response**

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

**Examples**

```
'http://192.168.100.145:8080/api/v1/SetLogLevel?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&level=H5_LOG_WARNING'

{
    "bStatus": true,
    "strCode": "Set Log Level successfully"
}
```

## 4.23 Get HTTP configuration

**Description**

Get HTTP configuration.

**Usage**

Request parameters	GET
URL	/api/v1/GetHTTPConf
data	none

**Parameters**

Name	Type	Parameter mandatory	Description
------	------	---------------------	-------------

---

session	string	must	Session obtained by Login
---------	--------	------	---------------------------

### Response

Name	Type	Description
nHTTPPort	int	HTTP port, 0 indicates HTTP is closed
nHTTPSPort	int	HTTPS port, 0 indicates HTTPS is closed
strSSLCertificateFile	string	The name of the HTTPS certificate file, which is located in the certificate/ directory of the version package
strDocumentRoot	string	Web service site path
bForceHTTPS	boolean	Whether to enable mandatory HTTPS
bEnableDomain	boolean	Obsolete Fields

### Examples

```
'http://192.168.100.145:8080/api/v1/GetHTTPConf?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
    "nHTTPPort": 8080,
    "nHTTPSPort": 8443,
    "strSSLCertificateFile": "server.pem",
    "strDocumentRoot": "www/",
    "bForceHTTPS": false,
    "bEnableDomain": false
}
```

## 4.24 Set HTTP configuration

### Description

Set the HTTP configuration and restart the service to take effect.

### Usage

Request parameters	GET
URL	/api/v1/SetRotatingLog
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
http	int	must	HTTP port, 0 indicates that HTTP is closed
https	int	must	HTTPS port, 0 indicates HTTPS is closed
sslcertificatefile	string	must	The file name of the HTTPS certificate, which is located in the certificate/ directory of the version package
documentroot	string	must	web service site path
forcehttps	boolean	must	Whether to enable mandatory HTTPS
enabledomain	boolean	must	Obsolete Fields

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/SetHTTPConf?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&http=8080&https=8443&sslcertificatefile=server.pem&documentroot=www/&forcehttps=false&enabledomain=false'

{
    "bStatus": true,
    "strCode": "Set http conf successfully."
}
```



## **5.Video source management(Src)**



---

## 5 Video source management(Src)

### Video source management(Src)

The video source management API includes functions related to video source management.+

#### 5.1 Video source data format

##### Video source data format

Video sources can also be referred to as monitoring points. The data of a single video source is in the JSON data format, with nType indicating the type of video source. The types can be referred to in the following table:

Type	Description
H5_FILE	File simulation source, which reads files in a circular manner
H5_STREAM	RTSP RTMP Streaming Video Source
H5_ONVIF	ONVIF device video source
H5_CLOUD	Source generated by cloud cascade mode
H5_RTMP_PUSH	RTMP streaming video source
H5_CH_DEV	Video source generated dynamically by the device SDK
H5_CH_GB	Video source generated by GB28181 registration

The meaning of the video source json data format can be referred to in the following table:

Name	Type	Description
nType	string	Video source type
strName	string	Video source name
strToken	string	Video source token, which is the unique identifier of the video source
strUrl	string	Internal Fields
strUser	string	Internal Fields
strPasswd	string	Internal Fields
bPasswdEncrypt	boolean	Internal Fields
bEnableAudio	boolean	Internal Fields
nConnectType	int	Internal Fields
nRTSPType	int	Internal Fields
strSrcIpAddress	string	Internal Fields

strSrcPort	string	Internal Fields
nChannelNumber	int	Internal Fields
bEnableUrlSub	boolean	Internal Fields
strUrlSub	string	Internal Fields
bOnvifProfileAuto	boolean	Internal Fields
strOnvifAddr	string	Internal Fields
strOnvifProfileMain	string	Internal Fields
strOnvifProfileSub	string	Internal Fields
bRTSPPlayback	boolean	Internal Fields
nRTSPPlaybackSpeed	int	Internal Fields
bOnline	boolean	Whether the video source is online
strSnapshotUrl	string	Internal Fields
bRec	boolean	Whether the video recording is enabled
strPushUrl	string	Internal Fields
strServerToken	string	Internal Fields
strOriginalToken	string	Internal Fields
strServerUuid	string	Internal Fields
nOriginalType	int	Internal Fields
strDeviceId	string	Internal Fields
strDeviceName	string	Internal Fields
bDisable	boolean	Whether the video source is disabled, true indicates disabled, false indicates normal
bIdle	boolean	Is the video source an idle channel

## Examples

```
{
    "nType": "H5_CH_DEV",
    "strName": "—上( )海@市",
    "strToken": "89d7--36",
    "strUrl": "invalid",
    "strUser": "invalid",
    "strPasswd": "invalid",
    "bPasswdEncrypt": false,
```

```
        "bEnableAudio": false,
        "nConnectType": "H5_AUTO",
        "nRTSPType": "H5_RTSP_AUTO",
        "strSrcIpAddress": "invalid",
        "strSrcPort": "invalid",
        "nChannelNumber": 0,
        "bEnableUrlSub": false,
        "strUrlSub": "",
        "bOnvifProfileAuto": true,
        "strOnvifAddr": "invalid",
        "strOnvifProfileMain": "invalid",
        "strOnvifProfileSub": "invalid",
        "bRTSPPlayback": false,
        "nRTSPPlaybackSpeed": 1,
        "bOnline": true,
        "strSnapshotUrl": "/api/v1/GetImage?token=89d7--36",
        "bRec": false,
        "strPushUrl": "none",
        "strServerToken": "",
        "strOriginalToken": "",
        "strServerUuid": "",
        "nOriginalType": "H5_ZERO",
        "strDeviceId": "",
        "strDeviceName": "",
        "bDisable": false,
        "bIdle": false
    }

{
    "nType": "H5_ONVIF",
    "strName": "Cam1",
    "strToken": "alla",
    "strUrl": "rtsp://192.168.0.1/stream",
    "strUser": "admin",
    "strPasswd": "dmin12345",
    "bPasswdEncrypt": false,
    "bEnableAudio": false,
```

```

    "nConnectType": "H5_AUTO",
    "nRTSPType": "H5_RTSP_AUTO",
    "strSrcIpAddress": "192.168.100.103",
    "strSrcPort": "80",
    "nChannelNumber": 1,
    "bEnableUrlSub": false,
    "strUrlSub": "rtsp://192.168.0.1/stream",
    "bOnvifProfileAuto": true,
    "strOnvifAddr": "/onvif/device_service",
    "strOnvifProfileMain": "Profile_1",
    "strOnvifProfileSub": "Profile_2",
    "bRTSPPlayback": false,
    "nRTSPPlaybackSpeed": 1,
    "bOnline": true,
    "strSnapshotUrl": "/api/v1/GetImage?token=alla",
    "bRec": false,
    "strPushUrl": "none",
    "strServerToken": "",
    "strOriginalToken": "",
    "strServerUuid": "",
    "nOriginalType": "H5_ZERO",
    "strDeviceId": "",
    "strDeviceName": "",
    "bDisable": false,
    "bIdle": false
}

```

## 5.2 Get the list of video sources

### Description

Get the list of video sources.

### Usage

Request parameters	GET
URL	/api/v1/GetSrc
data	none

### Parameters

---

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	optional	Get the video source of the specified token
getonline	boolean	optional	Whether to obtain the online status of the video source, the default is to obtain it. This parameter does not only obtain online video sources
type	string	optional	Get the video source of the specified type, default is all H5_STREAM/H5_FILE/H5_CLOUD/H5_ONVIF/H5_RTMP_PUSH/H5_CH_DEV/H5_CH_GB

## Response

Name	Type	Description
src	array	Reference <b>video source management -» Video source data format</b>

## Examples

```
'http://192.168.100.145:8080/api/v1/GetSrc?getonline=true&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
  "src": [
    {
      "nType": "H5_ONVIF",
      "strName": "Cam1",
      "strToken": "alla",
      "strUrl": "rtsp://192.168.0.1/stream",
      "strUser": "admin",
      "strPasswd": "dmin12345",
      "bPasswdEncrypt": false,
      "bEnableAudio": false,
      "nConnectType": "H5_AUTO",
      "nRTSPType": "H5_RTSP_AUTO",
      "strSrcIpAddress": "192.168.100.103",
      "strSrcPort": "80",
    }
  ]
}
```

