ZowieTek API v1.12 Documentation

This document outlines the commands that are available to all Zowietek devices, allowing users to remotely interact with devices to automate and script control.

The API mainly uses POST commands to allow users to set parameters of Zowietek devices and view current parameter settings.

Please ensure syntax and values are valid to ensure proper operation of Zowietek device.

The meaning of the status code of the return parameter is as follows.

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API Terms of Use

Effective Date: [2024.1.1]

Welcome to the API services provided by Zowietek (hereinafter referred to as "we" or "our company"). Before using this API, please carefully read and agree to the following terms and conditions (hereinafter referred to as "Terms").

1. Acceptance of Terms

1.1 By accessing or using this API, you agree to be bound by these Terms. If you do not agree to all or part of these Terms, please do not use this API.

1.2 We reserve the right to modify these Terms at any time. The modified Terms will take effect immediately upon being posted on our website. Your continued use of this API constitutes your acceptance of the modified Terms.

2. API Usage

2.1 We grant you a limited, non-exclusive, non-transferable, revocable license to access and use this API in accordance with these Terms.

2.2 You agree to use this API only for lawful purposes and to comply with all applicable laws, regulations, and these Terms.

2.3 You shall not:

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- Rent, lease, lend, sell, distribute, or sublicense this API in any manner.
- Use this API to develop any products or services that compete with this API.
- Use this API for any illegal, fraudulent, defamatory, harassing, or otherwise inappropriate activities.
- Interfere with or disrupt this API or its related servers or networks in any way.

3. Intellectual Property

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3.2 You may not use any of our trademarks, service marks, trade dress, or other proprietary information without our express written permission.

4. Disclaimer

4.1 This API is provided "as is" without any express or implied warranties, including but not limited to warranties of merchantability, fitness for a particular purpose, and non-infringement.

4.2 We do not guarantee that this API will be uninterrupted, timely, secure, or error-free.

4.3 Your use of this API is at your own risk.

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6.2 Upon termination, you must immediately cease using this API and destroy all materials obtained from it.

7.API Change

7.1 If a change results in API incompatibility or impacts existing functionality，we shall not be held liable for any direct or indirect losses arising from such changes.

7.2 We reserve the right to modify, suspend, or terminate the API service at any time. We shall not be liable for any losses (including but not limited to data loss, business interruption, or loss of profits) caused by API changes, service interruptions, or termination.

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8.2 If any provision of these Terms is found to be invalid or unenforceable, that provision shall be severed or modified to the extent necessary to make it enforceable, without affecting the remaining provisions.

8.3 These Terms shall be governed by and construed in accordance with the laws of the People's Republic of China.

9. Contact Us

If you have any questions about these Terms or this API, please contact us at:

Zowietek Electronics, Ltd.

Support: support@zowietek.com

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1. status

Value	Description
000000	The modification is successful

Value	Description
00002	Program is not ready
00003	Missing required parameters
00004	Product not supported
00005	Switch opening failed
00006	Switch not open
00007	Enable not open
00008	Verification code error
00009	The operation is too fast, please wait
00010	Restarting, please wait
00011	Parameter out of range
50001	NDI activation failed
50002	NDI has been activated and does not need to be activated again
60001	Stream URL already exists
60002	Failed to start streaming
60003	Failed to close streaming
60004	Invalid URL
60005	Stream protocol is not supported
60006	protocol mismatch
60007	The stream is open and needs to be closed before operation
60008	Invalid IP
60009	Invalid port
60010	Protocol selectId mismatch
60011	The number of streams reaches the maximum value
60012	Push type is not supported
60013	Invalid index
70001	Failed to connect to WiFi
70002	Wrong IP address
70003	IP address is occupied

Value	Description
70004	The data is the same and no modification is required
70005	Password length must be more than eight characters
70006	Account cannot be empty
70007	HTTP port is occupied
70008	RTMP port is occupied
70009	RTSP port is occupied
70010	VISCA TCP port is occupied
70011	VISCA UDP port is occupied
70012	WebSocket port is occupied
70013	RTP port is occupied
70014	Onvif port is occupied
70015	Onvif soap port is occupied
70016	No WiFi module
80001	User not found
80002	User already exists
80003	User is not logged in
80004	Non-admin account
80005	Wrong password
80006	File format error
80007	Upgrading firmware is illegal
80008	Log saving was not turned off before clearing the logs.
80009	Log reading failed
90001	Please plug in the signal source before modifying the audio configuration
100001	disk full
100002	Invalid storage medium
100003	Photo format is wrong
100004	Photo format is wrong
100005	Photo format is wrong

Value	Description
100006	Uninstall failed
100007	Disk not mounted
100008	Mount failed
100009	NAS service is busy
100010	Disk information has reached the maximum limit
100011	There is an open NAS device, please close it first
100012	Modification is not allowed when open
100013	NAS is not open
100014	Format failed
100015	Storage device is occupied
110001	The task has been started and cannot be modified
110002	Invalid index
110003	Task name already exists
110004	The mission has started. cannot be deleted
110005	Task startup failed
110006	Task exceeds maximum limit
110007	Recording in progress and cannot be modified
110008	Operating too fast
120001	Maximum value reached
120003	Startup failed
120004	Close failed
120005	The video module is not started and the layout cannot be started
130001	No signal source
130002	Not allowed to change output resolution
130003	Quality out of range
130004	Output loopout switching mode failed
140001	Decoded URL already exists
140002	Decoding address is full

Value	Description
140003	Invalid decoding index
140004	Decoding type is not supported
140005	Please close it before operating
140006	Decoding startup failed

2. rsp

rsp is the explanation of status code. Different values will be displayed according to the interface and status code. When an error occurs, the meaning of each status code can be obtained through the value of rsp.

API Terms of Use

1. Input/Output
    - Input signal detection
    - Output information settings
    - Get output information
2. PTZ camera control for ZowieBox
    - Get configuration information
    - Set configuration information
3. PTZ control
    - Camera pans left(one step)
    - Camera pans left(continuous)
    - Camera pan right(one step)
    - Camera pan right(continuous)
    - Camera tilta up(one step)
    - Camera tilts up (continuous)
    - Camera tilts down(one step)
    - Camera tilts down(continuous)
    - Specify horizontal position
    - Specify vertical position
    - Get focus mode
    - Set focus mode
    - Get autofocus sensitivity
    - Set autofocus sensitivity
    - Get focus area
    - Set focus area
    - Get focus speed
    - Set focus speed
    - Get AF Lock status
    - Set AF Lock status
    - Get digital zoom magnification
    - Set digital zoom magnification
    - Get zoom speed
    - Set zoom speed
    - Trigger one-push focus
    - Focus Far (one step)
    - Focus Near (one step)
    - Focus Far (Continuous)

- Focus Near (Continuous)
- Set Presets
- Call Presets
- Delete Presets
- Delete Presets

4. Encoding
   - Get encoding parameters
   - Modify encoding parameters
5. Decoding
   - Add decoding URL
   - Get decoding information
   - Delete decoding URL
   - Modify decoding information
   - Switch WLAN Decoding
   - Get decoding status
6. NDI decoding
   - NDI find
   - Get NDI source
   - Enable NDI decoding
   - Disable NDI decoding
   - Getting NDI group information
   - Setting the NDI group
7. NDI
   - Active NDI
   - Get saved authorization code
   - Get NDI configuration parameters
   - Set NDI configuration parameters
   - NDI switch
8. Audio
   - Get audio configuration information
   - Set audio configuration information
   - Audio switch
9. Streaming
   - Publish stream information
   - Get stream information
   - Start/stop streaming
   - Delete stream information
   - Modify stream display order
   - Turn On/Off SRT Listener mode
   - Modify SRT Listener mode parameters
   - Add SRT Caller/Rendezvous Mode
   - Modify SRT Caller/Rendezvous Mode
10. AP
    - Get AP configuration information
    - Modify AP configuration information
    - AP switch
11. LAN
    - Get LAN data
    - Modify LAN configuration information
    - Check LAN connectivity
    - Detecting connectivity with the Internet
    - Get display IP
12. WIFI

- WiFi switch
- Get WiFi list
- Get wifi connection information/status
- Connect to WiFi

13. Port
    - Get port information
    - Set port information
14. mDNS
    - Get mDNS information
    - Set mDNS information
15. User Management
    - Obtain user information
    - Delete users
    - Add user
    - Modify user information
    - Log in
    - Log out
    - Verify account existence
16. Device time
    - Get device time
    - Set device time
17. Recording
    - Get storage device status
    - Get recording task list
    - Modify recording task information
    - Start/stop recording
    - Get the video file path
    - Delete video files
    - Playing video files
18 .Snapshot
    - Snapshot
    - Get the photo path
    - Delete Photo
19 . Tally
    - Get Tally parameters
    - Set Tally parameters
    - Turn on/off Tally
    - Get Tally color
20 . Restore and reboot
    - Reboot
    - Restore Factory
    - Standby
    - Exit standby
21. Image Settings
    - Get exposure setting data
    - Modify exposure setting data
    - Get aperture value
    - Set aperture value
    - Get color setting data
    - Modify color setting data
    - Getting image setting data
    - Modify image setting data
    - Get noise reduction setting data

- Modify noise reduction setting data
- Get image style data
- Modify image style data
- Get AE Lock status
- Set AE Lock status

22.Patient Case
- Create Patient Information
- Case Query

23.Pan/Tilt/Zoom/Focus Control
- Set the control protocol.
- Pan/Tilt Control
- Zoom Control
- Go Home
- Preset position settings
- Preset position recall
- Preset position deletion
- Focus mode settings
- Focus mode acquisition
- Focus control (continuous)

24. Temperature
- Get CPU temperature

25. UVC Control
- Get the absolute Pan/Tilt values
- Get the absolute Zoom values
- Set the absolute Pan/Tilt values
- Set the absolute Zoom values

26.NAS
- Add NAS Information
- Delete NAS Information
- Modify NAS information
- Mount NAS
- Unmount NAS
- Get NAS list

27. OSD
- Get OSD Canvas Information
- Add OSD Canvas
- Turn on/off OSD
- Add Image
- Get element information of specific canvas
- Delete OSD
- Modify element position

28. FAN
- Get Fan mode
- Set Fan mode

1. Input/Output

Input signal detection

Signal input detection can directly detect the resolution of the input signal and the sampling rate of the audio.

Device Supported: ZowieBox

http://x.x.x.x/video?option=getinfo&login_check_flag=1

Body(example):

```
{
  "group": "hdmi",
  "opt": "get_input_info"
}
```

Response(example):

```
{
  "status": "00000",
  "rsp": "succeed",
  "data": {
    "hdmi_signal": 1,
    "audio_signal": 48000,
    "width": 1920,
    "height": 1080,
    "framerate": 60.0,
    "desc": "1080p60"
  }
```

Parameter	Value	Description
hdmi_signal	0/1	0: no HDMI signal 1: HDMI signal detected
audio_signal	0/32000/44100/48000	0: no audio 32000: audio sample rate 44100: audio sample rate 48000: audio sample rate
width		signal resolution width
height		signal resolution height
framerate		signal frame rate
desc		The resolution displayed on the web page

Output information settings

Output information settings can set the output resolution, output loop-out mode, and output mute.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "hdmi",
  "opt": "set_output_info",
  "data": {
    "format": "2160p30",
    "audio_switch": 1,
    "loop_out_switch": 0
  }
}
```

Parameter	Value	Description
format	2160p30/2160p25/2160p24/1080p60/ 1080p50/1080p30/1080p25/1080p24/ 1080i60/1080i50/720p60/720p50	Output resolution
audio_switch	0/1	0:mute 1:unmute
loop_out_switch	0/1	Supported by ZowieBox 0:output 1:loop out

Response(example):

```
{
  "rsp": "succeed",
  "status": "00000"
}
```

Get output information

This interface can obtain information about the currently set output.

Device Supported: ZowieBox, ZowiePTZ, ZowieCam

http://x.x.x.x/video?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "hdmi",
    "opt": "get_output_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "switch": 1,
        "vo_chnid": 0,
        "disp_dev": {
            "selected_id": 1,
            "disp_dev_list": [
                "LCD",
                "HDMI",
                "SDI"
            ]
        },
        "format": "2160p30",
        "audio_switch": 1,
        "loop_out_switch": 0,
        "bufnum": 0,
        "auto_follow": 0
    }
}
```

Parameter	Value	Description
format	2160p30/2160p25/2160p24/1080p60/ 1080p50/1080p30/1080p25/1080p24/ 1080i60/1080i50/720p60/720p50	Output resolution
audio_switch	0/1	0:mute 1:unmute
loop_out_switch	0/1	Supported by ZowieBox 0:output 1:loop out

2. PTZ camera control for ZowieBox

Get configuration information

Get configuration information to get all the configuration information about how to control the camera.

