

# 1. Preview URL

## Rtmp (Only supports h264 encoding format stream)

### Main stream:

rtmp://(ip address)/bcs/channel(channel id)\_main.bcs?channel=(channel id)&stream=0&user=(user name)&password=(user password)

### Ext stream:

rtmp://(ip address)/bcs/channel(channel id)\_ext.bcs?channel=(channel id)&stream=0&user=(user name)&password=(user password)

### Sub stream:

rtmp://(ip address) /bcs/channel(channel id)\_sub.bcs?channel=(channel id)&stream=1&user=(user name) &password=(user password)

**Note: The “channel id” starts from 0**

### example:

1. Preview ipc device video

rtmp://192.168.123.145/bcs/channel0\_main.bcs?  
channel=0&stream=0&user=admin&password=xxxx

2. Preview the video of the third channel of nvr

rtmp://192.168.0.206/bcs/channel2\_main.bcs?  
channel=2&stream=0&user=admin&password=000000

## flv (Only supports h264 encoding format stream)

### Main stream:

http://(ip address)/flv?port=1935&app=bcs&stream=channel(channel id)\_main.bcs&user=(user name)&password=(user password)

### Ext stream:

http://(ip address)/flv?port=1935&app=bcs&stream=channel(channel id)\_ext.bcs&user=(user name)&password=(user password)

### Sub stream:

`http://(ip address)/flv?port=1935&app=bcs&stream=channel(channel id)_sub.bcs&user=(user name)&password=(user password)`

**Note: The “channel id” starts from 0**

*example:*

1. Preview ipc device video

`http://192.168.123.145/flv?`

`port=1935&app=bcs&stream=channel0_main.bcs&user=admin&password=xxxx`

2. Preview the video of the third channel of nvr

`http://192.168.0.206/flv?`

`port=1935&app=bcs&stream=channel2_main.bcs&user=admin&password=xxxx`

## rtsp

**main stream**(H265 encoding type):

`rtsp://(user name):(password)@(ip address):554/h265Preview_(channel number)_main`

or

`rtsp://(user name):(password)@(ip address):554/`

**main stream** (H264 encoding type) :

`rtsp://(user name):(password)@(ip address):554/h264Preview_(channel number)_main`

or

`rtsp://(user name):(password)@(ip address):554/`

**sub stream** (sub stream only support h264) :

`rtsp:// (user name) : (password) @ (ip address) :554/h264Preview_(channel number)_sub`

**Note: The “channel number” starts from 01**

*example:*

1. Preview ipc device video

`rtsp://admin:xxxx@192.168.123.145:554/h264Preview_01_main`

2. Preview the video of the third channel of nvr

`rtsp://admin:xxxx@192.168.0.206:554/h264Preview_03_main`

# 3.Playback URL

Ipc playback url:

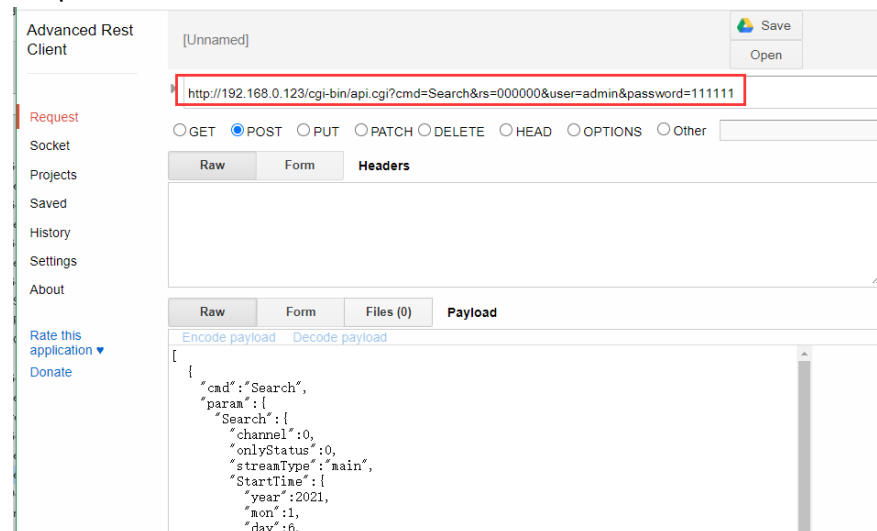
rtmp://(ip address)/vod/(file name)?&channel=0&stream=0&user=(user name)&password=(user password)