```

    "nChannelNumber": 1,
    "bEnableUrlSub": false,
    "strUrlSub": "rtsp://192.168.0.1/stream",
    "bOnvifProfileAuto": true,
    "strOnvifAddr": "/onvif/device_service",
    "strOnvifProfileMain": "Profile_1",
    "strOnvifProfileSub": "Profile_2",
    "bRTSPPlayback": false,
    "nRTSPPlaybackSpeed": 1,
    "bOnline": true,
    "strSnapshotUrl": "/api/v1/GetImage?token=a11a",
    "bRec": false,
    "strPushUrl": "none",
    "strServerToken": "",
    "strOriginalToken": "",
    "strServerUuid": "",
    "nOriginalType": "H5_ZERO",
    "strDeviceId": "",
    "strDeviceName": "",
    "bDisable": false,
    "bIdle": false
}
]
}

```

## 5.3 Get the source list generated by non-SDK

### Description

Obtain the video source list generated by the device SDK.

### Usage

Request parameters	GET
URL	/api/v1/GetSrcWithoutDevice
data	none

### Parameters

Name	Type	Parameter mandatory	Description

---

session	string	must	Session obtained by Login
---------	--------	------	---------------------------

## Response

Name	Type	Description
src	array	Reference <b>video source management -» Video source data format</b>

## Examples

```
'http://192.168.100.145:8080/api/v1/GetSrcWithoutDevice?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'

{
    "src": [
        {
            "nType": "H5_ONVIF",
            "strName": "Cam1",
            "strToken": "alla",
            "strUrl": "rtsp://192.168.0.1/stream",
            "strUser": "admin",
            "strPasswd": "dmin12345",
            "bPasswdEncrypt": false,
            "bEnableAudio": false,
            "nConnectType": "H5_AUTO",
            "nRTSPType": "H5_RTSP_AUTO",
            "strSrcIpAddress": "192.168.100.103",
            "strSrcPort": "80",
            "nChannelNumber": 1,
            "bEnableUrlSub": false,
            "strUrlSub": "rtsp://192.168.0.1/stream",
            "bOnvifProfileAuto": true,
            "strOnvifAddr": "/onvif/device_service",
            "strOnvifProfileMain": "Profile_1",
            "strOnvifProfileSub": "Profile_2",
            "bRTSPPPlayback": false,
            "nRTSPPPlaybackSpeed": 1,
            "bOnline": true,
            "strSnapshotUrl": "/api/v1/GetImage?token=alla",
        }
    ]
}
```

```

        "bRec": false,
        "strPushUrl": "none",
        "strServerToken": "",
        "strOriginalToken": "",
        "strServerUuid": "",
        "nOriginalType": "H5_ZERO",
        "strDeviceId": "",
        "strDeviceName": "",
        "bDisable": false,
        "bIdle": false
    }
]
}

```

## 5.4 Get RTSP/RTMP/ONVIF source list

### Description

Get RTSP/RTMP/ONVIF source list.

### Usage

Request parameters	GET
URL	/api/v1/GetSrcCamera
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
src	array	Reference <b>video source management -» Video source data format</b>

### Examples

```
'http://192.168.100.145:8080/api/v1/GetSrcCamera?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
{
```

```
"src": [
    {
        "nType": "H5_ONVIF",
        "strName": "Cam1",
        "strToken": "alla",
        "strUrl": "rtsp://192.168.0.1/stream",
        "strUser": "admin",
        "strPasswd": "dmin12345",
        "bPasswdEncrypt": false,
        "bEnableAudio": false,
        "nConnectType": "H5_AUTO",
        "nRTSPType": "H5_RTSP_AUTO",
        "strSrcIpAddress": "192.168.100.103",
        "strSrcPort": "80",
        "nChannelNumber": 1,
        "bEnableUrlSub": false,
        "strUrlSub": "rtsp://192.168.0.1/stream",
        "bOnvifProfileAuto": true,
        "strOnvifAddr": "/onvif/device_service",
        "strOnvifProfileMain": "Profile_1",
        "strOnvifProfileSub": "Profile_2",
        "bRTSPPlayback": false,
        "nRTSPPlaybackSpeed": 1,
        "bOnline": true,
        "strSnapshotUrl": "/api/v1/GetImage?token=alla",
        "bRec": false,
        "strPushUrl": "none",
        "strServerToken": "",
        "strOriginalToken": "",
        "strServerUuid": "",
        "nOriginalType": "H5_ZERO",
        "strDeviceId": "",
        "strDeviceName": "",
        "bDisable": false,
        "bIdle": false
    }
]
```

## 5.5 Get the cached data frame

### Description

Get the video source cache data frame, and return the Content-Type type as image/jpeg.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetImage
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token

### Response

Name	Type	Description
	picture	

### Examples

```
'http://192.168.100.145:8080/api/v1/GetImage?token=a11a&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

The returned content is a picture.

## 5.6 Get the loaded image

### Description

Get the image loaded before the video is played, and return the Content-Type type as image/jpeg

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetLoadingImage
data	none

### Parameters

---

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
	picture	

### Examples

```
'http://192.168.100.145:8080/api/v1/GetLoadingImage?token=950b--331&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

The returned content is a picture.

## 5.7 Add file source

### Description

File source is a method that can use video files as test video sources. Currently, only MP4 files of H5S videos are supported. The official website of Linkingvision provides test video sources [https://linkingvision.com/download/h5stream/video/\\_h5ssample.mp4](https://linkingvision.com/download/h5stream/video/_h5ssample.mp4) and [https://linkingvision.com/download/h5stream/video/\\_h5ssamplesub.mp4](https://linkingvision.com/download/h5stream/video/_h5ssamplesub.mp4), which can be downloaded to the local. The two files correspond to the main stream and the auxiliary stream respectively. If you copy the path name from Windows Explorer, you need to use \\ to replace \.

### Usage

Request parameters	GET
URL	/api/v1/AddSrcFile
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Add the source's token, which cannot be duplicate. Please refer to the FAQ token rules
name	string	must	The name of the source
url	string	must	The path of the source requires an absolute path and needs to be encoded.

			For reference www/tool.html
audio	boolean	optional	Whether to enable audio, true or false, default is false

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/AddSrcFile?name=file&token=token2&url=c%3A%5C%5Ch5ssample.mp4&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&audio=true'
```

```
{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 5.8 Add RTSP/RTMP source

### Description

Add an RTSP/RTMP source. This type does not support pan-tilt control.

### Usage

Request parameters	GET
URL	/api/v1/AddSrcRTSP
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Add the source's token, which cannot be duplicate. Please refer to the FAQ token rules
name	string	must	The name of the source
user	string	must	user name

---

password	string	must	password
url	string	must	Fill the main stream RTSP/RTMP address, user name and password in the corresponding fields, remove the user name and password in the URL, and encode the address. For reference <a href="#">www/tool.html</a>
audio	boolean	optional	Whether to enable audio, true or false, default is false
enablesub	boolean	optional	Whether to enable the auxiliary code stream, which is not enabled by default
suburl	string	optional	For the auxiliary code stream RTSP/RTMP address, fill in the corresponding fields with the user name and password. Remove the user name and password from the URL. The address needs to be encoded. For reference <a href="#">www/tool.html</a>

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/AddSrcRTSP?
name=RTSP&token=token2&user=admin&password=admin12345&url=rtsp%3a%2f%
2f192.168.0.23%3a554%2fStreaming%2fChannels%2f101%3ftransportmode%3dunicast%
26profile%3dProfile_1&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&audio=true'

{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 5.9 Add ONVIF source

### Description

Add ONVIF source. ONVIF source only supports ONVIF camera access, not ONVIF NVR access.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/AddSrcONVIF
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Add the source's token, which cannot be duplicate. Please refer to the FAQ token rules
name	string	must	The name of the source
user	string	must	user name
password	string	must	password
ip	string	must	ONVIF device address
port	int	must	ONVIF device port
onvifaddr	string	optional	ONVIF address, optional, default can be left blank, the system will automatically select
main	string	optional	The main code stream ONVIF profile can be left blank by default, and the system will automatically select it
sub	string	optional	The auxiliary code stream ONVIF profile can be left blank by default, and the system will automatically select it
audio	boolean	optional	Whether to enable audio, true or false, default is false

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

---

## Examples

```
'http://192.168.100.145:8080/api/v1/AddSrcONVIF?  
name=name1&token=token2&user=admin&password=admin12345&ip=192.168.100.173&port=80&o  
nvifaddr=/onvif/device_service&main=Profile_1&sub=Profile_2&session=9288fbfc-95a7-  
4cca-92fe-c6b60ecf7e84&audio=true'  
  
{  
    "bStatus": true,  
    "strCode": "Add successfully"  
}
```

## 5.10 Add RTMP streaming source

### Description

Add an RTMP streaming source. This type does not support PTZ control.

### Usage

Request parameters	GET
URL	/api/v1/AddRTMPPush
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Add the source's token, which cannot be duplicate. Please refer to the FAQ token rules
name	string	must	The name of the source
audio	boolean	optional	Whether to enable audio, true or false, default is false

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/AddRTMPPush?
name=Push1&token=token5&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&audio=true'

{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 5.11 Delete Source

### Description

Delete the manually added video sources. The sources such as H5\_CLOUD/H5\_CH\_DEV/H5\_CH\_GB are dynamically generated and cannot be manually deleted.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/DelSrc
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Source Token

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/DelSrc?session=9288fbfc-95a7-4cca-92fe-
c6b60ecf7e84&token=token2'
```