Device Supported: ZowieBox

http://x.x.x.x/ptz?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt":"get_ptz_info"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "protocol": 1,
        "protocol_list": [
            {
                "index": 0,
                "lable": "AUTO"
            },
            {
                "index": 1,
                "lable": "VISCA over IP",
                "type": 0,
                "ip": "192.168.1.167",
                "port": 1259,
                "addr": 1,
                "addr_fix": 0
            },
            {
                "index": 2,
                "lable": "ONVIF",
                "ip": "192.168.1.10",
                "onvif_port": 1259,
                "soap_port": 1259
            },
            {
                "index": 3,
                "lable": "VISCA",
                "baudrate_id": 2,
                "addr": 1,
                "addr_fix": 0
            },
            {
```

```
                "index": 4,
                "lable": "PELOCO D",
                "baudrate_id": 2,
                "addr": 1
            },
            {
                "index": 5,
                "lable": "PELOCO P",
                "baudrate_id": 2,
                "addr": 0
            }
        ],
        "usb2serial": 0
    }
}
```


Parameter	Value	Description
protocol	0 to 5	The currently set protocol 0:auto;Can only be applied to ZowiePTZ 1:VISCA over IP 3:Visca 4:Peclo-D 5:Peclo-P
type	0/1	Transfer Protocol 0:TCP 1:UDP
ip	x.x.x.x	The IP of the controlled camera
port	1025 to 65535	Transmission port number
addr	1 to 7 0 to 255	Visca over IP/Visca:1 to 7 Peclo_D/P:0 to 255
addr_fix	0/1	Fixed address 0:On 1:Off
baudrate_id	0 to 4	0:2400 1:4800 2:9600 3:11920 4:38400
usb2serial	0/1	0:USB serial port detected 1:USB serial port not detected

Set configuration information

You can set configuration information about controlling the camera for camera control.

Device Supported: ZowieBox

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt":"set_ptz_info",
    "data":{
        "protocol":1,
        "type":1,
        "ip":"192.168.1.167",
        "baudrate_id":1,
        "port":1259,
        "addr":1,
        "addr_fix":0
    }
}
```

Parameter	Value	Description
protocol	1	0:auto;Can only be applied to ZowiePTZ 1:VISCA over I;Can only be applied to ZowieBox 3:Visca 4:Peclo-D 5:Peclo-P
type	0/1	Transfer Protocol,it takes effect when protocol is 1 0:TCP 1:UDP
ip	x.x.x.x	It takes effect when protocol is 1 The IP of the controlled camera
baudrate_id	0 to 4	It takes effect when protocol is 3 or 4 or 5 0:2400 1:4800 2:9600 3:11920 4:38400
port	1025 to 65535	It takes effect when protocol is 1 Transmission port number
addr	1 to 7 0 to 255	Visca over IP/Visca:1 to 7 Peclo_D/P:0 to 255

Parameter	Value	Description
addr_fix	0/1	Fixed address 0:On 1:Off

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

3. PTZ control

Camera pans left(one step)

Let the camera turn left one step according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":3
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera pans left(continuous)

Let the camera rotate continuously to the left according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":4
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera pan right(one step)

Let the camera turn right one step according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":1
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera pan right(continuous)

Let the camera rotate continuously to the right according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":2
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera tilta up(one step)

Let the camera turn to the up one step according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":7
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera tilts up (continuous)

Let the camera turn continuously to the up according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":8
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera tilts down(one step)

Let the camera turn to the down one step according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":9
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Camera tilts down(continuous)

Let the camera turn continuously to the down according to video

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":10
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Specify horizontal position

Let the camera rotate to the specified horizontal position

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid": 5,
    "data":
    {
        "value": 8000
    }
}
```

Parameter	Value	Description
value	0 to 8000	Horizontal movement range

Response(example):

```
{   "status": "00000",
    "rsp": "succeed"
}
```

Specify vertical position

Let the camera rotate to the specified vertical position

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid": 11,
    "data":
    {
        "value": 1152
    }
}
```

Parameter	Value	Description
value	0 to 2100	Vertical moving range

Response(example):

```
{  "status": "00000",
    "rsp": "succeed"
}
```

Get focus mode

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "get_focusmode"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "selected_id": 0,
        "focusmode_list": [
            "AUTO",
            "MANUAL",
            "ONE_PUSH"
        ]
    }
}
```

Parameter	Value	Description
selected_id	0/1/2	0: AUTO 1: MANUAL 2: ONE_PUSH

Set focus mode

Device Supported: ZowiePTZ, ZowieCAM

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "set_focus_mode",
    "data": {
        "focusmode": 0
    }
}
```

Parameter	Value	Description
focusmode	0/1/2	0: AUTO 1: MANUAL 2: ONE_PUSH

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get autofocus sensitivity

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "get_sensitivity"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "selected_id": 1,
        "sensitivity_list": [
            "high",
            "medium",
            "low",
            "ultra low"
        ]
    }
}
```

Parameter	Value	Description
selected_id	0/1/2/3	0: high 1: medium 2: low 3: ultra low

Set autofocus sensitivity

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "set_sensitivity",
    "data": {
        "selected_id": 0
    }
}
```

Parameter	Value	Description
selected_id	0/1/2/3	0: high 1: medium 2: low 3: ultra low

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get focus area

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "get_focus_zone"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "selected_id": 1,
        "zone_list": [
            "top",
            "center",
            "bottom",
            "left",
            "right",
            "all",
            "point"
        ],
        "point": {
            "x_percent": 500,
            "y_percent": 500,
            "d_pixel": 100
        }
    }
}
```

Parameter	Value	Description
selected_id	0 to 6	0: top 1: center 2: bottom 3: left 4: right 5: all 6: point
point		Specific coordinates of the focus area

Set focus area

Device Supported: ZowiePTZ, ZowieCAM

http://192.168.1.132/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "set_focus_zone",
    "data": {
        "selected_id": 0,
        "point": {
            "x_percent": 500,
            "y_percent": 500,
            "d_pixel": 20
        }
    }
}
```

Parameter	Value	Description
selected_id	0 to 6	0: top 1: center 2: bottom 3: left 4: right 5: all 6: point
point		Specific coordinates when the focus area is a point

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get focus speed

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "get_focus_speed"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "focus": 3
    }
}
```

Parameter	Value	Description
focus	1 to 10	Current focus speed

Set focus speed

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "set_focus_speed",
    "data": {
        "focus": 5,
        "save_flag":1
    }
}
```

Parameter	Value	Description
focus	1 to 10	Set focus speed
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get AF Lock status

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "get_af_lock_status"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "af_lock_status": 0
    }
}
```

Parameter	Value	Description
af_lock_status	0/1	0: off 1: on

Set AF Lock status

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "set_af_lock_status",
    "data": {
        "af_lock_status": 1
    }
}
```

Parameter	Value	Description
af_lock_status	0/1	0: off 1: on

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get digital zoom magnification

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/video?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "digital_zoom"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "digital_zoom": 100,
    "digital_zoom_enable": 0,
    "digital_zoom_max": 1200
}
```

Parameter	Value	Description
digital_zoom	100 to 1200	Digital zoom magnification
digital_zoom_enable	0/1	0: off 1: on
digital_zoom_max		Digital zoom maximum magnification

Set digital zoom magnification

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/video?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "digital_zoom",
    "digital_zoom": 110,
    "digital_zoom_enable": 1,
    "digital_zoom_max": 400
}
```

Parameter	Value	Description
digital_zoom	100 to 1200	Digital zoom magnification
digital_zoom_enable	0/1	0: off 1: on
digital_zoom_max		Digital zoom maximum magnification

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Get zoom speed

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "get_zoom_speed"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "zoom": 5
    }
}
```

Parameter	Value	Description
zoom	1 to 10	zoom speed

Set zoom speed

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "set_zoom_speed",
    "data": {
        "zoom": 9 ,
        "save_flag":1
    }
}
```

Parameter	Value	Description
zoom	1 to 10	zoom speed
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Trigger one-push focus

This interface is only effective when the focus mode is one-push focus.

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":25,
    "point": {
            "x_percent": 500,
            "y_percent": 500,
            "d_pixel": 20
    }
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Focus Far (one step)

This interface is only effective in manual focus mode

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":21
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Focus Near (one step)

This interface is only effective in manual focus mode.

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":19
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Focus Far (Continuous)

This interface is only effective in manual focus mode

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":22
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Focus Near (Continuous)

This interface is only effective in manual focus mode.

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":20
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Set Presets

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":26,
    "data":{
        "id": 1,
        "desc": "20aa"
    }
}
```

Parameter	Value	Description
id	0 to 254	preset id
desc		preset name

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Call Presets

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":29,
    "data":{
        "id":1
    }
}
```

Parameter	Value	Description
id	0 to 254	preset id

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Delete Presets

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":29,
    "data":{
        "id":1
    }
}
```

Parameter	Value	Description
id	0 to 254	preset id

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Delete Presets

Device Supported: ZowiePTZ

http://x.x.x.x/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt": "control",
    "opid":28,
    "data":{
        "id":10,
        "desc": "update10"
    }
}
```

Parameter	Value	Description
id	0 to 254	preset id

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

4. Encoding

Get encoding parameters

Get encoding parameters can get all set encoding parameters.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "all"
}
```

Response(example):


```
{
    "status": "00000",
    "rsp": "succeed",
    "all": {
        "resolution_list": [
            {
                "desc": "3840*2160",
                "width": 3840,
                "height": 2160
            },
            {
                "desc": "2560*1440",
                "width": 2560,
                "height": 1440
            },
            {
                "desc": "1920*1080",
                "width": 1920,
                "height": 1080
            },
            {
                "desc": "1280*720",
                "width": 1280,
                "height": 720
            },
            {
                "desc": "1080*1920",
                "width": 1080,
                "height": 1920
            },
            {
                "desc": "720*1280",
                "width": 720,
                "height": 1280
            },
```

```
            {
                "desc": "640*360",
                "width": 640,
                "height": 360
            },
            {
                "desc": "320*180",
                "width": 320,
                "height": 180
            }
        ],
        "output_list": [
            "2160p30",
            "2160p29.97",
            "2160p25",
            "2160p24",
            "1080p60",
            "1080p59.94",
            "1080p50",
            "1080p30",
            "1080i60",
            "1080i59.94",
            "1080p29.97",
            "1080p25",
            "1080p24",
            "1080i50",
            "720p60",
            "720p59.94",
            "720p50"
        ],
        "vi": [
            {
                "vi_devid": 0,
                "vi_chnid": [
                    0,
                    1,
                    2,
                    3
                ],
                "width": 1920,
                "height": 1080,
                "framerate": 60,
                "transform": 0,
                "stream_id": 0,
                "desc": "main + display + snapshot"
            },
            {
                "vi_devid": 1,
                "vi_chnid": [
                    0,
                    1,
                    2,
                    3
```

```
                ],
                "width": 640,
                "height": 360,
                "framerate": 60,
                "transform": 0,
                "stream_id": 1,
                "desc": "sub + auto focus"
            }
        ],
        "venc": [
            {
                "followVI": 0,
                "venc_chnid": 0,
                "codec": {
                    "selected_id": 0,
                    "codec_list": [
                        "H.264",
                        "H.265",
                        "MJPEG"
                    ]
                },
                "profile": {
                    "selected_id": 0,
                    "profile_list": [
                        "BP",
                        "MP",
                        "HP"
                    ]
                },
                "ratecontrol": {
                    "selected_id": 0,
                    "mode_list": [
                        "CBR",
                        "VBR"
                    ]
                },
                "bitrate": 5000000,
                "ndi_bitrate_pre": 50,
                "width": 1920,
                "height": 1080,
                "framerate": 30,
                "keyinterval": 50,
                "gop": 50,
                "MaxQP": 45,
                "MinQP": 20,
                "keyMinQP": 10,
                "QPlevel": 1,
                "rotate": {
                    "selected_id": 1,
                    "rotate_list": [
                        "0",
                        "90",
                        "180",
```

```
                    "270"
                ]
            },
            "stream_id": 0,
            "desc": "main"
        },
        {
            "followVI": 0,
            "venc_chnid": 1,
            "codec": {
                "selected_id": 0,
                "codec_list": [
                    "H.264",
                    "H.265",
                    "MJPEG"
                ]
            },
            "profile": {
                "selected_id": 0,
                "profile_list": [
                    "BP",
                    "MP",
                    "HP"
                ]
            },
            "ratecontrol": {
                "selected_id": 0,
                "mode_list": [
                    "CBR",
                    "VBR"
                ]
            },
            "bitrate": 2000000,
            "ndi_bitrate_pre": 100,
            "width": 640,
            "height": 360,
            "framerate": 30,
            "keyinterval": 60,
            "gop": 60,
            "MaxQP": 45,
            "MinQP": 20,
            "keyMinQP": 10,
            "QPlevel": 1,
            "rotate": {
                "selected_id": 0,
                "rotate_list": [
                    "0",
                    "90",
                    "180",
                    "270"
                ]
            },
            "stream_id": 1,
```