For searching the playback file name:

1. Open the Google Advanced REST client, input

*http:// (ip address) /cgi-bin/api.cgi?cmd=Search&rs= (any combination of numbers and letters) &user= (user name) &password= (user password) in*

Request;



Advanced Rest Client

[Unnamed]

Save Open

Request

Socket

Projects

Saved

History

Settings

About

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GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Raw Form Files (0) Payload

Encode payload Decode payload

```
[
  {
    "cmd": "Search",
    "param": {
      "Search": {
        "channel": 0,
        "onlyStatus": 0,
        "streamType": "main",
        "StartTime": {
          "year": 2021,
          "mon": 1,
          "day": 6,

```

2. Choose Post as method and type the below codes in Raw payload: (Change the "year", "mon", "day" to the date you want.)

```
[
{
  "cmd": "Search",
  "param": {
    "Search": {
      "channel": 0,
      "onlyStatus": 0,
      "streamType": "main",
      "StartTime": {
        "year": 2021,
```

```

    "mon":1,
    "day":6,
    "hour":1,
    "min":1,
    "sec":1
  },
  "EndTime":{
    "year":2021,
    "mon":1,
    "day":6,
    "hour":23,
    "min":59,
    "sec":59
  }
}
}
}
]

```

http://192.168.0.123/cgi-bin/api.cgi?cmd=Search&rs=000000&user=admin&password=111111

☐ GET
 ☒ POST
 ☐ PUT
 ☐ PATCH
 ☐ DELETE
 ☐ HEAD
 ☐ OPTIONS
 ☐ Other

Raw Form Headers

Raw Form Files (0) Payload

Encode payload Decode payload

```

[
{
  "cmd": "Search",
  "param": {
    "Search": {
      "channel": 0,
      "onlyStatus": 0,
      "streamType": "main",
      "StartTime": {
        "year": 2021,
        "mon": 1,
        "day": 6,
        "hour": 1,
        "min": 1,
        "sec": 1
      },
    },
    "EndTime": {
      "year": 2021,
      "mon": 1,
      "day": 6,
      "hour": 23,
      "min": 59,
      "sec": 59
    }
  }
}
]

```

application/x-www-form-urlencoded Set "Content-Type" header to overwrite this value.

3. Click SEND and the name of the playback files will show in below. Copy and Paste the file name in "rtmp:// (ip address) /vod/ (file name) ?&channel=0&stream=0&user=

(user name) &password= (user password) " and play the recordings in JWplayer.

application/x-www-form-urlencoded Set "Content-Type" header to overwrite this value.

Clear Send

Status: 200 OK Loading time: 227 ms

Request headers: User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36; Content-Type: application/x-www-form-urlencoded; Accept: \*/\*

Response headers: Date: Wed, 06 Jan 2021 07:21:49 GMT; Content-Type: text/html; Transfer-Encoding: chunked; Connection: keep-alive; X-Frame-Options: SAMEORIGIN; X-XSS-Protection: 1; mode=block; X-Content-Type-Options: nosniff

Raw Parsed Response

Open output in new window Copy to clipboard Save as file Open in JSON tab

```
[{"cmd": "Search", "code": 0, "value": {"SearchResult": {"File": [{"EndTime": {"day": 6, "hour": 9, "min": 55, "mon": 1, "sec": 6, "year": 2021}, "StartTime": {"day": 6, "hour": 9, "min": 53, "mon": 1, "sec": 58, "year": 2021}, "frameRate": 0, "height": 0, "name": "Mp4Record/2021-01-06/RecM01_20210106_095358_095506_6D28818_228E1EF.mp4", "size": 86233711, "type": "main", "width": 0}], "EndTime": {"day": 6, "hour": 9, "min": 55, "mon": 1, "sec": 6, "year": 2021}}
```

Note: If there is a "/" character in the returned name, it needs to be converted to "%20" and then filled in the playback url.