---

```

{
    "bStatus": true,
    "strCode": "Del successfully"
}

```

## 5.12 Obtain the video source stream information

### Description

Obtain the video source stream information.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetVidStreamStatus
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Source Token
stream	string	optional	main/sub main stream or sub stream, default is main stream

### Response

Name	Type	Description
strVideoType	string	Video encoding type
nVideoBitrate	string	Video stream is in bps
nVideoFPS	int	Video frame rate
nVideoWidth	int	Video width
nVideoHeight	int	Video high
strAudioType	string	Audio encoding type
nAudioSampleBit	int	Audio bit width
nAudioChannels	int	Audio channel
nAudioBitrate	int	Audio bit rate is measured in bps
nAudioSampleRate	int	Audio sampling rate

## Examples

```
'http://192.168.100.145:8080/api/v1/GetVidStreamStatus?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&token=a11a&stream=main'

{
    "strVideoType": "H265",
    "nVideoBitrate": 1027249,
    "nVideoFPS": 25,
    "nVideoWidth": 1920,
    "nVideoHeight": 1080,
    "strAudioType": "PCMA",
    "nAudioSampleRate": 8000,
    "nAudioSampleBit": 16,
    "nAudioChannels": 1,
    "nAudioBitrate": 64000
}
```

## 5.13 Get flow detection settings

### Description

Obtain streaming detection settings. Since most systems now use on-demand streaming, there is no way to obtain the online status of the video stream source. However, the online status is obtained through IP address and port detection.

### Usage

Request parameters	GET
URL	/api/v1/GetIpPortCheck
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
enable	boolean	Open or close

---

nDetentionPeriod	int	Detection interval time, but in seconds
------------------	-----	---

## Examples

```
'http://192.168.100.145:8080/api/v1/GetIpPortCheck?session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
    "enable": true,
    "nDetentionPeriod": 180
}
```

## 5.14 Set flow detection

### Description

Set flow detection.

### Usage

Request parameters	GET
URL	/api/v1/SetIpPortCheck
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
enable	string	must	Open or close
period	string	must	Interval time, in seconds

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/SetIpPortCheck?enable=true&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84&period=180'
```

```
{
    "bStatus": true,
    "strCode": "Set Ip Port Check successfully"
}
```

## 5.15 Pan tilt control

### Description

Pan tilt control.

### Usage

Request parameters	GET
URL	/api/v1/Ptz
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
action	string	must	Pan tilt command up/upright/upleft/down/downright/downleft/left/right/zoomin/zoomout/focusin/focusout/irisin/irisout/stop/preset/lighton/lightoff/wiperon/wiperoff
speed	double	must	stop The instruction can be used without a speed range of 0-1 decimal
token	string	must	Video source token
preset	string	optional	When action is preset, the token of the preset point supports numbers of the type 1 2 3 4 5

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

---

```

'http://192.168.100.145:8080/api/v1/Ptz?token=device1--
35&action=preset&preset=3&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
or
'http://192.168.100.145:8080/api/v1/Ptz?token=device1--
35&action=left&speed=0.5&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'

{
    "bStatus": true,
    "strCode": "PTZ successfully"
}

```

## 5.16 Set the preset position

### Description

Set the preset position.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/SetPreset
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
presetname	string	must	preset name, such as name1, name2, name3..., only the dome camera connected to the Hikvision SDK supports preset name settings
presettoken	string	must	preset token such as 1 2 3 4 5 ...

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/SetPreset?token=device1--35&presetname=零视
1&presettoken=5&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
    "bStatus": true,
    "strCode": "SetPreset successfully"
}
```

## 5.17 Delete preset position

### Description

Delete preset position.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/DelPreset
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
presetname	string	must	preset token such as 1 2 3 4 5 ...

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/DelPreset?token=device1--
35&presettoken=2&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
    "bStatus": true,
```

```
        "strCode": "DelPreset successfully"  
    }  
  

```

## 5.18 Obtain the preset position list

### Description

Obtain the preset position list.

### Usage

<b>Request parameters</b>	GET
URL	/api/v1/GetPresets
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token

### Response

Name	Type	Description
preset	array	List of preset positions
strName	string	Preset position name
strToken	string	Preset token

### Examples

```
'http://192.168.100.145:8080/api/v1/GetPresets?token=device1--35&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{  
    "preset": [  
        {  
            "strName": "ABC",  
            "strToken": "1"  
        },  
        {  
            "strName": "linkingvision2",  
            "strToken": "2"  
        }  
    ]  
}
```

```

    }
    ...
}

```

## 5.19 Set the position of the dome camera

### Description

Set the position of the dome camera. Only the dome camera that is connected to the Hikvision SDK is supported.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/SetPosition
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
panpos	int	must	P parameter (horizontal parameter), refer to Hikvision SDK manual NET_DVR_PTZPOS
tiltpos	int	must	T parameter (vertical parameter), refer to Hikvision SDK manual NET_DVR_PTZPOS
zoompos	int	must	Z parameter (zoom parameter), refer to Hikvision SDK manual NET_DVR_PTZPOS

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/SetPosition?token=device1--35&presetname=linkingvision1&presettoken=5&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

---

```
{
    "bStatus": true,
    "strCode": "SetPosition successfully"
}
```

## 5.20 Get the position of the dome camera

### Description

Obtain the position of the dome camera. Only supports dome cameras connected to the Hikvision SDK.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetPosition
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token

### Response

Name	Type	Description
nPanPos	int	P parameter (horizontal parameter), refer to Hikvision SDK manual NET_DVR_PTZPOS
nTiltPos	int	T parameter (vertical parameter), refer to Hikvision SDK manual NET_DVR_PTZPOS
nZoomPos	int	Z parameter (zoom parameter), refer to Hikvision SDK manual NET_DVR_PTZPOS

### Examples

```
'http://192.168.100.145:8080/api/v1/GetPosition?token=81ae--1&session=9288fbfc-95a7-4cca-92fe-c6b60ecf7e84'
```

```
{
    "nPanPos": 0,
    "nTiltPos": 0,
    "nZoomPos": 0
```

}



## **6.Device**

---

## 6 Device

### Device

The device management API includes device-related functions.

### 6.1 Equipment data format

#### Equipment data format

The device contains one or more video sources (also known as channels). The type of video source generated by the device is H5\_CH\_DEV. The data for a single device is in the json data format. nType indicates the type of video source. The types can be referred to in the following table:

Type	Description
H5_DEV_HIK	Hikvision device SDK
H5_DEV_DH	Dahua Device SDK
H5_DEV_UNV	SDK for Yu Shi equipment
H5_DEV_HIKINFOV	Hikvision INFO Vision Platform
H5_DEV_HIKISC	Hikvision ISC platform
H5_DEV_TD	Tiandi Weiye Equipment SDK
H5_DEV_DHDSS	Dahua DSS platform
H5_DEV_IVS	Huawei IVS
H5_DEV_GB	GB device, GB device does not need to be added, and the device needs to be automatically registered to complete

The meaning of the video source json data format can be referred to in the following table:

Name	Type	Description
nType	string	Equipment type
strName	string	Device Name
strToken	string	Device token, which is the unique identifier of the device
strUser	string	User name, if GB28181, this field is invalid
strPasswd	string	Password, if GB28181 is used, this field is invalid
bPasswdEncrypt	boolean	Internal Fields
strDevIpAddress	string	Device IP address
strDevPort	string	Device Port

bEnableAudio	boolean	Whether to enable audio
nMaxChannel	int	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded
bCentralRecord	boolean	Whether it is a central video recording, Hikvision ISC and Hikvision INFO Vision are applicable
bSandbox	boolean	Whether to enable Sandbox mode
bISAPI	boolean	Whether to enable ISAPI mode, applicable to Hikvision device SDK
bVMS	boolean	Whether it is VMS, Yuvi VMS is applicable, and when false, it is Yuvi NVR
bOnline	boolean	Whether the equipment is online

## Examples

```
{
    "nType": "H5_DEV_HIK",
    "strName": "175",
    "strToken": "81ae",
    "strUser": "admin",
    "strPasswd": "dmin12345",
    "bPasswdEncrypt": false,
    "strDevIpAddress": "192.168.100.175",
    "strDevPort": "8000",
    "bEnableAudio": false,
    "nMaxChannel": 0,
    "bCentralRecord": false,
    "bSandbox": false,
    "bISAPI": false,
    "bVMS": false,
    "bOnline": true
}
```

## 6.2 Get device configuration

### Description

Get device configuration.

### Usage

Request parameters	GET
--------------------	-----

---

URL	/api/v1/GetDeviceConf
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

### Response

Name	Type	Description
bEnableLoadAllChannel	boolean	Whether to load all channels of the device
nSandboxMode	string	H5_SANDBOX_ALL All devices are enabled H5_SANDBOX_DISABLE All devices are disabled H5_SANDBOX_AUTO: Enable or disable based on the device configuration

### Examples

```
'http://192.168.100.145:8080/api/v1/GetDeviceConf?session=918131a9-c3ba-4bbd-a557-c1336090fabd'
```

```
{
    "bEnableLoadAllChannel": true,
    "nSandboxMode": "H5_SANDBOX_AUTO"
}
```

## 6.3 Set device configuration

### Description

Set the device configuration and restart the service to take effect.

### Usage

Request parameters	GET
URL	/api/v1/SetDeviceConf
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
loadallchannel	boolean	must	Whether to load all channels of the device. If false, only the online channels of the device will be loaded
sandboxmode	string	must	H5_SANDBOX_ALL All devices are turned on H5_SANDBOX_DISABLE All devices are turned off H5_SANDBOX_AUTO Turn on or off according to the device configuration

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/SetDeviceConf?session=918131a9-c3ba-4bbd-a557-c1336090fabd&loadallchannel=true&sandboxmode=H5_SANDBOX_AUTO'

{
    "bStatus": true,
    "strCode": "Set device conf true."
}
```

## 6.4 Get device list

### Description

Get device list.