```
                "desc": "sub"
            },
            {
                "followVI": 0,
                "venc_chnid": 2,
                "codec": {
                    "selected_id": 2,
                    "codec_list": [
                        "H.264",
                        "H.265",
                        "MJPEG"
                    ]
                },
                "profile": {
                    "selected_id": 1,
                    "profile_list": [
                        "BP",
                        "MP",
                        "HP"
                    ]
                },
                "ratecontrol": {
                    "selected_id": 0,
                    "mode_list": [
                        "CBR",
                        "VBR"
                    ]
                },
                "bitrate": 18000000,
                "ndi_bitrate_pre": 100,
                "width": 1920,
                "height": 1080,
                "framerate": 60,
                "keyinterval": 60,
                "gop": 60,
                "MaxQP": 45,
                "MinQP": 20,
                "keyMinQP": 10,
                "QPlevel": 10,
                "rotate": {
                    "selected_id": 0,
                    "rotate_list": [
                        "0",
                        "90",
                        "180",
                        "270"
                    ]
                },
                "stream_id": 2,
                "desc": "snapshot"
            }
        ],
        "vdec": [
```

```
            {
                "vdec_chnid": 0
            }
        ],
        "vo": [
            {
                "switch": 1,
                "vo_chnid": 0,
                "disp_dev": {
                    "selected_id": 1,
                    "disp_dev_list": [
                        "LCD",
                        "HDMI",
                        "SDI"
                    ]
                },
                "format": "2160p30",
                "audio_switch": 1,
                "loop_out_switch": 1,
                "bufnum": 0,
                "auto_follow": 0
            }
        ]
    }
}
```

Parameter	Value	Description
codec.selected_id	0/1	0:264 1:265
profile.selected_id	0/1/2	0:BP 1:MP 2:HP
ratecontrol.selected_id	0/1	0:CBR 1:VBR
bitrate	64 to 51200	Main stream supports 64 to 51200 Sub stream supports 64 to 25600
ndi_bitrate_pre	50 to 125	When the device is in NDI mode, set the NDI percentage code rate
width	3840/1920/1280/720	Resolution width, please keep it corresponding to height
height	2160/1080/1980/1280	Resolution height, please keep it corresponding to width
framerate	60/50/30/25/15	Encoding frame rate
keyinterval	20 to 240	I frame interval

Parameter	Value	Description
rotate.selected_id	0/1/2/3	clockwise rotation angle 0:0 1:90 2:180 3:270
stream_id	0/1	0:main stream 1:sub stream

Modify encoding parameters

Modifying encoding parameters can modify various data such as encoding resolution, frame rate, code rate, etc.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "venc",
    "venc": [
            {
                "venc_chnid": 0,
                "codec": {
                    "selected_id": 0,
                    "codec_list": [
                        "H.264",
                        "H.265",
                        "MJPEG"
                    ]
                },
                "profile": {
                    "selected_id": 0,
                    "profile_list": [
                        "BP",
                        "MP",
                        "HP"
                    ]
                },
                "ratecontrol": {
                    "selected_id": 0,
                    "mode_list": [
                        "CBR",
                        "VBR"
                    ]
                },
                "bitrate": 5000000,
```

```
            "ndi_bitrate_pre": 50,
            "width": 1920,
            "height": 1080,
            "framerate": 30,
            "gop": 60,
            "MaxQP": 69,
            "MinQP": 40,
            "keyinterval": 60,
            "keyMinQP": 10,
            "QPlevel": 1,
            "rotate": {
                "selected_id": 0,
                "rotate_list": [
                    "0",
                    "90",
                    "180",
                    "270"
                ]
            },
            "stream_id": 0,
            "desc": "main"
        },
        {
            "venc_chnid": 1,
            "codec": {
                "selected_id": 0,
                "codec_list": [
                    "H.264",
                    "H.265",
                    "MJPEG"
                ]
            },
            "profile": {
                "selected_id": 0,
                "profile_list": [
                    "BP",
                    "MP",
                    "HP"
                ]
            },
            "ratecontrol": {
                "selected_id": 0,
                "mode_list": [
                    "CBR",
                    "VBR"
                ]
            },
            "bitrate": 2000000,
            "ndi_bitrate_pre": 100,
            "width": 1280,
            "height": 720,
            "framerate": 30,
            "gop": 60,
```

```
            "MaxQP": 69,
            "MinQP": 20,
            "keyinterval": 60,
            "keyMinQP": 10,
            "QPlevel": 1,
            "rotate": {
                "selected_id": 0,
                "rotate_list": [
                    "0",
                    "90",
                    "180",
                    "270"
                ]
            },
            "stream_id": 1,
            "desc": "sub"
        },
        {
            "venc_chnid": 2,
            "codec": {
                "selected_id": 2,
                "codec_list": [
                    "H.264",
                    "H.265",
                    "MJPEG"
                ]
            },
            "profile": {
                "selected_id": 0,
                "profile_list": [
                    "BP",
                    "MP",
                    "HP"
                ]
            },
            "ratecontrol": {
                "selected_id": 0,
                "mode_list": [
                    "CBR",
                    "VBR"
                ]
            },
            "bitrate": 8000000,
            "ndi_bitrate_pre": 100,
            "width": 3840,
            "height": 2160,
            "framerate": 1,
            "gop": 60,
            "MaxQP": 69,
            "MinQP": 40,
            "keyinterval": 60,
            "keyMinQP": 10,
            "QPlevel": 1,
```

```
                "rotate": {
                    "selected_id": 0,
                    "rotate_list": [
                        "0",
                        "90",
                        "180",
                        "270"
                    ]
                },
                "stream_id": 2,
                "desc": "snapshot"
            }
        ]
}
```

Parameter	Value	Description
codec.selected_id	0/1	0:264 1:265
profile.selected_id	0/1/2	0:BP 1:MP 2:HP
ratecontrol.selected_id	0/1	0:CBR 1:VBR
bitrate	64 to 51200	Main stream supports 64 to 51200 Sub stream supports 64 to 25600
ndi_bitrate_pre	50 to 125	When the device is in NDI mode, set the NDI percentage code rate
width	3840/1920/1280/720	Resolution width, please keep it corresponding to height
height	2160/1080/1980/1280	Resolution height, please keep it corresponding to weight
framerate	60/50/30/25/15	Encoding frame rate
keyinterval	20 to 240	I frame interval
rotate.selected_id	0/1/2/3	clockwise rotation angle 0:0 1:90 2:180 3:270
stream_id	0/1	0:main stream 1:sub stream

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

5. Decoding

Add decoding URL

Enter the decoding URL of the RTSP, SRT, or RTMP protocol and use this URL for decoding.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
"group": "streamplay",
"opt": "streamplay_add",
"data":{
    "switch":0,
    "name": "test",
    "streamtype":0,
    "url": "rtsp://192.168.1.164/live/av012"
}
}
```

Parameter	Value	Description
switch	0/1	0:off 1:on
name		URL alias
streamtype	0/1	0:local 1:live Display streams in different categories based on different streamtypes
url		Decoding URL

Response(example):

```
{
    "rsp": "success",
    "status": "00000"
}
```

Get decoding information

Get information of state, index, decoding URLs and etc.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "streamplay",
    "opt": "streamplay_get_all"
}
```

Response(example):


```
{
    "rsp": "succeed",
    "status": "00000",
    "streamplay": [
        {
            "index": 0,
            "switch": 0,
            "name": "111",
            "streamtype": 0,
            "url": "rtsp://192.168.1.205/1",
            "streamplay_status": 0,
            "bandwidth": 0,
            "framerate": 0.0,
            "width": 0,
            "height": 0
        },
        {
            "index": 1,
            "switch": 0,
            "name": "22",
            "streamtype": 1,
            "url": "rtmp://live.livevbond.com/test4/zowietek?auth_key=1629073289-0-0-
d9bb438e37df25c2a008c739cfaacc9c",
            "streamplay_status": 0,
            "bandwidth": 0,
            "framerate": 0.0,
            "width": 0,
            "height": 0
        },
        {
            "index": 2,
            "switch": 0,
            "name": "lalala",
            "streamtype": 0,
            "url": "rtsp://192.168.1.164/live/av012",
            "streamplay_status": 0,
```

```
            "bandwidth": 0,
            "framerate": 0.0,
            "width": 0,
            "height": 0
        }
    ]
}
```

Parameter	Value	Description
index		Open/close decoding URL or delete decoding URL based on index
switch	0/1	0:off 1:on
name		URL alias
streamtype		0:local 1:live Display streams in different categories based on different streamtypes
url		Decoding URL
streamplay_status	0 to 6	0:Not turned on 1:Pulling stream 2:Pulling stream stopped 3:Pulling stream (no video) 4:Pulling stream (video format unsupported) 5:Pulling stream (no audio) 6:Pulling stream (audio format unsupported)
bandwidth		Bitrate of decoding
framerate		Frame rate of decoding
width		Video width of decoding
height		Video height of decoding

Delete decoding URL

Remove the corresponding decoded URL.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
"group": "streamplay",
"opt": "streamplay_del",
"data":{
    "index":0
}
}
```

Parameter	Value	Description
index		The index of the decoding URL, which can be obtained using the API for getting decoding information

Response(example):

```
{
    "rsp": "success",
    "status": "00000"
}
```

Modify decoding information

Use this interface to modify the state, alias, URL, and other information of the decoding URL.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
"group": "streamplay",
"opt": "streamplay_modify",
"data":{
    "index":5,
    "switch":0,
    "name": "",
    "streamtype":0,
    "url": "rtsp://192.168.1.164/live/av012"
}
}
```

Parameter	Value	Description
index		The index of the decoding URL, which can be obtained using the API for getting all decoding URL information
switch	0/1	0:off 1:on

Parameter	Value	Description
name		URL alias
streamtype	0/1	0:local 1:live Display streams in different categories based on different streamtypes
url		Decoding URL

Response(example):

```
{
    "rsp": "success",
    "status": "00000"
}
```

Switch WLAN Decoding

Device Supported: ZowieBox，ZowieBoxSDI

http://xxx.xxx.xxx.xxx/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "streamplay",
    "opt": "streamplay_switch",
    "data": {
        "index": 0,
        "switch": 1
    }
}
```

Parameter	Value	Description
index	/	The index of the decoding URL, which can be obtained using the API for getting all decoding URL information
switch	0/1	0：off 1：on

Response(example):

```
{
    "rsp": "success",
    "status": "00000"
}
```

Get decoding status

Get whether decoding streaming is enabled.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "streamplay",
    "opt": "get_decoder_state"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "decoder_state": 0
    }
}
```

Parameter	Value	Description
decoder_state	0/1	0:No decoding streaming is enabled 1:With decoding streaming on

6. NDI decoding

NDI find

Search for all discoverable NDI sources currently on the LAN and use with the next interface to obtain NDI sources on the LAN.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "streamplay_ndi",
  "opt": "ndi_find"
}
```

Response(example):


```
{
    "rsp": "succeed!!!",
    "status": "00000"
}
```


Get NDI source

Obtain all searched NDI source information. Before using this interface to obtain NDI source, please use the previous NDI find interface to ensure that the obtained NDI source information is the latest.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=getinfo&login_check_flag=1

Body(example):


```
{
  "group": "streamplay_ndi",
  "opt": "ndi_get_all"
}
```


Response(example):


```
{
    "rsp": "succeed!!!",
    "status": "00000",
    "data": [
        {
            "index": 0,
            "name": "HD CAMERA (NDI HB HX,192.168.1.205)",
            "url": "192.168.1.205:5961",
            "streamplay_status": 0,
            "bandwidth": 0,
            "framerate": 0,
            "width": 0,
            "height": 0
        },
        {
            "index": 1,
            "name": "NDI_HX (NDI-901233)",
            "url": "192.168.1.233:5961",
            "streamplay_status": 0,
            "bandwidth": 0,
            "framerate": 0,
            "width": 0,
            "height": 0
        }

    ]
```

```
}
```

Parameter	Value	Description
index		NDI decoding index
name		NDI name
url		NDI URL
streamplay_status	0 to 6	0:Not turned on 1:Pulling stream 2:Pulling stream stopped 3:Pulling stream (no video) 4:Pulling stream (video format unsupported) 5:Pulling stream (no audio) 6:Pulling stream (audio format unsupported)
bandwidth		Bitrate of decoding
framerate		Frame rate of decoding
width		Video width of decoding
height		Video height of decoding

Enable NDI decoding

Open NDI decoding according to the name of the NDI source. It is recommended that only one decoding be enabled at the same time.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "streamplay_ndi",
  "opt": "ndi_recv",
  "data": {
    "ndi_name": "HD CAMERA (NDI HB HX,192.168.1.205)"
  }
}
```

Parameter	Value	Description
ndi_name		Please enter the name of the NDI source correctly to open the NDI decoding. Open up to one decoding streaming

Response(example):

```
{
    "rsp": "succeed!!!",
    "status": "00000"
}
```

Disable NDI decoding

Turn off the NDI decoding streaming.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "streamplay_ndi",
  "opt": "ndi_close"
}
```

Response(example):