Example:

rtmp://192.168.0.123/vod/**Mp4Record%202021-01-06%20RecM01\_20210106\_095358\_095506\_6D28818\_228E1EF.mp4?**  
&channel=0&stream=0&user=admin&password=111111

nvr playback url:

http:// (ip address)/flv?  
port=1935&app=bcs&stream=playback.bcs&channel=0&type=0&start=(PlaybackTime)&seek=0&user=(user name)&password=(user password)

1. Open the Google Advanced REST client, input

http:// (ip address) /cgi-bin/api.cgi?cmd=Search&rs= (any combination of numbers and letters) &user= (user name) &password= (user password) in

## Request;

Advanced Rest Client [Unnamed] Save Open

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Saved

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Donate

http://192.168.0.123/cgi-bin/api.cgi?cmd=Search&rs=000000&user=admin&password=111111

☐ GET ☒ POST ☐ PUT ☐ PATCH ☐ DELETE ☐ HEAD ☐ OPTIONS ☐ Other

Raw Form Headers

Raw Form Files (0) Payload

Encode payload Decode payload

```
[
  {
    "cmd": "Search",
    "param": {
      "Search": {
        "channel": 0,
        "onlyStatus": 0,
        "streamType": "main",
        "StartTime": {
          "year": 2021,
          "mon": 1,
          "day": 0,

```

2. Choose Post as method and type the below codes in Raw payload: (Change the "year", "mon", "day" to the date you want.)

```
[
{
  "cmd": "Search",
  "param": {
    "Search": {
      "channel": 0,
      "onlyStatus": 0,
      "streamType": "main",
      "StartTime": {
        "year": 2021,
        "mon": 1,
        "day": 6,
        "hour": 1,
        "min": 1,
        "sec": 1
      },
      "EndTime": {
        "year": 2021,
        "mon": 1,
        "day": 6,
        "hour": 23,
        "min": 59,
        "sec": 59
      }
    }
  }
}
]
```

http://192.168.0.123/cgi-bin/api.cgi?cmd=Search&rs=000000&user=admin&password=111111