### Usage

Request parameters	GET
URL	/api/v1/GetDevice
data	none

### Parameters

---

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	optional	Get the device with the specified token
getonline	boolean	optional	Whether to obtain the online status of the device, the default is to obtain it. This parameter does not only obtain online devices

## Response

Name	Type	Description
dev	array	Refer to <b>Device-» Equipment Data Format</b>

## Examples

```
'http://192.168.100.145:8080/api/v1/GetDevice?getonline=true&session=918131a9-c3ba-4bbd-a557-c1336090fabd'

{
    "dev": [
        {
            "nType": "H5_DEV_HIK",
            "strName": "175",
            "strToken": "81ae",
            "strUser": "admin",
            "strPasswd": "dmin12345",
            "bPasswdEncrypt": false,
            "strDevIpAddress": "192.168.100.175",
            "strDevPort": "8000",
            "bEnableAudio": false,
            "nMaxChannel": 0,
            "bCentralRecord": false,
            "bSandbox": false,
            "bISAPI": false,
            "bVMS": false,
            "bOnline": true
        }
    ]
}
```

}

## 6.5 Obtain the list of video sources for the device

### Description

Obtain the list of video sources (channels) for the device.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetDeviceSrc
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Get the list of video sources (channels) for the specified token device
getonline	boolean	optional	Whether to obtain the online status of the video source, the default is to obtain it. This parameter is not only for obtaining online devices

### Response

Name	Type	Description
src	array	Refer to <b>Device-&gt; Equipment Data Format</b>

### Examples

```
'http://192.168.100.145:8080/api/v1/GetDeviceSrc?
token=81ae&getonline=false&session=918131a9-c3ba-4bbd-a557-c1336090fabd'
```

```
{
  "src": [
    {
      "nType": "H5_CH_DEV",
      "strName": "Camera 01",
      "strToken": "81ae--1",
      "strUrl": "invalid",
      "strUser": "invalid",
```

---

```

        "strPasswd": "invalid",
        "bPasswdEncrypt": false,
        "bEnableAudio": false,
        "nConnectType": "H5_AUTO",
        "nRTSPType": "H5_RTSP_AUTO",
        "strSrcIpAddress": "invalid",
        "strSrcPort": "invalid",
        "nChannelNumber": 0,
        "bEnableUrlSub": false,
        "strUrlSub": "",
        "bOnvifProfileAuto": true,
        "strOnvifAddr": "invalid",
        "strOnvifProfileMain": "invalid",
        "strOnvifProfileSub": "invalid",
        "bRTSPPlayback": false,
        "nRTSPPlaybackSpeed": 1,
        "bOnline": false,
        "strSnapshotUrl": "/api/v1/GetImage?token=81ae--1",
        "bRec": false,
        "strPushUrl": "",
        "strServerToken": "",
        "strOriginalToken": "",
        "strServerUuid": "",
        "nOriginalType": "H5_ZERO",
        "strDeviceId": "",
        "strDeviceName": "",
        "bDisable": false,
        "bIdle": false
    }
]
}

```

## 6.6 Add Hikvision SDK device

### Description

Add Hikvision SDK device.

### Usage

<b>Request parameters</b>	<b>GET</b>
---------------------------	------------

URL	/api/v1/AddDeviceHik
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default
isapi	boolean	optional	Whether to enable ISAPI mode, which is disabled by default

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/AddDeviceHik?
name=device3&token=device4&user=admin&password=admin12345&ip=192.168.100.101&port=8
```

---

```
000&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&maxchannel=0&isapi=false&sandbox=true'
```

```
{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 6.7 Add Dahua SDK device

### Description

Add Dahua SDK device.

### Usage

Request parameters	GET
URL	/api/v1/AddDeviceDh
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to

			H5_SANDBOX_AUTO, and is disabled by default
--	--	--	---

**Response**

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

**Examples**

```
'http://192.168.100.145:8080/api/v1/AddDeviceDh?
name=device2&token=device2&user=admin&password=admin12345&ip=192.168.100.106&port=3
7777&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0
```

```
{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 6.8 Add the Tiandi SDK device

**Description**

Add the Tiandi SDK device.

**Usage**

Request parameters	GET
URL	/api/v1/AddDeviceTd
data	none

**Parameters**

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name

---

password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/AddDeviceTd?
name=device3&token=device1&user=admin&password=admin12345&ip=192.168.100.125&port=3
000&audio=false&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0'
```

```
{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 6.9 Add Huawei IVS equipment

### Description

Add Huawei IVS equipment, support IVS1800, IVS3800.

### Usage

Request parameters	GET
URL	/api/v1/AddDeviceIVS

data	none
------	------

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/AddDeviceIvs?
name=deviceivs1800&token=deviceivs&user=chao_1&password=admin12345&ip=192.168.100.2
30&port=18531&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0'
```

{

---

```

        "bStatus": true,
        "strCode": "Add successfully"
    }

```

## 6.10 Add UVC SDK device

### Description

Add UVC SDK device.

### Usage

Request parameters	GET
URL	/api/v1/AddDeviceUnv
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default
vms	boolean	optional	VMS mode is enabled. If it is false, it indicates NVR. It is optional and the default is false

**Response**

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

**Examples**

```
'http://192.168.100.145:8080/api/v1/AddDeviceUnv?
name=device2&token=device2&user=admin&password=admin12345&ip=192.168.100.133&port=8
0&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0&vms=false'

{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 6.11 Add Hikvision ISC platform

**Description**

Add Hikvision ISC platform.

**Usage**

Request parameters	GET
URL	/api/v1/AddDeviceHikISC
data	none

**Parameters**

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address

---

port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/AddDeviceHikISC?
name=device3&token=device10&user=22936233&password=px50TzrNNUiUluxloJLG&ip=192.168.
100.132&port=443&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0'

{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 6.12 Add Hikvision INFO Vision platform

### Description

Add Hikvision INFO Vision platform

### Usage

Request parameters	GET
URL	/api/v1/AddDeviceHikInfov
data	none

## Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/AddDeviceHikInfo?
name=device3&token=device10&user=20568911&password=fbb0qvM1VRzF4y1C6agZ&ip=192.168.
100.232&port=443&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0'

{
    "bStatus": true,
    "strCode": "Add successfully"
```

---

}

## 6.13 Add Dahua DSS platform

### Description

Add Dahua DSS platform.

### Usage

Request parameters	GET
URL	/api/v1/AddDeviceDss
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
name	string	must	Device Name
token	string	must	Device token, the token cannot be repeated. Please refer to the FAQ token rules
user	string	must	user name
password	string	must	password
ip	string	must	Device IP address
port	string	must	Device Port
audio	boolean	must	Whether to enable audio
maxchannel	int	optional	The maximum number of channels, 0 indicates unlimited, others are the maximum number of channels loaded, and the default is 0
sandbox	boolean	optional	Whether to enable sandbox, which takes effect when the device configuration nSandboxMode is set to H5_SANDBOX_AUTO, and is disabled by default

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure

strCode	string	Specific description of API success or failure
---------	--------	--

## Examples

```
'http://192.168.100.145:8080/api/v1/AddDeviceDss?
name=devicedss&token=devicedss&user=admin&password=admin12345&ip=192.168.100.133&po
rt=9000&audio=true&session=918131a9-c3ba-4bbd-a557-
c1336090fabd&sandbox=false&maxchannel=0'

{
    "bStatus": true,
    "strCode": "Add successfully"
}
```

## 6.14 Delete device

### Description

Delete device.