```
{
    "rsp": "succeed!!!",
    "status": "00000"
}
```

Getting NDI group information

Query the group of NDI in the decoded state of zowieBox

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=getinfo&login_check_flag=1

Body(example):

```
{
  "group": "streamplay_ndi",
  "opt": "ndi_get_recv_config"
}
```

Response(example):

```
{
    "rsp": "succeed!!!",
    "status": "00000",
    "data": {
        "groups": "Public"
    }
}
```


Parameter	Value	Description
groups		The NDI group in ZowieBox decoding mode

Setting the NDI group

Setting the NDI group in decoder mode.

Device Supported: ZowieBox

http://x.x.x.x/streamplay?option=setinfo&login_check_flag=1

Body(example):


```
{
  "group": "streamplay_ndi",
  "opt": "ndi_set_recv_config",
  "data": {
    "groups": "Public"
  }
}
```


Parameter	Value	Description
groups		The NDI group in ZowieBox decoding mode

Response(example):


```
{
    "rsp": "succeed!!!",
    "status": "00000"
}
```


7. NDI

Active NDI

After NDI is authorized and activated, the device can use NDI-related functions, including NDI encoding and decoding.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ndi",
    "opt":"ndi_activate",
    "data":
    {
"license_key":"SW5OaGJtVnRPaUp2SW1sYWRIZHJaVVZsWlNCMGJHOWphWEp6alpDQXVkQ3dpYVNJaVpDSTZPRzFPTW1SQldIZElOMHA0UkdWUMVdObWgwTlcwNVRVOWhTR3BRYW5Ga04zWk5hRWR1V2taM2N6MHNJbTBpWTJFNklqQWlOVEtyujtyE2T21ZNE1qYzZPbVl4TUdNeE9pd2lVeUlpVGlJNk1USXdNQ0kzZlE9PQ=="
    }
}
```

Parameter	Value	Description
license_key		NDI activation code

Response(example):

```
{
    "rsp": "success",
    "status": "00000"
}
```

Get saved authorization code

Obtain the NDI activation code after successfully activating NDI.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ndi",
    "opt":"get_license_key"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "license_key": "",
        "factory_activate": 1
    }
}
```


Parameter	Value	Description
license_key		You can obtain the NDI activation code that activates NDI after leaving the factory.
factory_activate	0/1	0:Not activated before leaving the factory 1:Activated before shipment

Get NDI configuration parameters

Get NDI device name, group, multicast, quality and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=getinfo&login_check_flag=1

Body(example):


```
{
    "group": "ndi",
    "opt":"get_ndi_info"
}
```


Response(example):


```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "activate": 1,
        "switch": 0,
        "mode_id": 3,
        "machinename": "ZowieBox-12343",
        "groups": "Public",
        "multicast": {
            "ttl": 1,
            "enable": 0,
            "netmask": "255.255.0.0",
            "netprefix": "239.255.0.0"
        }
    }
```

```
}
```

Parameter	Value	Description
activate	0/1	0:inactivated 1:activated
switch	0/1	0:NDI off 1:NDI on
mode_id	1/2/3	1:NDI|HX 2:NDI|HX2 3:NDI|HX3
machinename		NDI device name
groups		NDI group
ttl	1 to 5	NDI multicast TTL
enable	0/1	0:Multicast off 1:Multicast on
netmask	x.x.x.x	Multicast IP
netprifix	x.x.x.x	Subnet Mask

Set NDI configuration parameters

Set NDI device name, group, multicast, quality and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ndi",
    "opt":"set_ndi_info",
    "data":
    {
        "switch":1,
        "mode_id":0,
        "machinename":"Zowietek-12343",
        "groups":"Public,A",
        "multicast":
        {
            "enable":1,
            "netmask": "255.255.0.0",
            "netprefix": "239.255.0.0",
            "ttl":1
```

```
        }
    }
}
```

Parameter	Value	Description
switch	0/1	0:NDI off 1:NDI on
mode_id	1/2/3	1:NDI|HX 2:NDI|HX2 3:NDI|HX3
machinename		NDI device name
groups		NDI group
ttl	1 to 5	NDI multicast TTL
enable	0/1	0:Multicast off 1:Multicast on
netmask	x.x.x.x	Multicast IP
netprifix	x.x.x.x	Subnet Mask

Response(example):

```
{
    "rsp": "succeed",
    "status": "000000"
}
```

NDI switch

NDI switch
Turn on or off NDI encoding function

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/video?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ndi",
    "opt":"ndi_switch",
    "data":
    {
        "switch":1
    }
}
```

Parameter	Value	Description
switch	0/1	0:NDI off 1:NDI on

Response(example):

```
{
    "rsp": "succeed",
    "status": "000000"
}
```

8. Audio

Get audio configuration information

Get all information about audio settings, including audio format, sampling rate, audio source, bit rate and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/audio?option=getinfo&login_check_flag=1

Body(example):

```
{

  "group": "all"

}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "all": {
        "switch": 1,
```

```
        "ai_devid": 0,
        "ai_chnid": [
            0,
            1,
            2
        ],
        "ai_type": {
            "selected_id": 2,
            "ai_type_list": [
                "LINE IN",
                "Internal MIC",
                "HDMI IN"
            ]
        },
        "adec_chnid": 0,
        "aenc_chnnum": 1,
        "stream_id": [
            0,
            1,
            2
        ],
        "aenc_chnid": [
            0,
            1
        ],
        "ao_devnum": 2,
        "ao_devid": [
            0,
            1
        ],
        "ao_chnid": [
            0,
            0
        ],
        "ao_devtype": [
            1,
            0
        ],
        "codec": {
            "selected_id": 0,
            "codec_list": [
                "AAC",
                "MP3",
                "G.711A"
            ]
        },
        "bitrate": {
            "selected_id": 4,
            "bitrate_list": [
                32000,
                48000,
                64000,
                96000,
```

```
                128000
            ]
        },
        "sample_rate": {
            "selected_id": 4,
            "sample_rate_list": [
                8000,
                16000,
                32000,
                44100,
                48000
            ]
        },
        "bit_width": 16,
        "channel": 2,
        "volume": 100
    }
}
```

Parameter	Value	Description
switch	0/1	0:Audio off 1:Audio on
ai_type.selected_id	0/1/2	0:Line In 1:Internal MIC;supported by ZowieCam,ZowiePTZ 2:HDMI IN;support by ZowieBox
codec.selected_id	0/1/2	0:AAC 1:MP3 2:G.711A;Not currently supported
bitrate.selected_id	0/1/2/3/4	Audio bitrate 0:32000 1:48000 2:64000 3:96000 4:128000
sample_rate.selected_id	0/1/2/3/4	Audio sample rate 0:8000 1:16000 2:32000 3:44100 4:48000
bit_width	16	Number of sampling digits, fixed value, please do not modify it
channel	1/2	Audio channel 1:Mono 2:Stereo

Parameter	Value	Description
volume	0 to 100	Sound volume

Set audio configuration information

Set all information about audio settings, including audio format, sampling rate, audio source, bit rate and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/audio?option=setinfo&login_check_flag=1

Body(example):


```
{
    "group": "audio",
    "audio": {
        "stream_id": 0,
        "ai_devid": 0,
        "ai_chnid": [
            0,
            1
        ],
        "adec_chnid": 0,
        "aenc_chnid": 0,
        "ai_type": {
            "selected_id": 0,
            "ai_type_list": [
                "LINE IN",
                "Internal MIC" ,
                "HDMI IN"
            ]
        },
        "ao_devid": 0,
        "ao_chnid": 0,
        "ao_devtype": {
            "selected_id": 1,
            "ao_devtype_list": [
                "LINEOUT",
                "HDMI"
            ]
        },
        "switch": 0,
        "codec": {
            "selected_id": 0,
            "codec_list": [
                "AAC",
                "MP3",
                "G.711A"
            ]
```

```
        },
        "bitrate": {
            "selected_id": 0,
            "bitrate_list": [
                32000,
                48000,
                64000,
                96000,
                128000
            ]
        },
        "sample_rate": {
            "selected_id": 3,
            "sample_rate_list": [
                8000,
                16000,
                32000,
                44100,
                48000
            ]
        },
        "bit_width": 16,
        "channel": 2,
        "volume": 2
    }
}
```


Parameter	Value	Description
ai_type.selected_id	0/1	0:Line In 1:Internal MIC ;Supported by ZowiePTZ and ZowieCam 2:HDMI ;suppported by ZowieBox
switch	0/1	0:Audio off 1:Audio on
codec.selected_id	0/1/2	0:AAC 1:MP3 2:G.711A;Not currently supported
bitrate.selected_id	0/1/2/3/4	Audio bitrate 0:32000 1:48000 2:64000 3:96000 4:128000

Parameter	Value	Description
sample_rate.selected_id	0/1/2/3/4	Audio sample rate 0:8000 1:16000 2:32000 3:44100 4:48000
bit_width	16	Number of sampling digits, fixed value, please do not modify it
channel	1/2	Audio channel 1:Mono 2:Stereo
volume	0 to 100	Sound volume

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Audio switch

Turn audio on or off.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/audio?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "audio_switch",
    "switch": 1
}
```

Parameter	Value	Description
switch	0/1	0:Audio off 1:Audio on

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

9. Streaming

Publish stream information

Publishing stream information saves stream information settings to the device.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "publish",
    "opt": "add_publish_info",
    "data": {
        "service":"custom",
        "protocol": "RTMP",
        "url": "rtmp://127.0.0.1/live/4",
        "key":"111",
        "switch": 1,
        "desc": "youtube",
        "name":"youtube"
    }
}
```

Parameter	Value	Description
protocol	RTMP/SRT/SRT_Caller/SRT_Rendezvous	stream protocol
url		stream url
key		stream key
desc		Make notes about the stream information
name		The name of the stream displayed on the web page

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```


Get stream information

Call this interface to obtain the stream index, push address, push name, push key and other information.
Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/stream?option=getinfo&login_check_flag=1

Body(example):


```
{
    "group": "getStreamStatus"
}
```


Response(example):


```
{
    "rsp": "succeed",
    "status": "00000",
    "publish_status": [
        {
            "switch": 0,
            "index": 1,
            "show_index": 1,
            "protocol": "RTMP",
            "venctype": 0,
            "aenctype": 0,
            "stream_id": 0,
            "url": "rtmp://127.0.0.1/live/4",
            "name": "youtube",
            "desc": "youtube",
            "key": "111",
            "status": 2,
            "bandwidth": 0
        },
        {
            "switch": 0,
            "index": 2,
            "show_index": 2,
            "protocol": "RTMP",
            "venctype": 0,
            "aenctype": 0,
            "stream_id": 0,
            "url": "rtmp://127.0.0.1/livekj/4",
            "name": "facebook",
            "desc": "facebook",
```

```
            "key": "111",
            "status": 2,
            "bandwidth": 0
        }
    ]
}
```

Parameter	Value	Description
switch	0/1	Push stream switch 0: off 1:on
index		Stream index, users need to operate the stream based on the index
show_index		The stream sequence displayed on the web page, the first five can be displayed in the shortcut operation of the preview interface
protocol	RTMP/SRT	stream protocol
url		stream url
key		stream key
desc		Make notes about the stream information
name		The name of the stream displayed on the web page
bandwidth		Bit rate when push is successful
status	1/2/3	Push status 1:online 2:offline 3:Failed to connect url

Start/stop streaming

Start/stop streaming based on the index of the stream.
Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "publish",
    "opt": "update_publish_switch",
    "data": {
        "index": 0,
        "switch": 1
    }
}
```

Parameter	Value	Description
index		Stream index, users need to operate the stream based on the index
switch	0/1	0:off 1:on

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Delete stream information

Delete the stream address already saved in the device based on the index.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "publish",
    "opt": "del_publish_info",
    "data": {
        "index": 1
    }
}
```

Parameter	Value	Description
index		Stream index, users need to operate the stream based on the index

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Modify stream display order

Modify the stream display order on the web page to ensure that the required stream can be displayed in the shortcut button of the preview interface.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "publish",
    "opt": "update_streams_index",
    "data": [
        {
            "index": 1,
            "show_index": 3
        },
        {
            "index": 2,
            "show_index": 2
        },
        {
            "index": 3,
            "show_index": 1
        }
    ]
}
```

Parameter	Value	Description
index		Stream index, users need to operate the stream based on the index The index can be obtained by querying the stream list command
show_index		The order in which you want it to appear on the web page

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Turn On/Off SRT Listener mode

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "set_srt_local_switch",
    "data":{
        "switch":0
    }
}
```

Parameter	Value	Description
switch	0/1	0:off 1:on

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Modify SRT Listener mode parameters

Please ensure that the SRT listener mode is off before modifying the parameters.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://192.168.1.117/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "set_srt_local_info",
    "data":{
        "port":9988,
        "streamId":"/playerA/avavav",
        "passphrase":"",
        "key_length":32,
        "letency_ms":1000
    }
}
```