☐ GET
 ☒ POST
 ☐ PUT
 ☐ PATCH
 ☐ DELETE
 ☐ HEAD
 ☐ OPTIONS
 ☐ Other

Raw Form Headers

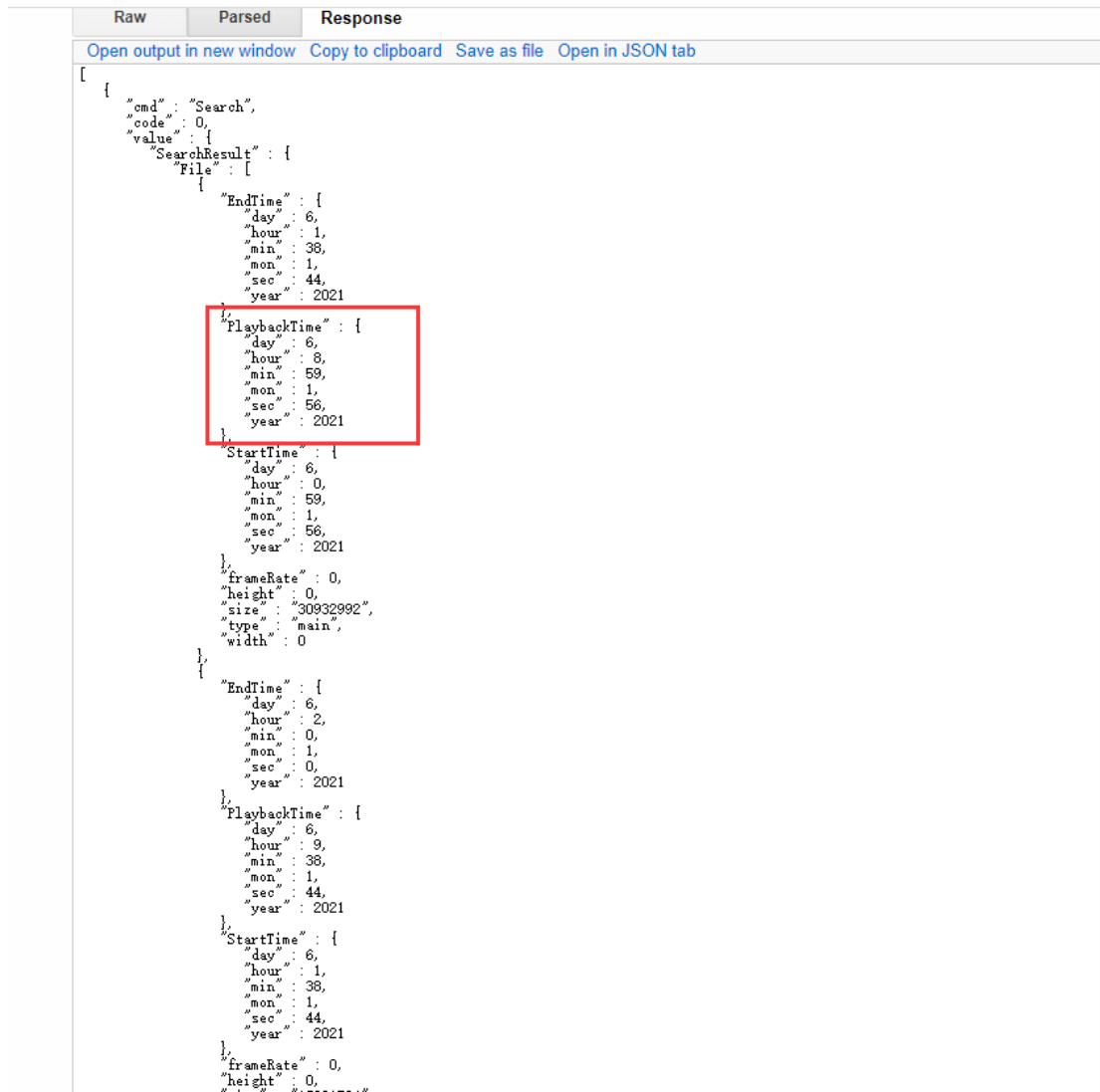
Raw Form Files (0) Payload

Encode payload Decode payload

```
[
  {
    "cmd": "Search",
    "param": {
      "Search": {
        "channel": 0,
        "onlyStatus": 0,
        "streamType": "main",
        "StartTime": {
          "year": 2021,
          "mon": 1,
          "day": 6,
          "hour": 1,
          "min": 1,
          "sec": 1
        },
        "EndTime": {
          "year": 2021,
          "mon": 1,
          "day": 6,
          "hour": 23,
          "min": 59,
          "sec": 59
        }
      }
    }
  }
]
```

application/x-www-form-urlencoded ▼ Set "Content-Type" header to overwrite this value.

- Click SEND and the name of the playback time will show in below. Copy and Paste the Playback time in " http:// (ip address)/flv? port=1935&app=bcs&stream=playback.bcs&channel=0&type=0&start=(PlaybackTime)&seek=0&user=(user name)&password=(user password) " and play the recordings in JWplayer.



Example:

<http://192.168.0.206/flv?>

[port=1935&app=bcs&stream=playback.bcs&channel=0&type=1&start=20210106085956](http://192.168.0.206/flv?port=1935&app=bcs&stream=playback.bcs&channel=0&type=1&start=20210106085956)

[&seek=827&user=admin&password=xxxx](http://192.168.0.206/flv?port=1935&app=bcs&stream=playback.bcs&channel=0&type=1&start=20210106085956&seek=827&user=admin&password=xxxx)

## 2.Snap URL

[http://\(ip address\)/cgi-bin/api.cgi?cmd=Snap&channel=\(channel id\)&rs=\(any combination of numbers and letters\)&user=\(user name\)&password=\(user password\)](http://(ip address)/cgi-bin/api.cgi?cmd=Snap&channel=(channel id)&rs=(any combination of numbers and letters)&user=(user name)&password=(user password))

If you need to specify the width and height of the snapshot, please include the width and



height parameters in the url (cannot be greater than the width and height of the main stream)

`http://(ip address)/cgi-bin/api.cgi?cmd=Snap&channel=(channel id)&width=(Picture width)&height=(Picture height)&rs=(any combination of numbers and letters)&user=(user name)&password=(user password)`

**Note: The “channel id” starts from 0**

**example:**

1. Snap a picture of the ipc device

`http://192.168.123.145/cgi-bin/api.cgi?  
cmd=Snap&channel=0&width=640&height=360&rs=000000&user=admin&password=xxx  
x`

2. Snap a picture of the third channel of the nvr device

`http://192.168.0.206/cgi-bin/api.cgi?  
cmd=Snap&channel=2&width=640&height=360&rs=0000010&user=admin&password=xx  
xx`

## 4. Get motion detection state URL

`http://(ip address)/api.cgi?cmd=GetMdState&channel=(channel id)&user=(user name)&password=(user pwd)`

**Note: The “channel id” starts from 0**

**example**

`http://192.168.0.206/api.cgi?  
cmd=GetMdState&channel=0&user=admin&password=xxxx`