### Usage

Request parameters	GET
URL	/api/v1/DelDevice
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Device token

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

---

```
'http://192.168.100.145:8080/api/v1/DelDevice?token=devicevik&session=f0e8a036-e785-482b-a501-aa3cbf227163'

{
    "bStatus": true,
    "strCode": "Del successfully"
}
```

**7.GB28181**

---

## 7 GB28181

### Device

The GB28181 device management API includes functions related to national standard devices.

### 7.1 Obtain the GB28181 configuration

#### Description

Obtain the GB28181 configuration.

#### Usage

Request parameters	GET
URL	/api/v1/GetGbConf
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

#### Response

Name	Type	Description
bEnable	boolean	Whether to enable GB28181 service
strGbID	string	GB28181 ID, need to comply with GB28181 ID standard
strRealm	string	SIP domain
strPassword	string	GB28181 service password
strGbServerProt o	string	Signaling protocol, supporting UDP and TCP, the protocol type needs to correspond to the configuration on the device
strGbStreamProt o	string	Code stream protocol, supporting UDP and TCP
strGbServerIpAd dr	string	The service IP address needs to be modified according to the actual situation. If it is a cloud service, it needs to be modified to the mapped IP address
nGbServerPort	int	Service Port
nGbTimeout	int	GB28181 timeout. If the device does not keep alive or register a message after this time, it will be automatically deleted
nPortRangeMin	int	Starting from the code stream port, it is necessary to open the corresponding range in the firewall

nPortRangeMax	int	End of code stream port
bEnableAudio	boolean	Whether to enable audio
bEnableSSRCCheck	boolean	Whether to enable the stream SSRC check
bSubAlarm	boolean	Whether to subscribe to the alarm
bSubMobilePosition	boolean	Whether to subscribe to the alarm

## Examples

```
'http://192.168.100.145:8080/api/v1/GetGbConf?session=918131a9-c3ba-4bbd-a557-c1336090fabd'

{
    "bEnable": true,
    "strGbID": "34020000002000000001",
    "strRealm": "3402000000",
    "strPassword": "3402000000",
    "strGbServerProto": "UDP",
    "strGbStreamProto": "UDP",
    "strGbServerIpAddr": "192.168.100.103",
    "nGbServerPort": 5060,
    "nGbTimeout": 7200,
    "nPortRangeMin": 55000,
    "nPortRangeMax": 59999,
    "bEnableAudio": false,
    "bEnableSSRCCheck": false,
    "bSubAlarm": true,
    "bSubMobilePosition": true
}
```

## 7.2 Set GB28181 configuration

### Description

Set the GB28181 configuration and restart the service to take effect.

### Usage

Request parameters	GET
URL	/api/v1/SetGbConf

---

data	none
------	------

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
enable	boolean	must	Whether to enable GB28181 service
Gbid	string	must	GB28181 ID, need to comply with GB28181 ID standard
realm	string	must	SIP domain
password	string	must	GB28181 service password
Gbserverproto	string	must	Signaling protocol, supporting UDP and TCP, the protocol type needs to correspond to the configuration on the device
Gbstreamproto	string	must	Code stream protocol, supporting UDP and TCP
Gbserverlpaddr	string	must	The service IP address needs to be modified according to the actual situation. If it is a cloud service, it needs to be modified to the mapped IP address
Gbserverport	int	must	Service Port
Gbtimeout	int	must	GB28181 timeout. If the device does not keep alive or register a message after this time, it will be automatically deleted
portrangemin	int	must	Starting from the code stream port, it is necessary to open the corresponding range in the firewall
portrangemax	int	must	End of code stream port
enableaudio	boolean	must	Whether to enable audio, true or false
enableSSRCcheck	boolean	must	Whether to enable the stream SSRC check, true or false
subalarm	boolean	must	Whether to subscribe to the alarm, true or false
submobileposition	boolean	must	Whether to subscribe to the location, true or false

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure

strCode	string	Specific description of API success or failure
---------	--------	--

## Examples

```
'http://192.168.100.145:8080/api/v1/SetGbConf?session=918131a9-c3ba-4bbd-a557-
c1336090fabd&enable=true&Gbid=34020000002000000001&realm=3402000000&password=340200
0000&Gbserverproto=UDP&Gbstreamproto=UDP&GbserverIpaddr=192.168.100.103&Gbserverpor
t=5060&Gbtimeout=7200&portrangemin=55000&portrangemax=59999&enableaudio=false&enabl
eSSRCcheck=false&subalarm=true&submobileposition=true'

{
    "bStatus": true,
    "strCode": "SetGb28181Conf successfully"
}
```

## 7.3 Obtain the list of GB28181 devices

### Description

Obtain the list of GB28181 devices.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetGbDevice
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	optional	Get the GB device with the specified token, where the token is the GB28181ID of the device. By default, all devices are obtained

### Response

Name	Type	Description
dev	array	Refer to Device-» Equipment Data Format

## Examples

---

```
'http://192.168.100.145:8080/api/v1/GetGbDevice?  
token=34020000001180010103&session=918131a9-c3ba-4bbd-a557-c1336090fabd'  
  
{  
    "dev": [  
        {  
            "nType": "H5_DEV_GB",  
            "strName": "34020000001180010103",  
            "strToken": "34020000001180010103",  
            "strUser": "invalid",  
            "strPasswd": "invalid",  
            "bPasswdEncrypt": false,  
            "strDevIpAddress": "invalid",  
            "strDevPort": "invalid",  
            "bEnableAudio": false,  
            "bCentralRecord": false,  
            "bOnline": true  
        },  
        {  
            "nType": "H5_DEV_GB",  
            "strName": "34020000001320000004",  
            "strToken": "34020000001320000004",  
            "strUser": "invalid",  
            "strPasswd": "invalid",  
            "bPasswdEncrypt": false,  
            "strDevIpAddress": "invalid",  
            "strDevPort": "invalid",  
            "bEnableAudio": false,  
            "bCentralRecord": false,  
            "bOnline": true  
        }  
    ]  
}
```

## 7.4 Restart the GB28181 device

### Description

Restart the GB28181 device.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/RebootGbDevice
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	token is the GB28181 ID of the device

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/RebootGbDevice?  
token=34020000001180010103&session=918131a9-c3ba-4bbd-a557-c1336090fabd'  
  
{  
    "bStatus": true,  
    "strCode": "Reboot successfully"  
}
```

## 7.5 Refresh GB28181 device

### Description

Refresh the GB28181 device, and this API will cause the service to retrieve the channel directory list from the device again.

### Usage

<b>Request parameters</b>	<b>GET</b>
---------------------------	------------

---

URL	/api/v1/RefreshGbDevice
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	token is the GB28181 ID of the device

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/RefreshGbDevice?
token=34020000001180010103&session=918131a9-c3ba-4bbd-a557-c1336090fabd'

{
    "bStatus": true,
    "strCode": "Refresh successfully"
}
```

## 7.6 Obtain the video source list of GB28181 device

### Description

Obtain the list of video sources (channels) for GB28181 devices.

### Usage

Request parameters	GET
URL	/api/v1/GetGbDeviceSrc
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	token is the GB28181 ID of the device

## Response

Name	Type	Description
src	array	Refer to <b>Device-» Equipment Data Format</b>

## Examples

```
'http://192.168.100.145:8080/api/v1/GetGbDeviceSrc?
token=34020000001180010103&session=918131a9-c3ba-4bbd-a557-c1336090fabd'
```

```
{
  "src": [
    {
      "nType": "H5_CH_GB",
      "strName": "cs",
      "strToken": "34020000001320000174",
      "strUrl": "invalid",
      "strUser": "invalid",
      "strPasswd": "invalid",
      "bPasswdEncrypt": false,
      "bEnableAudio": false,
      "nConnectType": "H5_AUTO",
      "nRTSPType": "H5_RTSP_AUTO",
      "strSrcIpAddress": "invalid",
      "strSrcPort": "invalid",
      "nChannelNumber": 0,
      "bOnvifProfileAuto": true,
      "strOnvifAddr": "invalid",
      "strOnvifProfileMain": "invalid",
      "strOnvifProfileSub": "invalid",
      "bRTSPPlayback": false,
      "nRTSPPlaybackSpeed": 1,
      "bOnline": true,
    }
  ]
}
```

```
        "strSnapshotUrl": "/api/v1/GetImage?token=34020000001320000174",
        "bRec": false,
        "strPushUrl": "",
        "strServerToken": "",
        "strOriginalToken": "",
        "strServerUuid": "",
        "nOriginalType": "H5_ZERO",
        "strDeviceId": "",
        "strDeviceName": "",
        "bDisable": false
    }
]
}
```

## **8.Record**



---

## 8 Record

### Record

The video management API includes video-related functions.

#### 8.1 Screenshot

##### Description

Capture a screenshot from the video stream of the video source and save it to the server. Asynchronous API, you can obtain the success or failure status of the screenshot capture through the event API. You can use the Search API to search for screenshots.

##### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/Snapshot
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
num	int	optional	The number of screenshots, default 1, minimum 1, maximum 2147483647
internal	int	optional	If the number of captured images is greater than 1, this parameter indicates the interval time, in seconds

##### Response

Name	Type	Description
bStatus	boolean	The API is successful or failed. True indicates success and false indicates failure. Because the API is asynchronous, a successful API return indicates a successful API call. You can obtain the screenshot result status through the event API or by delaying access to determine whether the file exists to obtain the screenshot status. The delay needs to be greater than 2 seconds.
strCode	string	Specific description of API success or failure
strFileName	string	file name

strUrl	string	File path. If the screenshot is successful, you can add the service port and session to access the file, such as: <a href="http://192.168.100.145:8080/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163">http://192.168.100.145:8080/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163</a> or <a href="https://192.168.100.145:8443/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163">https://192.168.100.145:8443/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163</a>
--------	--------	---

## Examples

```
'http://192.168.100.145:8080/api/v1/Snapshot?token=81ae--1&session=f0e8a036-e785-482b-a501-aa3cbf227163&num=1&internal=1'
```

```
{
    "bStatus": true,
    "strCode": "Snapshot start successfully",
    "strFileName": "81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg",
    "strUrl": "/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg"
}
```

## 8.2 Playback screenshot

### Description

Playback capture, capture a picture from the video stream being played back and save it to the server. Asynchronous API, you can obtain the success or failure status of the capture through the event API. You can use the Search API to search for captures.

### Usage

Request parameters	GET
URL	/api/v1/PbSnapshot
data	none

### Parameters

Name	Type	Parameter mandatory	Description

---

session	string	must	Session obtained by Login
token	string	must	Video source token
pbsess	string	must	For playback session, refer to JS video playback SDK-> Playback video interface parameter H5S_EVENT_PB_SESSION_ID

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure. Because the API is asynchronous, API return success indicates API call success. You can obtain the screenshot result status through the event API, or delay access to determine whether the file exists to obtain the screenshot status. The delay needs to be greater than 2 seconds.
strCode	string	Specific description of API success or failure
strFileName	string	file name
strUrl	string	File path. If the screenshot is successful, you can add the service port and session to access the file, such as: <a href="http://192.168.100.145:8080/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163">http://192.168.100.145:8080/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163</a> or <a href="https://192.168.100.145:8443/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163">https://192.168.100.145:8443/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163</a>

## Examples

```
'http://192.168.100.145:8080/api/v1/PbSnapshot?token=device1--33&pbsession=7b767566-f969-4f0d-9584-53aaafc539b0&session=f0e8a036-e785-482b-a501-aa3cbf227163'
```

```
{
  "bStatus": true,
  "strCode": "PbSnapshot start successfully",
  "strFileName": "81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg",
```

```

    "strUrl": "/mediastore/snapshot/81ae--1/2022-06-17TZ08/16-01-01/81ae--1-
1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg"
}

```

## 8.3 Manual video recording is on

### Description

Enable manual video recording. If the alwayscreate parameter is false, the service will continue to record video indefinitely. After the service restarts, it will continue to record video. You can use the Search API to search for videos.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/ManualRecordStart
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
alwayscreate	boolean	optional	True or false, indicating whether to always create a new video session regardless of whether it is currently recording. The default is false
limittime	int	optional	If alwayscreate is true, this parameter needs to be specified to automatically stop recording after the time is up, in seconds

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure
strFileName	string	file name
strUrl	string	File path. If the screenshot is successful, you can add the service port and session to access the file, such as: <a href="http://192.168.100.145:8080/mediastore/record/token1/2020-01-14TZ08/08-35-02/token1-6455eb98-e344-">http://192.168.100.145:8080/mediastore/record/token1/2020-01-14TZ08/08-35-02/token1-6455eb98-e344-</a>

---

		<a href="https://192.168.100.145:8443/mediastore/record/token1/2020-01-14T08/08-35-02/token1-6455eb98-e344-4912-a7ef-eb2ffd8a30ee.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163">4912-a7ef-eb2ffd8a30ee.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163</a> or <a href="https://192.168.100.145:8443/mediastore/record/token1/2020-01-14T08/08-35-02/token1-6455eb98-e344-4912-a7ef-eb2ffd8a30ee.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163">https://192.168.100.145:8443/mediastore/record/token1/2020-01-14T08/08-35-02/token1-6455eb98-e344-4912-a7ef-eb2ffd8a30ee.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163</a>
--	--	--

## Examples

```
'http://192.168.100.145:8080/api/v1/ManualRecordStart?  
token=token1&session=f0e8a036-e785-482b-a501-aa3cbf227163'  
  
{  
    "bStatus": true,  
    "strCode": "ManualRecordStart successfully",  
    "strFileName": "token1-6455eb98-e344-4912-a7ef-eb2ffd8a30ee.mp4",  
    "strUrl": "/mediastore/record/token1/2020-01-14T08/08-35-02/token1-6455eb98-  
e344-4912-a7ef-eb2ffd8a30ee.mp4"  
}
```

## 8.4 Stop manual video recording

### Description

Stop manual recording with the alwayscreate parameter set to false. If the alwayscreate parameter is set to false, the recording will automatically stop after the limit time has elapsed.

### Usage

Request parameters	GET
URL	/api/v1/ManualRecordStart
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token

### Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure
strCode	string	Specific description of API success or failure

## Examples

```
'http://192.168.100.145:8080/api/v1/ManualRecordStop?token=token1&session=f0e8a036-e785-482b-a501-aa3cbf227163'
```

```
{
    "bStatus": true,
    "strCode": "ManualRecordStop successfully"
}
```

## 8.5 File

### Description

Archiving involves capturing a segment of video from a remote device or NVR and storing it on the service. It uses asynchronous APIs, and the success or failure status of the archiving can be obtained through event APIs. The Search API can be used to search for archived videos.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/Archive
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
start1	int	must	Starting time: March 29, 2018
start2	int	must	Start time 2 20-3-29 hours-minutes-seconds
duration	int	must	The duration of archiving, measured in seconds

---

speed	int	optional	Archiving speed, 1, 2, 4, default is 1
forceh264	boolean	optional	true/false Whether to force transcoding from H.265 to H.264, the default is false without transcoding
tz	int	optional	8 or -8, if there is no such parameter, the default is to use the time zone of the server

## Response

Name	Type	Description
bStatus	boolean	API success or failure, true indicates success, false indicates failure. Because the API is asynchronous, API return success indicates API call success. You can obtain the screenshot result status through the event API, or use GetArchiveStatus to capture the screenshot progress.
strCode	string	Specific description of API success or failure
strFileName	string	file name
strUrl	string	File path. If the file is successfully archived, you can add the service port and session to access the file, such as: <a href="http://192.168.100.145:8080/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163">http://192.168.100.145:8080/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163</a> or <a href="https://192.168.100.145:8443/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163">https://192.168.100.145:8443/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163</a>

## Examples

```
'http://192.168.100.145:8080/api/v1/Archive?token=cfab--35&start1=2021-12-8&start2=8-30-6&duration=20&speed=1&session=f0e8a036-e785-482b-a501-aa3cbf227163&forceh264=true'
```

```
{
    "bStatus": true,
    "strCode": "Archive successfully",
    "strFileName": "device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4",
```

```

    "strUrl": "/mediastore/archive/device1--33/2020-01-14TZ08/09-54-24/device1--33-
9d3742a0-84d2-4d5d-bb11-1dalb450cfbc.mp4"
}

```

## 8.6 Archive screenshots

### Description

Archiving captures images from remote devices or NVRs and stores them on the service. The asynchronous API can be used to obtain the success or failure status of archiving captures through the event API. The Search API can be used to search for archived captures.

### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/ArchiveSnapshot
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
start1	int	must	Starting time: March 29, 2018
start2	int	must	Start time 2 20-3-29 hours-minutes-seconds
num	int	optional	The number of screenshots, default 1, minimum 1, maximum 2147483647
internal	int	optional	If the number of captured images is greater than 1, this parameter indicates the interval time, in seconds

### Response

Name	Type	Description
bStatus	boolean	The API is successful or failed. true indicates success and false indicates failure. Because the API is asynchronous, a successful API return indicates a successful API call. You can obtain the screenshot result status through the event API or by delaying access to determine whether the file exists to obtain the screenshot status. The delay needs to be greater than 2 seconds.

strCode	string	Specific description of API success or failure
strFileName	string	file name
strUrl	string	<p>File path. If the screenshot is successful, you can add the service port and session to access the file, such as:</p> <p><a href="http://192.168.100.145:8080/mediastore/snapshot/81ae-1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163">http://192.168.100.145:8080/mediastore/snapshot/81ae-1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163</a></p> <p>or</p> <p><a href="https://192.168.100.145:8443/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163">https://192.168.100.145:8443/mediastore/snapshot/81ae--1/2022-06-17T08/16-01-01/81ae--1-1c18dc86-ed7d-4262-9986-d562aca71d7b.jpg?session=f0e8a036-e785-482b-a501-aa3cbf227163</a></p>

## Examples

```
'http://192.168.100.145:8080/api/v1/ArchiveSnapshot?token=cfab--35&start1=2021-12-8&start2=8-30-6&session=f0e8a036-e785-482b-a501-aa3cbf227163'

{
    "bStatus": true,
    "strCode": "Archive Snap shot start successfully",
    "strFileName": "cfab--36-0efe7498-9bc9-411a-84e8-7a1c1c81e773.jpg",
    "strUrl": "/mediastore/snapshot/cfab--36/2021-12-09T08/18-32-17/cfab--36-0efe7498-9bc9-411a-84e8-7a1c1c81e773.jpg"
}
```

## 8.7 Get the archive status

### Description

Get the archive status.