Parameter	Value	Description
port	1025~65530	Please confirm that there are no port conflicts with other modes.
streamId	/	
passphrase	/	Length is 10~79 or empty
key_length	16/24/36	
letency_ms	/	Not Supported

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Add SRT Caller/Rendezvous Mode

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://192.168.1.117/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "publish",
    "opt": "add_publish_info",
    "data": {
        "service":"custom",
        "protocol": "SRT_Caller",
        "desc": "",
        "name":"1_2sls_srt",
        "hostname": "192.168.1.2",
        "port": 8080,
        "letency_ms": 500,
        "streamId": "uplive.sls.com/live/testAAAA",
        "passphrase": "",
        "key_length": 32
    }
}
```

Parameter	Value	Description
protocol	SRT_Caller/SRT_Rendezvous	stream protocol
hostname		IP

Parameter	Value	Description
port	1025-65530	Please confirm that there are no port conflicts with other modes.
letency_ms	200~1500	
streamId		
desc		Make notes about the stream information
passphrase		
key_length	32/24/16	
name		The name of the stream displayed on the web page

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Modify SRT Caller/Rendezvous Mode

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/stream?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "publish",
    "opt": "update_publish_info",
    "data": {
        "index": 8,
        "service":"custom",
        "protocol": "SRT_Caller",
        "desc": "推1.2sls",
        "name":"1_2sls_srt",
        "hostname": "192.168.1.2",
        "port": 8080,
        "letency_ms": 500,
        "streamId": "uplive.sls.com/live/testAAAA",
        "passphrase": "",
        "key_length": 32
    }
}
```

Parameter	Value	Description
protocol	SRT_Caller/SRT_Rendezvous	stream protocol
hostname		IP
port	1025-65530	Please confirm that there are no port conflicts with other modes.
letency_ms	200~1500	
streamId		
desc		Make notes about the stream information
passphrase		
key_length	32/24/16	
name		The name of the stream displayed on the web page

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

10. AP

Get AP configuration information

Use this interface to obtain the name, password and opening status of the AP.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
  "group": "ap",
  "opt":"get_ap_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "switch": 1,
        "ssid": "ZowieBox-12343",
        "psk": "12345678"
    }
}
```

Parameter	Value	Description
switch	0/1	0:off 1:on
ssid		AP service set identifier
psk		AP password

Modify AP configuration information

Modify the AP's SSID and password.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ap",
    "opt": "update_ap_info",
    "data": {
        "psk": "1234567891",
        "ssid": "BOX_0012"
    }
}
```

Parameter	Value	Description
switch	0/1	0:off 1:on
ssid		AP service set identifier
psk		AP password

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

AP switch

Turn AP on or off.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ap",
    "opt":"ap_switch",
    "data": {
        "switch": 1
    }
}
```

Parameter	Value	Description
switch	0/1	0:off 1:on

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

11. LAN

Get LAN data

Get all the information about LAN

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "lan",
    "opt":"get_lan_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "ip": "192.168.1.76",
        "gateway": "192.168.1.1",
        "dns1": "114.114.114.114",
        "dns2": "",
        "mac": "00:54:89:25:4f:01",
        "subnetmask": "255.255.255.0",
        "name": "eth0",
        "ip_dhcp_switch": 1
    }
}
```

Parameter	Value	Description
ip		LAN IP address
gateway		Default gateway
dns1		Preferred DNS
dns2		Alternate DNS
mac		MAC address
subnetmask		subnet mask
name		lan name
ip_dhcp_switch	0/1	0:DHCP off 1:DHCP enabled

Modify LAN configuration information

When DHCP is closed, the LAN information can be modified manually, and the DNS data can be empty, but it must be passed. After successfully modifying the LAN information, the device will automatically restart.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "lan",
    "opt": "set_lan_info",
    "data": {
        "ip_dhcp_switch": 0,
        "ip": "192.168.1.76",
        "gateway": "192.168.1.1",
        "subnetmask": "255.255.255.0",
        "dns_dhcp_switch": 0,
        "dns1": "8.8.8.8",
        "dns2": ""
    }
}
```

Parameter	Value	Description
ip		LAN IP address
gateway		Default gateway
dns1		Preferred DNS
dns2		Alternate DNS
mac		MAC address
subnetmask		subnet mask
name		lan name
ip_dhcp_switch	0/1	0:DHCP off 1:DHCP enabled

Response(example):

After successfully setting the LAN information, the device will automatically restart, so there is no return value.

Check LAN connectivity

Use this interface to check if the device can communicate with other devices on the same LAN.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "lan",
    "opt":"get_local_ping"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "lan_local_status": 1
    }
}
```

Parameter	Value	Description
lan_local_status	0/1	0:Unable to communicate with LAN 1:Successfully communicated with LAN

Detecting connectivity with the Internet

Check whether the device can connect to the Internet to ensure normal streaming.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "lan",
    "opt":"get_lan_ping"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "lan_net_status": 1
    }
}
```

Parameter	Value	Description
lan_local_status	0/1	0:Can't connect to the internet 1:Successfully connected to the Internet

Get display IP

To obtain the IP displayed on the LCD screen, first obtain the LAN IP. If the LAN IP cannot be obtained, obtain the WiFi IP.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://192.168.1.31/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "get_main_ip"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "ip": "192.168.1.76"
    }
}
```

12. WIFI

WiFi switch

Turn WiFi on/off.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "wifi",
    "opt": "wifi_switch",
    "data": {
        "switch": 1
    }
}
```

Parameter	Value	Description
switch	0/1	0:WiFi off 1:WiFi on

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get WiFi list

Get all connectable WiFi information, including SSID, signal strength and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "wifi",
    "opt":"get_wifi_list"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": [
        {
            "connect_status": 1,
            "ssid": "Zowietek",
            "bssid": "e2:5f:75:36:be:72",
            "frequency": 2437.0,
            "signalLevel": 3,
            "signal_level": -62,
            "flags": "[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][WPS][ESS][UTF-8]"
        },
        {
            "connect_status": 0,
            "ssid": "ZowiePTZ-12709",
            "bssid": "ba:13:32:98:df:52",
            "frequency": 2437.0,
            "signalLevel": 4,
            "signal_level": -53,
            "flags": "[WPA2-PSK-CCMP+TKIP][ESS]"
```

```
        },
        {
            "connect_status": 0,
            "ssid": "ZowiePTZ-12701",
            "bssid": "ba:13:32:98:d0:16",
            "frequency": 2437.0,
            "signalLevel": 4,
            "signal_level": -59,
            "flags": "[WPA2-PSK-CCMP+TKIP][ESS]"
        },
        {
            "connect_status": 0,
            "ssid": "Zowietek_Wi-Fi5",
            "bssid": "e2:5f:75:36:be:80",
            "frequency": 2437.0,
            "signalLevel": 3,
            "signal_level": -61,
            "flags": "[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS][UTF-8]"
        },
        {
            "connect_status": 0,
            "ssid": "DIRECT-d8-HP M130 LaserJet",
            "bssid": "9e:30:5b:a2:29:d8",
            "frequency": 2437.0,
            "signalLevel": 3,
            "signal_level": -65,
            "flags": "[WPA2-PSK-CCMP][WPS][ESS][P2P]"
        },
        {
            "connect_status": 0,
            "ssid": "ZowiePTZ-12265",
            "bssid": "ba:13:32:98:df:dc",
            "frequency": 2437.0,
            "signalLevel": 3,
            "signal_level": -65,
            "flags": "[WPA2-PSK-CCMP+TKIP][ESS]"
        }
    ]
}
```


Parameter	Value	Description
connect_status	0/1	0:Not connected to this WiFi 1:Already connected to this WiFi
ssid		WiFi SSID
signalLevel		WiFi signal strength
signal_level		WiFi signal strength

Get wifi connection information/status

If the WiFi connection is successful, you can query the connected WiFi information, or you can query whether the WiFi connection failed or is connecting.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "wifi",
    "opt":"get_wifi_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "networkId": 0,
        "ssid": "Zowietek_Wi-Fi5",
        "bssid": "e2:5f:75:36:be:81",
        "freq": 5220,
        "mode": "station",
        "pairwise_cipher": "CCMP",
        "group_cipher": "TKIP",
        "key_mgmt": "WPA2-PSK",
        "wpa_state": "COMPLETED",
        "p2p_device_address": "",
        "address": "b8:13:32:98:a0:54",
        "uuid": "0b370209-9d69-5b92-9c1d-23e51237b977",
        "wifi_connect_status": 4,
        "signalLevel": 4,
        "switch": 1,
        "ip": "192.168.1.137",
        "gateway": "192.168.1.1",
        "dns1": "114.114.114.114",
        "dns2": "",
        "mac": "b8:13:32:98:a0:54",
        "subnetmask": "255.255.255.0"
    }
}
```

Parameter	Value	Description
ssid		WiFi ssdi

Parameter	Value	Description
wifi_connect_status	1/2/3/4	1:not connected 2:Connecting 3:Connection failed 4:Connection successful
signal_Level		WiFi signal strength
switch	0/1	0: WiFi off 1: WiFi on
ip		WiFi IP address
gateway		Default Gateway
dns1		Preferred DNS
dns2		Alternate DNS
mac		WiFi MAC address
subnetmask		Subnet mask

Connect to WiFi

Enter the WiFi ssid and password to connect to WiFi.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "wifi",
    "opt": "wifi_connect",
    "data": {
        "password": "Zowietek",
        "ssid": "Zowietek_Wi-Fi",
        "signalLevel": 3
    }
}
```

Parameter	Value	Description
password		WiFi password
ssid		WiFi ssid
signalLevel		WiFi signal strength

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

13. Port

Get port information

Get the port information of http, websocket, rtmp,rtsp, rtp, NDI and visca.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "ports",
    "opt":"get_ports_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "http": 80,
        "https": 443,
        "websocket": 8088,
        "rtmp": 1935,
        "onvif": 2000,
        "soap": 1936,
        "rtsp": 8554,
        "rtp": 1234,
        "ndi": 5961,
        "visca_tcp": 5230,
        "visca_udp": 5231
    }
}
```

Parameter	Value	Description
http	80/1025 to 8079/8081 to 65530	Web port

Parameter	Value	Description
websocket	1025 to 65530	Websocket port
rtmp	1025 to 65530	RTMP port
rtsp	554/1025 to 65530	RTSP port
rtp	1025 to 65530	RTP port
visca_tcp	1025 to 65530	VISCA TCP port
visca_udp	1025 to 65530	VISCA UDP port

Set port information

Set the port information of http, websocket, rtmp,rtsp, rtp, NDI and visca.Please restart the device after modification.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ports",
    "opt": "set_ports_info",
    "data": {
        "http": 80,
        "rtmp": 1935,
        "rtsp": 8554,
        "visca_tcp": 5232,
        "visca_udp": 5231,
        "rtp":1234,
        "websocket": 8088
    }
}
```

Parameter	Value	Description
http	80/1025 to 8079/8081 to 65530	Web port
websocket	1025 to 65530	Websocket port
rtmp	1025 to 65530	RTMP port
rtsp	554/1025 to 65530	RTSP port
rtp	1025 to 65530	RTP port
visca_tcp	1025 to 65530	VISCA TCP port

Parameter	Value	Description
visca_udp	1025 to 65530	VISCA UDP port

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

14. mDNS

Get mDNS information

Get the hostname and domain name of mDNS.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/network?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "mdns",
    "opt":"get_mdns_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "host_name": "ZowieBox-12021",
        "domain_name": "local"
    }
}
```

Set mDNS information

Modify mDNS hostname.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

Body(example):

```
{
    "group": "mdns",
    "opt":"set_mdns_info",
    "data": {
        "host_name": "ZowieBox-12022",
        "domain_name": "local"
    }
}
```

Response(example):

```
After the modification is successful, the device will automatically restart with no return
value.
```

15. User Management

Obtain user information

Get all added user accounts.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "account",
    "opt": "get_accounts_info",
    "data": {
        "loginUserName": "admin"
    }
}
```

Parameter	Value	Description
loginUserName		Please enter an existing user name. Administrator rights can query all user information. Otherwise, you can only query your own user information.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
```

```
    "data": [
        {
            "username": "admin",
            "type": 0,
            "index": 0
        },
        {
            "username": "super",
            "type": 1,
            "index": 1
        },
        {
            "username": "basic",
            "type": 2,
            "index": 2
        }
    ]
}
```

Parameter	Value	Description
username		Account name
type	0/1/2	0:Administrator rights 1:Super permission 2:Basic permissions
index		Account index

Delete users

Delete accounts based on account index.Please do not delete the administrator account at will.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group":"account",
    "opt":"del_account_by_id",
    "data":
    {
        "index":2
    }
}
```

Parameter	Value	Description
index		Account index

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Add user

Use this interface to add users with three permissions.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "account",
    "opt": "add_account_info",
    "data": {
        "type": 1,
        "username": "account_1",
        "password": "account_1"
    }
}
```

Parameter	Value	Description
username		Account name
type	0/1/2	0:Administrator rights 1:Super permission 2:Basic permissions
password		Account password

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Modify user information

Use this interface to modify the user's username, password, and permissions.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "account",
    "opt": "update_account_by_id",
    "data": {
        "type": 1,
        "username": "admin1",
        "password": "admin",
        "index": 1
    }
}
```

Parameter	Value	Description
username		Account name
type	0/1/2	0:Administrator rights 1:Super permission 2:Basic permissions
password		Account password
index		Account index

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Log in

Log in to the device using an existing account

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "account",
    "opt": "login_account",
    "data": {
        "username": "admin",
        "password": "admin"
    }
}
```

Parameter	Value	Description
username		Account name
password		Account password

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "uuid": "749d72a7-a9c6-48fb-b137-b00223250203",
        "type": 0
    }
}
```

Parameter	Value	Description
uuid		Login identification code, required when logging out
type	0/1/2	0:Administrator rights 1:Super permission 2:Basic permissions

Log out

Log out to log in with another account.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group":"account",
    "opt":"logout_account",
    "data":
    {
        "uuid":"22e81ed1-7e50-4182-9115-67443814e490",
        "username":"admin"
    }
}
```

Parameter	Value	Description
uuid		Login identification code, please enter the uuid returned when logging in
username		Account name

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Verify account existence

Verify whether this account exists, whether the account's password is correct, and whether this account has administrator rights.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "account",
    "opt": "verify_account",
    "data": {
        "username": "tyui",
        "password": "super"
    }
}
```

Parameter	Value	Description
username		Account name
password		Account password

Response(example):


```
{
    "rsp": "succeed",
    "status": "00000"
}
```


16. Device time

Get device time

Get the current time of the device, device time setting method and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=getinfo&login_check_flag=1

Body(example):


```
{
    "group":"systime",
    "opt":"get_systime_info"
}
```


Response(example):


```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "time": {
            "year": 2023,
            "month": 9,
            "day": 27,
            "hour": 16,
            "minute": 56,
            "second": 32
        },
        "setting_mode_id": 0,
        "time_zone_id": "GMT-5",
        "time_type_id": 0,
        "ntp_enable": 0,
        "ntp_server": "ntp.ntsc.ac.cn",
        "ntp_port": 123
    }
}
```

Parameter	Value	Description
year		Device current year
month		Device current month
day		Device current day
hour		Device current hour
minute		Device current minute
second		Device current second
setting_mode_id	0/1/2	0:Synchronize with computer time 1:Set manually 2:Synchronize with NTP server
time_zone_id		The currently set time zone
ntp_server		NTP server
ntp_port		NTP server port

Set device time

Set the device's current time and how to get it.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://x.x.x.x/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group":"systime",
    "opt":"set_systime_info",
    "data":{
        "ntp_enable": 0,
        "ntp_port": 123,
        "ntp_server": "ntp.ntsc.ac.cn",
        "setting_mode_id": 0,
        "time": {
            "day": 30,
            "hour": 16,
            "minute": 1,
            "month": 6,
            "second": 54,
            "year": 2022
        },
        "time_type_id": 0,
        "time_zone_id": "GMT-8"
    }
```

```
}
```

Parameter	Value	Description
year		Device current year
month		Device current month
day		Device current day
hour		Device current hour
minute		Device current minute
second		Device current second
setting_mode_id	0/1/2	0:Synchronize with computer time 1:Set manually 2:Synchronize with NTP server
time_zone_id	GMT11/GMT10/GMT9/GMT8/GMT7/GMT6/ GMT5/GMT4/GMT3/GMT2/GMT1/GMT0/ GMT-1/GMT-2/GMT-3/GMT-4/GMT-5/GMT-6/ GMT-7/GMT-8/GMT-9/GMT-10/GMT-11/GMT-12/ GMT-13	The currently set time zone
ntp_server		NTP server
ntp_port		NTP server port

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

17. Recording

Get storage device status

Obtain the storage device's mounting status, file format, storage capacity and other information.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/storage?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "storage_status"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": [
        {
            "name": "sdcard",
            "index": 0,
            "mount_path": "/mnt/sdcard",
            "status": 0,
            "totalspace": 0,
            "freespace": 0,
            "usagespace": 0,
            "file_system": 0
        },
        {
            "name": "USB1",
            "index": 1,
            "mount_path": "/mnt/USB1",
            "status": 1,
            "totalspace": 29323,
            "freespace": 28553,
            "usagespace": 770,
            "file_system": 1
        },
        {
            "name": "nas1",
            "index": 3,
            "mount_path": "/tmp/nas1",
            "status": 0,
            "totalspace": 0,
            "freespace": 0,
            "usagespace": 0,
            "file_system": 0
        }
    ]
}
```

Parameter	Value	Description
name		Storage device type
index		Storage device index
mount_path		Mount path

Parameter	Value	Description
status	0/1/2	0:Not mounted 1:Mounted 2:Storage device is full 3:Storage device read-only 4:Failed to mount storage device
totalspace		
freespace		Storage device remaining capacity
usagespace		Storage device used capacity
file_system	0/1/2	0:Unknown format 1:FAT32 2:exFAT 3:NTFS 4:CIFS 5:NFS

Get recording task list

Get a list of all recording tasks

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/record?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "record",
    "opt" : "get_task_list"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": [
        {
            "index": "usb1_0",
            "file_name_prefix": "usb1_0",
            "name": "usb1",
            "record_format": 0,
            "record_mode": 0,
            "record_loop_mode": 0,
            "limit_type": 0,
```

```
            "size_limit": 0,
            "time_limit": 0,
            "enable": 0,
            "storage_id": 1,
            "stream_id": 0,
            "audio_stream_id": 0,
            "status": 5,
            "storageInfo": {
                "name": "USB1",
                "index": 1,
                "mount_path": "/mnt/USB1",
                "status": 1,
                "totalspace": 29323,
                "freespace": 28553,
                "usagespace": 770,
                "file_system": 1
            },
            "curr_file_name": "",
            "duration": 0
        },
        {
            "index": "sdcard_0",
            "file_name_prefix": "sdcard_0",
            "name": "sdcard",
            "record_format": 0,
            "record_mode": 0,
            "record_loop_mode": 0,
            "limit_type": 0,
            "size_limit": 0,
            "time_limit": 0,
            "enable": 0,
            "storage_id": 0,
            "stream_id": 0,
            "audio_stream_id": 0,
            "status": 5,
            "restart_record": 1,
            "storageInfo": {
                "name": "sdcard",
                "index": 0,
                "mount_path": "/mnt/sdcard",
                "status": 1,
                "totalspace": 30417,
                "freespace": 8182,
                "usagespace": 22235,
                "file_system": 1
            },
            "curr_file_name": "",
            "duration": 0
        }
    ]
}
```

Parameter	Value	Description
index		Modify subsequent task information based on the index
file_name_prefix		Video file name
record_format	0/1/2	0:mp4 1:ts 2:mov
record_mode	0/1	0:Disable automatic recording 1:Auto record after starting
record_loop_mode	0/1	0:Close loop recording 1:Start loop recording
limit_type	0/1/2	0:Size split 1:Time split
enable	0/1	0:Record on 1:Record off
status	0/1/2/3/4/5	0:Not recorded 1:Recording 2:Recording paused 3:The storage device is full and cannot record. 4:Storage device is invalid/not mounted 5:No signal source

Modify recording task information

Modify the name of the video file, video format, loop recording and other status.

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/record?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "record",
    "opt" : "set_task_info",
    "data":{
        "index": "usb1_0",
        "name":"test",
        "record_format": 0,
        "record_mode": 0,
        "file_name_prefix":"stage",
        "record_loop_mode": 0,
        "size_limit":0,
        "time_limit":0,
```

```
        "limit_type": 0,
        "storage_id":1,
        "stream_id": 0
    }
}
```

Parameter	Value	Description
index		Get the index through the previous interface
name		Recording task name
file_name_prefix		Video file name
record_format	0/1/2	0:mp4 1:ts 2:mov
record_mode	0/1	0:Disable automatic recording 1:Auto record after starting
record_loop_mode	0/1	0:Close loop recording 1:Start loop recording
limit_type	0/1/2	0:Size split 1:Time split
size_limit	0/1/2/3	0:Auto 1:1.5G 2:3G 3:4G
time_limit	0/1/2/3	0:Auto 1:15min 2:30min 3:45min
enable	0/1	0:Record on 1:Record off

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Start/stop recording

Start or stop recording. Currently, the device only supports recording to one storage device. Recording to multiple storage devices may cause file corruption, device crash, etc.!

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/record?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "record",
    "opt" : "set_task_enable",
    "data":{
        "index": "usb1_0",
        "enable": 1
    }
}
```

Parameter	Value	Description
index	usb1_0/sdcard_0/nas1_0	usb1_0:Using USB Recording sdcard_0:Using TF card Recording nas1_0:Using NAS Recording
enable	0/1/2/3	0:Record off 1:Record on 2: Pause 3: continue

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Get the video file path

Get the video file path of the specified storage device

http://xxx.xxx.xxx.xxx/record?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "record",
    "opt" : "get_task_savefiles_page",
    "data": {
        "index": "sdcard_0",
        "control":{
            "currentPage":1,
            "default_Record_Num":10
        },
        "case_num":1
    }
}
```

Parameter	Value	Description
index	usb1_0/sdcard_0/nas1_0	usb1_0:Using USB Recording sdcard_0:Using TF card Recording nas1_0:Using NAS Recording
currentPage	num	Get the page number of videos
default_Record_Num":	num	Number of videos to get per page
case_num	/	The case number for which information needs to be obtained. When deleting, all video information on the disk is obtained by default.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "storage_info": {
            "name": "TF",
            "index": 0,
            "mount_path": "/mnt/sdcard",
            "status": 1,
            "totalspace": 30430,
            "freespace": 21368,
            "usagespace": 9062,
            "file_system": 2,
            "speed_test_status": 0,
            "write_speed": 0.0,
            "read_speed": 0.0
        },
        "control": {
            "firstPage": 1,
            "currentPage": 1,
            "lastPage": 1,
            "default_Record_Num": 10,
            "sum": 1,
```

```
            "frontPage": 0,
            "nextPage": 1
        },
        "storage_files_size": 1,
        "storage_files": [
            {
                "task_id": "sdcard_0",
                "start_time": "2025-06-09 17:52:58",
                "end_time": "2025-06-09 17:53:03",
                "filename": "sdcard_0_20250609175257.mp4",
                "file_url": "/mnt/sdcard/DCIM/MediDVR/case_1/sdcard_0_20250609175257.mp4",
                "file_size": 11,
                "duration": 5,
                "case_num": 1,
                "start_time_obj": {
                    "year": 2025,
                    "month": 6,
                    "day": 9,
                    "hour": 17,
                    "minute": 52,
                    "second": 58
                },
                "end_time_obj": {
                    "year": 2025,
                    "month": 6,
                    "day": 9,
                    "hour": 17,
                    "minute": 53,
                    "second": 3
                }
            }
        ]
    }
}
```


Parameter	Value	Description
task_id	/	Storage Device
start_time	/	Recording start time
end_time	/	End time of recording
filename	/	Video file name
file_url	/	Video file path
file_size	/	Video file size
case_num	/	Case number

Delete video files

Use **Get the video file path** interface to get information

Device Supported: ZowieBox, ZowieCam, ZowiePTZ

http://xxx.xxx.xxx.xxx/record?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "record",
    "opt": "del_record_file",
    "data": {
        "index": "nas1_0",
        "storage_id": 3,
        "filename": "nas1_020260210153220.mp4",
        "file_url": "tmp/nas1/DCIM/ZowiePTZ/nas1_020260210153220.mp4",
        "case_num" :0
    }
}
```

Parameter	Value	Description
index	usb1_0/sdcard_0/nas1_0	:Using USB Recording sdcard_0:Using TF card Recording nas1_0:Using NAS Recording
storage_id	0/1/3	0：sdcard_0 1：usb1_0 3：nas1_0
filename	/	Video file name
file_url	/	Video file path

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Playing video files

Please ensure that this is used in decoding mode. You can use the **Get the video file path** interface to obtain the recording file path.