### Usage

Request parameters	GET
URL	/api/v1/GetArchiveStatus
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token
filename	int	must	The file name returned by the archiving API, strFileName field

### Response

Name	Type	Description
nPercentage	int	-1 indicates failure, 1 to 99 indicate in progress, 100 indicates success, and 0 indicates non-existence or cleanup.
strCode	string	Specific description of API success or failure

### Examples

```
'http://192.168.100.145:8080/api/v1/GetArchiveStatus?token=device1--33&filename=device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4&session=f0e8a036-e785-482b-a501-aa3cbf227163'

{
    "strCode": "Archive status successfully",
    "nPercentage": 21
}
```

## 8.8 Search for service videos

### Description

The search service video API can search for screenshots/videos/archives on the server.

### Usage

Request parameters	GET
URL	/api/v1/Search
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

---

token	string	must	Video source token
type	string	must	record or snapshot or archive
start	string	must	ISO8601 format time, such as 2018-03-07T120101+08, needs URL encoding, refer to <a href="#">www/tool.html</a>
end	string	must	ISO8601 format time, such as 2018-03-07T130101+08, needs URL encoding, refer to <a href="#">www/tool.html</a>

## Response

Name	Type	Description
strToken	string	Video source token
strStartTime	string	Start time of video recording, ISO8601 format
strEndTime	string	Video end time, ISO8601 format
strPath	string	File path, you can add the service port and session to access the file, such as: <a href="http://192.168.100.145:8080/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163">http://192.168.100.145:8080/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163</a> or <a href="https://192.168.100.145:8443/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163">https://192.168.100.145:8443/mediastore/archive/device1--33/2020-01-14T08/09-54-24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4?session=f0e8a036-e785-482b-a501-aa3cbf227163</a>
strDuration	int	Video duration, if it is a screenshot, this field is 0

## Examples

```
'http://192.168.100.145:8080/api/v1/Search?type=archive&start=2020-01-13T120101%2b08&end=2020-01-14T130101%2b08&token=device1--33&session=f0e8a036-e785-482b-a501-aa3cbf227163'
```

```
{
  "record": [
    {
      "strToken": "device1--33",
      "strStartTime": "2020-01-14T09:54:24+08:00",
      "strEndTime": "2020-01-14T09:56:44+08:00",
    }
  ]
}
```

```

        "strDuration": "140",
        "strPath": "/mediastore/archive/device1--33/2020-01-14TZ08/09-54-
24/device1--33-9d3742a0-84d2-4d5d-bb11-1da1b450cfbc.mp4"
    },
    {
        "strToken": "device1--33",
        "strStartTime": "2020-01-14T10:16:39+08:00",
        "strEndTime": "2020-01-14T10:16:39+08:00",
        "strDuration": "0",
        "strPath": "/mediastore/archive/device1--33/2020-01-14TZ08/10-16-
39/device1--33-f77ee541-066f-489a-afdf-9295b3d4c651.mp4"
    }
]
}

```

## 8.9 Search remote video

### Description

Searching for remote video API can search for video from access devices (NVR) or platforms.

### Usage

Request parameters	GET
URL	/api/v1/SearchDeviceRecordByTime
data	none

### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login
token	string	must	Video source token generated by device or GB28181
type	string	must	record or snapshot or archive
start	string	must	ISO8601 format time, such as 2018-03-07T120101+08, needs URL encoding, refer to www/tool.html
end	string	must	ISO8601 format time, such as 2018-03-07T130101+08, needs URL encoding, refer to www/tool.html

---

## Response

Name	Type	Description
bFinished	boolean	Whether the search is complete in the input time period. If false, the end time of the last video returned can be used as the start parameter to re-search, which can fully search all video segments
strStartTime	string	Video start time, ISO8601 format
strEndTime	string	End time of video recording, ISO8601 format
nType	string	H5_REC_MANUAL/H5_REC_SCHEDULE/H5_REC_ALARM Manual video recording/scheduled video recording/alarm video recording

## Examples

```
'http://192.168.100.145:8080/api/v1/SearchDeviceRecordByTime?token=edf8--35&start=2020-1-13T00:00:00%2b08&end=2020-1-13T23:59:59%2b08&session=f0e8a036-e785-482b-a501-aa3cbf227163'

{
    "bFinished": true,
    "record": [
        {
            "strStartTime": "2020-01-12T22:25:52+08:00",
            "strEndTime": "2020-01-12T22:40:52+08:00",
            "nType": "H5_REC_MANUAL"
        },
        {
            "strStartTime": "2020-01-12T22:40:52+08:00",
            "strEndTime": "2020-01-12T22:55:52+08:00",
            "nType": "H5_REC_MANUAL"
        }
    ]
}
```

## **9.Region**

---

## 9 Region

### Region

Regional management related functions.

#### 9.1 Get the list of regions

##### Description

Get the list of regions.

##### Usage

<b>Request parameters</b>	<b>GET</b>
URL	/api/v1/GetRegion
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
session	string	must	Session obtained by Login

##### Response

Name	Type	Description
root	root node	Root is a circular recursive data structure
strName	string	Region Name
strToken	string	Regional token
cam	array	The video source token list under the region. For detailed information about the video source, refer to the src field
node	struct	Lower level areas
src	struct	Reference <b>video source management-» Video source data format</b>

##### Examples

```
'http://192.168.100.126:8080/api/v1/GetRegion?session=2519d427-7819-445b-8cda-0a1f961a1ee9'
```

```
{
  "root": {
```

```
"strName": "root",
"strToken": "root",
"cam": [
{
    "strToken": "0315--1"
}
],
"node": [
{
    "strName": "ground floor",
    "strToken": "7382ef8a-344d-40df-9694-224ae48a0d4d",
    "cam": [
{
        "strToken": "e8f9--1"
}
],
"node": []
}
]
},
"src": [
{
    "nType": "H5_CH_DEV",
    "strName": "Camera 186",
    "strToken": "0315--1",
    "strUrl": "invalid",
    "strUser": "invalid",
    "strPasswd": "*****",
    "bPasswdEncrypt": false,
    "bEnableAudio": false,
    "nConnectType": "H5_AUTO",
    "nRTSPType": "H5_RTSP_AUTO",
    "strSrcIpAddress": "invalid",
    "strSrcPort": "invalid",
    "nChannelNumber": 0,
    "bEnableUrlSub": false,
    "strUrlSub": "",
    "bOnvifProfileAuto": true,
```

```
        "strOnvifAddr": "invalid",
        "strOnvifProfileMain": "invalid",
        "strOnvifProfileSub": "invalid",
        "bRTSPPlayback": false,
        "nRTSPPlaybackSpeed": 1,
        "bOnline": true,
        "strSnapshotUrl": "/api/v1/GetImage?token=0315--1",
        "bRec": false,
        "strPushUrl": "none",
        "strServerToken": "",
        "strOriginalToken": "",
        "strServerUuid": "",
        "nOriginalType": "H5_ZERO",
        "strDeviceId": "",
        "strDeviceName": "",
        "bDisable": false,
        "bIdle": false
    },
    {
        "nType": "H5_CH_DEV",
        "strName": "Camera 01",
        "strToken": "e8f9--1",
        "strUrl": "invalid",
        "strUser": "invalid",
        "strPasswd": "*****",
        "bPasswdEncrypt": false,
        "bEnableAudio": false,
        "nConnectType": "H5_AUTO",
        "nRTSPType": "H5_RTSP_AUTO",
        "strSrcIpAddress": "invalid",
        "strSrcPort": "invalid",
        "nChannelNumber": 0,
        "bEnableUrlSub": false,
        "strUrlSub": "",
        "bOnvifProfileAuto": true,
        "strOnvifAddr": "invalid",
        "strOnvifProfileMain": "invalid",
        "strOnvifProfileSub": "invalid",
    }
]
```

```
        "bRTSPPlayback": false,  
        "nRTSPPlaybackSpeed": 1,  
        "bOnline": true,  
        "strSnapshotUrl": "/api/v1/GetImage?token=e8f9--1",  
        "bRec": false,  
        "strPushUrl": "none",  
        "strServerToken": "",  
        "strOriginalToken": "",  
        "strServerUuid": "",  
        "nOriginalType": "H5_ZERO",  
        "strDeviceId": "",  
        "strDeviceName": "",  
        "bDisable": false,  
        "bIdle": false  
    }  
]  
}
```



## **10.JS video playback SDK**



---

## 10 JS video playback SDK

### JS video playback SDK

The JS video playback SDK provides interfaces for real-time video and playback in the HTML5 environment. The JS video playback SDK requires the www/js/h5splayer.js package to be referenced. Refer to the www/rtc.html example. This section introduces the relevant interfaces. The following are relevant examples. You can open ws.html and rtc.html to reference the relevant code.