Device Supported: ZowieBox，Zowiebox SDI

http://192.168.1.21/mediaplayer?option=setinfo&login_check_flag=1

Body(example):

```
{
"group": "mediaplayer",
"opt": "media_open",
"data":{
    "path": "/mnt/USB1/1.mp4"
}
}
```

Parameter	Value	Description
file_url	/	Video file path

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

18 .Snapshot

Snapshot

Device Supported: ZowieBox, ZowiePTZ,MediDVR,ZowieCam

http://192.168.1.104/snapshot?option=takephoto&login_check_flag=1

Body(example):

```
{
    "num": 3
}
```

Parameter	Value	Description
num	1 to 3	Number of photos per shot

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Get the photo path

Device Supported: ZowieBox, ZowiePTZ,MediDVR,ZowieCam

http://192.168.1.104/snapshot?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "photo",
    "opt" : "get_photo_list",
    "data": {
        "storage_id":0,
        "control":{
            "currentPage":1,
            "default_Num":10
        },
        "case_num":1
    }

}
```

Parameter	Value	Description
storage_id	0/1/2	0:sdcard 1:USB 3:NAS
currentPage	num	Get the page number of photos
default_Num	num	Number of photos to get per page
case_num	/	The case number for which information needs to be obtained. When deleting, all photo information on the disk is obtained by default.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "total": 2,
    "total_dcm": 0,
    "data": [
        {
            "record_file": "unrecorded",
            "creat_time": {
                "year": 2025,
                "month": 6,
                "day": 9,
                "hour": 16,
                "minute": 7,
                "second": 6
```

```
            },
            "filename": "20250609160705.bmp",
            "file_url": "/mnt/sdcard/DCIM/MediDVR/case_1/20250609160705.bmp",
            "file_thumbnail":
"/mnt/sdcard/DCIM/MediDVR/case_1/.thumbnail/20250609160705.bmp",
            "width": 1920,
            "height": 1080
        },
        {
            "record_file": "sdcard_0_20250609175257.mp4",
            "creat_time": {
                "year": 2025,
                "month": 6,
                "day": 9,
                "hour": 17,
                "minute": 53,
                "second": 2
            },
            "filename": "20250609175302.bmp",
            "file_url": "/mnt/sdcard/DCIM/MediDVR/case_1/20250609175302.bmp",
            "file_thumbnail":
"/mnt/sdcard/DCIM/MediDVR/case_1/.thumbnail/20250609175302.bmp",
            "width": 1920,
            "height": 1080
        }
    ]
}
```


Parameter	Value	Description
total	/	Total number of photos
total_dcm	/	Number of photos in DCIOM format
record_file	/	Whether the photo was taken during video recording. If so, the video file name is displayed.
creat_time	/	Photo creation time
filename	/	Photo file name
file_url	/	Photo storage path
file_thumbnail	/	Photo thumbnail path
width	/	Photo Pixels
height	/	Photo Pixels

Delete Photo

Device Supported: ZowieBox, ZowiePTZ,MediDVR,ZowieCam

http://xxx.xxx.xxx.xxx/snapshot?option=setinfo&login_check_flag=1

```
{
    "group": "photo",
    "opt": "del_photo",
    "data": {
        "storage_id": 0,
        "case_num":1,
        "filename": "20260703090115.jpg",
        "file_url": "/mnt/sdcard/DCIM/ZowieCam/20260703090115.jpg"
    }
}
```

Parameter	Value	Description
storage_id	0/1/2	0:sdcard 1:USB 3:NAS
case_num	num	1 by default
filename	/	Please use the photo information API to retrieve this information.
file_url	/	Please use the photo information API to retrieve this information.

19 . Tally

Get Tally parameters

Get the Tally light status, mode, and current color.

Device Supported: ZowieBox, ZowiePTZ

http://xxx.xxx.xxx.xxx/system?option=getinfo&login_check_flag=1

Body(example):

```
{
  "group": "tally_led",
  "opt": "get_tally_led_info"
}
```

Response(example):

```
{
```

```
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "switch": 1,
        "mode_id": 1,
        "mode_list": [
            "AUTO",
            "MANUAL"
        ],
        "color_id": 0,
        "color_list": [
            "OFF",
            "RED",
            "GREEN",
            "BLUE"
        ]
    }
}
```

Parameter	Value	Description
Switch	0/1	0:off 1:on
mode_id	0/1	0:Auto 1:Manual
color_id	0/1/2/3	0:off 1:red 2:green 3:blue

Set Tally parameters

Set the Tally light status, mode, and current color.

Device Supported: ZowieBox, ZowiePTZ

http://xxx.xxx.xxx.xxx/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "tally_led",
    "opt": "set_tally_led_info",
    "data": {
        "mode_id": 1,
        "color_id": 0
    }
}
```

Parameter	Value	Description
mode_id	0/1	0:Auto 1:Manual
color_id	0/1/2/3	0:off 1:red 2:green 3:blue

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Turn on/off Tally

Turn on/off tally light.

Device Supported: ZowieBox, ZowiePTZ

http://xxx.xxx.xxx.xxx/system?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "tally_led",
    "opt": "set_tally_led_switch",
    "data": {
        "switch": 1
    }
}
```

Parameter	Value	Description
Switch	0/1	0:off 1:on

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get Tally color

Device Supported: ZowieBox, ZowiePTZ

http://xxx.xxx.xxx.xxx/system?option=getinfo&login_check_flag=1

Body(example):

```
{
  "group": "tally_led",
  "opt": "get_tally_led_color"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "color_id": 3
    }
}
```

Parameter	Value	Description
color_id	0/1/2/3	0:off 1:red 2:green 3:blue

20 . Restore and reboot

Reboot

Device Supported: ZowieBox, ZowiePTZ, ZowieCam, MediCam

http://xxx.xxx.xxx.xxx/system?option=setinfo&login_check_flag=1

Body (example):

```
{
    "group":"syscontrol",
    "opt":"set_reboot_info",
    "data":{
        "command": "reboot"
    }
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00010"
}
```

Restore Factory

Device Supported: ZowieBox, ZowiePTZ, ZowieCam, MediCam

http://xxx.xxx.xxx.xxx/system?option=setinfo&login_check_flag=1

Body (example):

```
{
    "group":"syscontrol",
    "opt":"set_reset_info",
    "data":{
        "command": "reset"
    }
}
```

Standby

Device Supported: ZowieBox, ZowiePTZ, ZowieCam, MediCam

http://xxx.xxx.xxx.xxx/system?option=setinfo&login_check_flag=1

Body (example):

```
{
    "group":"syscontrol",
    "opt":"power_off"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Exit standby

Device Supported: ZowieBox, ZowiePTZ, ZowieCam, MediCam

http://xxx.xxx.xxx.xxx/system?option=setinfo&login_check_flag=1

Body (example):

```
{
    "group":"syscontrol",
    "opt":"power_on"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

21. Image Settings

Get exposure setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{

  "group": "camera",

  "opt":"get_exposure_info"

}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "mode": {
            "selected_id": 0,
            "mode_list": [
                "Auto",
```

```
                "Manual",
                "ShutterFirst",
                "ApertureFirst",
                "BrightFirst"
            ]
        },
        "gain": 0,
        "shutter": {
            "selected_id": 1,
            "shutter_list": [
                "1/25",
                "1/30",
                "1/50",
                "1/60",
                "1/90",
                "1/100",
                "1/120",
                "1/125",
                "1/180",
                "1/250",
                "1/300",
                "1/350",
                "1/500",
                "1/600",
                "1/725",
                "1/1000",
                "1/1500",
                "1/2000",
                "1/3000",
                "1/4000",
                "1/6000",
                "1/10000"
            ]
        },
        "wdr": {
            "selected_id": 0,
            "wdr_list": [
                0,
                1,
                2,
                3,
                4,
                5,
                6,
                7,
                8
            ]
        },
        "flicker": {
            "selected_id": 0,
            "flicker_list": [
                "Disable",
                "50",
```

```
                "60",
                "Auto"
            ]
        },
        "bias_enable": 1,
        "bias": 2,
        "backlight_enable": 1,
        "backlight": 8,
        "metering": {
            "selected_id": 0,
            "metering_list": [
                "average",
                "center",
                "spot",
                "matrix"
            ]
        },
        "sensitive": {
            "selected_id": 0,
            "sensitive_list": [
                "Auto",
                "100",
                "200",
                "400",
                "800",
                "1600",
                "3200",
                "6400",
                "12800",
                "25600"
            ]
        },
        "gain_limit": 10
    }
}
```


Parameter	Value	Description
mode.selected_id	0/1/2/3/4	0: Auto 1: Manual 2: ShutterFirst 3: ApertureFirst 4: BrightFirst
gain	0 to 16	Light Sensitive Gain

Parameter	Value	Description
shutter.selected_id	0 to 21	0: 1/25 1: 1/30 2: 1/50 3: 1/60 4: 1/90 5: 1/100 6: 1/120 7: 1/125 8: 1/180 9: 1/250 10: 1/300 11: 1/350 12: 1/500 13: 1/600 14: 1/725 15: 1/1000 16: 1/1500 17: 1/2000 18: 1/3000 19: 1/4000 20: 1/6000 21: 1/10000
wdr.selected_id	0 to 8	
flicker.selected_id	0/1/2/3	0: Disable 1: 50 2: 60 3: Auto
bias	-3 to +3	Exposure Compensation
backlight_enable	0/1	0: off 1: on
metering.selected_id	0/1/2/3	0: average 1: center 2: spot 3: matrix

Parameter	Value	Description
sensitive.selected_id	0 to 9	0: Auto 1: 100 2: 200 3: 400 4: 800 5:1600 6: 3200 7: 6400 8: 12800 9: 25600
gain_limit	0 to 16	Exposure Gain Limit

Modify exposure setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"set_exposure_info",
     "data": {
        "mode": {
            "selected_id": 2
        },
        "bright": 2,
        "gain": 2,
        "shutter": {
            "selected_id": 3
        },
        "wdr": {
            "selected_id": 0
        },
        "flicker": {
            "selected_id": 0
        },
        "bias_enable": 1,
        "bias": 0,
        "backlight_enable": 1,
        "backlight": 30,
        "metering": {
            "selected_id": 2
        },
        "sensitive": {
            "selected_id": 0
```

```
        },
        "save_flag": 1
    }
}
```

Parameter	Value	Description
mode.selected_id	0/1/2/3	0: Auto 1: Manual 2: ShutterFirst 3: ApertureFirst(ZowiePTZ only)
gain	0 to 16	Light Sensitive Gain
shutter.selected_id	0 to 21	0: 1/25 1: 1/30 2: 1/50 3: 1/60 4: 1/90 5: 1/100 6: 1/120 7: 1/125 8: 1/180 9: 1/250 10: 1/300 11: 1/350 12: 1/500 13: 1/600 14: 1/725 15: 1/1000 16: 1/1500 17: 1/2000 18: 1/3000 19: 1/4000 20: 1/6000 21: 1/10000
wdr.selected_id	0 to 8	
flicker.selected_id	0/1/2/3	0: Disable 1: 50 2: 60 3: Auto
bias	-3 to 3	Exposure Compensation
backlight_enable	0/1	0: off 1: on

Parameter	Value	Description
metering.selected_id	0/1/2/3	0: average 1: center 2: spot 3: matrix
sensitive.selected_id	0 to 9	0: Auto 1: 100 2: 200 3: 400 4: 800 5:1600 6: 3200 7: 6400 8: 12800 9: 25600
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get aperture value

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt":"get_aperture"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "selected_id": 12,
        "max_aperture_id": 12,
```

```
        "aperture_id": 12,
        "aperture_list": [
            "CLOSE",
            "F11.0",
            "F9.6",
            "F8.0",
            "F6.8",
            "F5.6",
            "F4.8",
            "F4.0",
            "F3.4",
            "F2.8",
            "F2.4",
            "F2.0",
            "F1.6"
        ]
    }
}
```

Parameter	Value	Description
selected_id		Selected aperture value
max_aperture_id		Maximum aperture value
aperture_id	0 to 12	0: CLOSE 1: F11.0 2: F9.6 3: F8.0 4: F6.8 5: F5.6 6: F4.8 7: F4.0 8: F3.4 9: F2.8 10: F2.4 11: F2.0 12: F1.6

Set aperture value

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/ptz?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "ptz",
    "opt":"set_aperture",
     "data": {
        "aperture": 10
    }
}
```

Parameter	Value	Description
aperture	0 to 12	0: CLOSE 1: F11.0 2: F9.6 3: F8.0 4: F6.8 5: F5.6 6: F4.8 7: F4.0 8: F3.4 9: F2.8 10: F2.4 11: F2.0 12: F1.6

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get color setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"get_white_balance_info"
}
```

Response(example):

```
{
    "status": "00000",
```

```
    "rsp": "succeed",
    "data": {
        "mode": {
            "selected_id": 0,
            "mode_list": [
                "Auto",
                "Manual",
                "VAR",
                "OnePush"
            ]
        },
        "var": {
            "selected_id": 7,
            "var_list": [
                "3000K",
                "3500K",
                "4000K",
                "4500K",
                "5000K",
                "5500K",
                "6000K",
                "6500K"
            ]
        },
        "rgain": 128,
        "bgain": 128,
        "saturation": 30,
        "hue": 0,
        "ircut": {
            "selected_id": 0,
            "mode_list": [
                "IRCUT_DAY",
                "IRCUT_NIGHT"
            ]
        }
    }
}
```


Parameter	Value	Description
mode.selected_id	0/1/2/3	0: Auto 1: Manual 2: VAR 3: OnePush

Parameter	Value	Description
var.selected_id	0 to 7	0: 3000K 1: 3500K 2: 4000K 3: 4500K 4: 5000K 5: 5500K 6: 6000K 7: 6500K
rgain	0 to 255	red gain (electronics)
bgain	0 to 255	blue gain (electronics)
saturation	1 to 100	Saturation of colors
hue	-180 to 180	Hue of colors
ircut.selected_id	0/1	0: IRCUT_DAY 1: IRCUT_NIGHT

Modify color setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"set_white_balance_info",
    "data": {
        "mode": {
            "selected_id": 0
        },
        "var": {
            "selected_id": 0
        },
        "rgain": 12,
        "bgain": 12,
        "saturation": 80,
        "hue": 10,
        "ircut": {
            "selected_id": 0
        },
        "wb_adjust": 0,
        "save_flag": 1
    }
}
```