<http://localhost:8080/ws.html?token=token2>  
<http://localhost:8080/rtc.html?token=token2>  
<http://localhost:8080/ws.html?token=token2&stream=main>  
<http://localhost:8080/rtc.html?token=token2&stream=sub>

If you need to automatically play, starting from r11.3, ws.html and rtc.html support automatic playback, and you can add autoplay=true.

<http://192.168.100.122:8080/rtc.html?token=token1&autoplay=true>  
<http://192.168.100.122:8080/ws.html?token=token1&autoplay=true>

<http://localhost:8080/rtmp.html?token=token2>  
<http://localhost:8080/rtmp2.html?token=token2>

The token needs to be replaced with the configured token or generated token. If it is an NVR or platform device, you can view the corresponding token in the management interface Setting-> Device-> All. Alternatively, you can use GetDeviceSrc/GetGbDeviceSrc/GetCloudDeviceSrc to obtain it separately. For specific usage methods, please refer to the API documentation.

If authentication is enabled for the service, you need to obtain a session from the Login API and keep it alive using the Keepalive API (the default timeout is 600 seconds). To add a session to the original address, use the following command format.

<http://192.168.100.145:8080/ws.html?token=1d4f&session=4ec47fb4-a74a-4e02-96a1-369151cfcb09>

### 10.1 Real-time video interface parameters

#### Interface Description

The javascript interface parameters are as follows:

```
var conf = {
```

```
videoid:'h5sVideo1', //{string} - id of the video element tag
```

```

videodom: h5svideodom1, //{object} - video dom. if there has videoid, just use the
videoid

protocol: window.location.protocol, // {string} - 'http:' or 'https:'

host: window.location.host, //{string} - 'localhost:8080'

rootpath:window.location.pathname, // {string} - path of the app running

token:'token1', // {string} - token of stream

streamprofile: 'main', // {string} - stream profile, main/sub or other predefine
transcoding profile

pbconf: pbconf1, //This is optional, if no pbconf, this will be live.

hlsver:'v1', //{string} - v1 is for ts, v2 is for fmp4

session:'c1782caf-b670-42d8-ba90-2244d0b0ee83', //{string} - session got from
login

consolelog: 'true' // 'true' or 'false' enable/disable console.log

};


```

## Parameters

Name	Type	Parameter mandatory	Description
videoid	string	optional	HTML5 video element id, videoid和videodom either-or
videodom	string	optional	HTML5 video DOM, videoid和videodom either-or
protocol	string	must	agreement 'http:' or 'https:'
host	string	must	Service Host 'localhost:8080' or '192.168.1.1:8080'
rootpath	string	must	API root path, the default is '/'. If the service is proxied, fill in the proxied path
token	string	must	Video source token
streamprofile	string	optional	main/sub or predefined transcoding profile token, effective for real-time video
pbconf	string	optional	The playback configuration item is empty in real time. For the specific format, refer to <b>the playback video interface parameters</b>
hlsver	string	optional	Outdated parameter, keep 'v1'

---

session	string	must	Session obtained by Login
consolelog	string	optional	Whether to enable the playback of SDK logs, enabled by default

## Examples

See the example at [www/rtc.html](http://www/rtc.html).

## 10.2 Playback video interface parameters

### Description

The javascript interface parameters are as follows. Remote playback refers to playback from the NVR or third-party platform, and service playback refers to playback from H5S video data.

```
function PlaybackCB(event, userdata)
{
    var msgevent = JSON.parse(event);
    if (msgevent.type === 'H5S_EVENT_PB_TIME')
    {
    }

    if (msgevent.type === 'H5S_EVENT_PB_SESSION_ID')
    {
    }
}

var pbconf1 = {

beginTime: '2019-03-23T120101+08',//{string} beginTime 0 for fileplayback
endTime: '2019-03-23T150101+08',//{string} endTime 0 for fileplayback
autoplay: 'true', // 'true' or 'false' for playback autoplay
showPoster: 'true', // 'true' or 'false' show poster
serverpb: 'true', // 'true' or 'false' playback from h5stream record, default false
filename: 'token1.mp4', // file name need to playback (beginTime == 0 & endTime == 0 and serverpb is true)
callback: PlaybackCB, //{function}(event(string), userdata(object))
}
```

```

        userdata: user data // user data

    };

var conf = {

    videoid:'h5sVideo1', //{{string}} - id of the video element tag

    videodom: h5svideodom1, //{{object}} - video dom. if there has videoid, just use the
videoid

    protocol: window.location.protocol, // {{string}} - 'http:' or 'https:'

    host: window.location.host, //{{string}} - 'localhost:8080'

    rootpath:window.location.pathname, // {{string}} - path of the app running

    token:'token1', // {{string}} - token of stream

    streamprofile: 'main', // {{string}} - stream profile, main/sub or other predefined
transcoding profile

    pbconf: pbconf1, //This is optional, if no pbconf, this will be live.

    hlsver:'v1', //{{string}} - v1 is for ts, v2 is for fmp4

    session:'c1782caf-b670-42d8-ba90-2244d0b0ee83', //{{string}} - session got from
login

    consolelog: 'true' // 'true' or 'false' enable/disable console.log

};

```

## Parameters

The conf interface parameters refer to the real-time video interface parameters. The following is an introduction to the playback parameters.

Name	Type	Parameter <b>mandatory</b>	Description
begintime	string	must	Playback start time, ISO 8601 format
endtime	string	must	Playback end time, ISO 8601 format
autoplay	string	must	Whether to play automatically
showposter	string	must	Whether to display the latest data frame of the video source cache

---

serverpb	string	must	Is it service playback or remote playback
filename	string	optional	When both begintime and endtime are '0', it means playback by file name. When playing back by file name, filename is the file name returned by the video command, such as "strFileName": "107-e88c9fae-2c56-4329-b9e2-ec99dd36ab9d.mp4"
callback	function	must	Replay event callback
userdata	object	must	Replay event callback parameters

The callback function will provide the current playback information. The specific event description is as follows:

Type	Description
H5S_EVENT_PB_SESSION_ID	Replay the session ID, which is called before the playback data starts. You can use PbSnapshot to capture the data that was replayed at that time
H5S_EVENT_PB_TIME	Playback progress, call every second

## Examples

For remote playback, please refer to [www/playback2.html](#)

For file-based playback during service playback, refer to [www/serverfilepb.html](#)

For time-based playback during service playback, please refer to [www/serverpb.html](#)

## 10.3 WS interface

### Description

The javascript interface parameters are as follows.

```
function H5sPlayerWS(conf)
H5sPlayerWS.prototype.connect
H5sPlayerWS.prototype.disconnect
```

### Playback Control

```
H5sPlayerWS.prototype.start
H5sPlayerWS.prototype.pause
H5sPlayerWS.prototype.resume
```

### Parameters

The conf parameter refers to the real-time video interface parameters and playback video interface parameters. When WS is used for playback, control and speedup are not supported.

## Examples

Please refer to the example at [www/ws.html](http://www/ws.html).

## 10.4 RTC interface

### Description

The javascript interface parameters are as follows.

```
function H5sPlayerRTC(conf)
H5sPlayerRTC.prototype.connect
H5sPlayerRTC.prototype.disconnect
```

### Playback Control

```
H5sPlayerRTC.prototype.start
H5sPlayerRTC.prototype.pause
H5sPlayerRTC.prototype.resume
H5sPlayerRTC.prototype.speed(x) //x 0.5 1 2 4 8 16
H5sPlayerRTC.prototype.seek(x) //x The offset from the start playback time is in seconds
```

### Parameters

The conf parameter refers to the real-time video interface parameters and playback video interface parameters.

## Examples

Please refer to the example at [www/rtc.html](http://www/rtc.html).



## **11.Appendix A FAQ**

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## 11 Appendix A FAQ

### 1. Is there any naming rule for tokens in h5s?

The token of h5s is composed of letters and numbers, supports a single hyphen and underscore, and does not support special characters (such as @#\$ etc.). Correct examples include token1\_1 token1-1. Double hyphens are not supported, and examples of unsupported tokens include token1--1.