Parameter	Value	Description
mode.selected_id	0/1/2/3	0: Auto 1: Manual 2: VAR 3: OnePush
var.selected_id	0 to 7	0: 3000K 1: 3500K 2: 4000K 3: 4500K 4: 5000K 5: 5500K 6: 6000K 7: 6500K
rgain	0 to 255	red gain (electronics)
bgain	0 to 255	blue gain (electronics)
saturation	1 to 100	Saturation of the image
hue	-180 to 180	Hue of the image
ircut.selected_id	0/1	0: IRCUT_DAY 1: IRCUT_NIGHT
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Getting image setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"get_image_info"
}
```

Response(example):


```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "brightness": 4,
        "contrast": 7,
        "sharpness": 2,
        "gamma": {
            "selected_id": 2,
            "gamma_list": [
                "0.38(1/2.6)",
                "0.42(1/2.4)",
                "0.45(1/2.2)",
                "0.50(1/2.0)",
                "0.55(1/1.8)",
                "0.63(1/1.6)",
                "0.71(1/1.4)",
                "0.83(1/1.2)",
                "1.00(1/1.0)"
            ]
        },
        "flip": {
            "selected_id": 0,
            "flip_list": [
                "Disable",
                "H-Filp",
                "V-Filp",
                "HV-Flip",
                "Auto Flip"
            ]
        },
        "color_gray": {
            "selected_id": 0,
            "cg_list": [
                "colour",
                "gray"
            ]
        }
    }
}
```


Parameter	Value	Description
brightness	0 to 8	Brightness of the image
contrast	0 to 15	Contrast of the image
sharpness	0 to 10	Sharpness of the image

Parameter	Value	Description
gamma.selected_id	0 to 8	0: 0.38(1/2.6) 1: 0.42(1/2.4) 2: 0.45(1/2.2) 3: 0.50(1/2.0) 4: 0.55(1/1.8) 5: 0.63(1/1.6) 6: 0.71(1/1.4) 7: 0.83(1/1.2) 8: 1.00(1/1.0)
flip.selected_id	0 to 4	0: Disable 1: H-Filp 2: V-Filp 3: HV-Flip 4: Auto Flip
color_gray.selected_id	0/1	0: colour 1: gray

Modify image setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"set_image_info",
    "data": {
        "brightness": 0,
        "contrast": 0,
        "sharpness": 0,
        "gamma": {
            "selected_id": 0
        },
        "flip": {
            "selected_id": 0
        },
        "color_gray": {
            "selected_id": 0
        },
        "save_flag": 1
    }
}
```

Parameter	Value	Description
brightness	0 to 8	Brightness of the image
contrast	0 to 15	Contrast of the image
sharpness	0 to 10	Sharpness of the image
gamma.selected_id	0 to 8	0: 0.38(1/2.6) 1: 0.42(1/2.4) 2: 0.45(1/2.2) 3: 0.50(1/2.0) 4: 0.55(1/1.8) 5: 0.63(1/1.6) 6: 0.71(1/1.4) 7: 0.83(1/1.2) 8: 1.00(1/1.0)
flip.selected_id	0 to 4	0: Disable 1: H-Filp 2: V-Filp 3: HV-Flip 4: Auto Flip
color_gray.selected_id	0/1	0: colour 1: gray
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get noise reduction setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"get_nr_info"
}
```

Response(example):


```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "nr_2d": {
            "selected_id": 3,
            "nr_2d_list": [
                "Disable",
                "1",
                "2",
                "3",
                "4",
                "5",
                "6",
                "7",
                "8"
            ]
        },
        "nr_3d": {
            "selected_id": 3,
            "nr_3d_list": [
                "Disable",
                "1",
                "2",
                "3",
                "4",
                "5",
                "6",
                "7",
                "8"
            ]
        },
        "correction": {
            "selected_id": 0,
            "correction_list": [
                "Disable",
                "1",
                "2",
                "3",
                "4",
                "5"
            ]
        }
    }
}
```

Parameter	Value	Description
nr_2d.selected_id	0 to 8	0: Disable 1: 1 2: 2 3: 3 4: 4 5: 5 6: 6 7: 7 8: 8
nr_3d.selected_id	0 to 8	0: Disable 1: 1 2: 2 3: 3 4: 4 5: 5 6: 6 7: 7 8: 8
correction.selected_id	0 to 5	0: Disable 1: 1 2: 2 3: 3 4: 4 5: 5

Modify noise reduction setting data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"set_nr_info",
    "data": {
        "nr_2d": {
            "selected_id": 0
        },
        "nr_3d": {
            "selected_id": 0
        },
        "correction": {
            "selected_id": 0
```

```
        },
        "save_flag": 1
    }
}
```

Parameter	Value	Description
nr_2d.selected_id	0 to 8	0: Disable 1: 1 2: 2 3: 3 4: 4 5: 5 6: 6 7: 7 8: 8
nr_3d.selected_id	0 to 8	0: Disable 1: 1 2: 2 3: 3 4: 4 5: 5 6: 6 7: 7 8: 8
correction.selected_id	0 to 5	0: Disable 1: 1 2: 2 3: 3 4: 4 5: 5
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get image style data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"get_style_info"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "selected_id": 0,
        "style_list": [
            "default",
            "normal",
            "clarity",
            "bright",
            "soft",
            "beautify"
        ],
        "style_param_list": [
            {
                "id": 0,
                "desc": "default",
                "brightness_id": 4,
                "sharpness_id": 2,
                "contrast_id": 7,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 2,
                "saturation": 30,
                "hue": 0,
                "cem_id": 0,
                "metering_id": 0
            },
            {
                "id": 1,
                "desc": "normal",
                "brightness_id": 5,
                "sharpness_id": 2,
                "contrast_id": 7,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 2,
                "saturation": 30,
```

```
            "hue": 0,
            "cem_id": 0,
            "metering_id": 0
        },
        {
            "id": 2,
            "desc": "clarity",
            "brightness_id": 5,
            "sharpness_id": 3,
            "contrast_id": 10,
            "nr_2d_id": 2,
            "nr_3d_id": 3,
            "gamma_id": 1,
            "saturation": 30,
            "hue": 0,
            "cem_id": 0,
            "metering_id": 0
        },
        {
            "id": 3,
            "desc": "bright",
            "brightness_id": 5,
            "sharpness_id": 2,
            "contrast_id": 9,
            "nr_2d_id": 2,
            "nr_3d_id": 3,
            "gamma_id": 1,
            "saturation": 40,
            "hue": 0,
            "cem_id": 0,
            "metering_id": 0
        },
        {
            "id": 4,
            "desc": "soft",
            "brightness_id": 4,
            "sharpness_id": 0,
            "contrast_id": 6,
            "nr_2d_id": 2,
            "nr_3d_id": 3,
            "gamma_id": 2,
            "saturation": 30,
            "hue": 0,
            "cem_id": 0,
            "metering_id": 0
        },
        {
            "id": 5,
            "desc": "beautify",
            "brightness_id": 6,
            "sharpness_id": 2,
            "contrast_id": 4,
            "nr_2d_id": 2,
```

```
                "nr_3d_id": 3,
                "gamma_id": 1,
                "saturation": 30,
                "hue": 0,
                "cem_id": 0,
                "metering_id": 0
            }
        ],
        "medi_style_list": [
            "default",
            "color enhancement",
            "image sharpness",
            "normal",
            "clarity",
            "bright"
        ],
        "medi_style_param_list": [
            {
                "id": 0,
                "desc": "default",
                "brightness_id": 4,
                "sharpness_id": 2,
                "contrast_id": 8,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 2,
                "saturation": 30,
                "hue": 0,
                "cem_id": 0,
                "metering_id": 2
            },
            {
                "id": 1,
                "desc": "color enhancement",
                "brightness_id": 4,
                "sharpness_id": 2,
                "contrast_id": 9,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 2,
                "saturation": 30,
                "hue": 0,
                "cem_id": 1,
                "metering_id": 2
            },
            {
                "id": 2,
                "desc": "image sharpness",
                "brightness_id": 4,
                "sharpness_id": 4,
                "contrast_id": 10,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
```

```
                "gamma_id": 1,
                "saturation": 30,
                "hue": 0,
                "cem_id": 1,
                "metering_id": 2
            },
            {
                "id": 3,
                "desc": "normal",
                "brightness_id": 5,
                "sharpness_id": 2,
                "contrast_id": 7,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 2,
                "saturation": 30,
                "hue": 0,
                "cem_id": 0,
                "metering_id": 0
            },
            {
                "id": 4,
                "desc": "clarity",
                "brightness_id": 5,
                "sharpness_id": 3,
                "contrast_id": 10,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 1,
                "saturation": 30,
                "hue": 0,
                "cem_id": 0,
                "metering_id": 0
            },
            {
                "id": 5,
                "desc": "bright",
                "brightness_id": 5,
                "sharpness_id": 2,
                "contrast_id": 9,
                "nr_2d_id": 2,
                "nr_3d_id": 3,
                "gamma_id": 1,
                "saturation": 40,
                "hue": 0,
                "cem_id": 0,
                "metering_id": 0
            }
        ]
    }
}
```

Parameter	Value	Description
selected_id	0 to 5	0: default 1: normal 2: clarity 3: bright 4: soft 5: beautify
desc		Style of the image
brightness_id	0 to 8	Brightness of the image
sharpness_id	0 to 10	Sharpness of the image
contrast_id	0 to 15	Contrast of the image
nr_2d_id	0 to 8	2D noise reduction
nr_3d_id	0 to 8	3D noise reduction
gamma_id	0 to 8	Gamma curve of the image
saturation	1 to 100	Saturation of the image
hue	-180 to 180	Hue of the image
metering_id	0/1/2/3	Metering modes for exposure

Modify image style data

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"set_style_info",
    "data": {
        "selected_id": 1,
        "save_flag": 1
    }
}
```

Parameter	Value	Description
selected_id	0 to 5	0: default 1: normal 2: clarity 3: bright 4: soft 5: beautify
save_flag	0/1	0: unsaved 1: save

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

Get AE Lock status

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"get_ae_lock_status"
}
```

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed",
    "data": {
        "ae_lock_status": 0
    }
}
```

Parameter	Value	Description
ae_lock_status	0/1	0: off 1: on

Set AE Lock status

Device Supported: ZowiePTZ, ZowieCAM

http://xxx.xxx.xxx.xxx/camera?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "camera",
    "opt":"set_ae_lock_status",
    "data":{
        "ae_lock_status":0
    }
}
```

Parameter	Value	Description
ae_lock_status	0/1	0: off 1: on

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

22.Patient Case

Create Patient Information

Device Supported: MediDVR

http://xxx.xxx.xxx.xxx/patient?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group":"patient",
    "opt":"add_message_task",
    "data":{
        "firstname": "王",
        "thirdname": "位",
        "secondname": "位",
        "year": "2024",
        "month": "1",
        "day": "1",
```

```
        "id": "1",
        "doctor": "20000000",
        "message":"0",
        "gender": 0,
        "case_num":1,
        "Examination_finding":"iiiiiiiii",
        "Check_prompt":"pppppppppppppp",
        "add_mode":0,
        "patient_id":1
    }

}
```

Parameter	Value	Description
firstname	/	patient's first name
thirdname	/	patient's third name
secondname	/	patient's second name
year	/	Year of Birth
month	/	Month of birth
day	/	Day of birth
id	/	Patient's id
doctor	/	Doctor name
message	/	Description of the patient's condition
gender	0/1	Patient gender 0:male 1:female

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Case Query

Query all case information

Device Supported: MediDVR

http://xxx.xxx.xxx.xxx/patient?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group":"patient",
    "opt":"get_message_task",
    "data":{
        "sort":0
    }
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": [
        {
            "id": "00000002",
            "firstname": "Patient2",
            "secondname": "",
            "thirdname": "",
            "gender": -1,
            "patient_id": 2,
            "patient_case": 1,
            "case_num": 2,
            "check_time": {
                "year": 2025,
                "month": 6,
                "day": 10,
                "hour": 13,
                "minute": 25,
                "second": 1
            },
            "check_info": null,
            "year": "",
            "month": "",
            "day": "",
            "doctor": "",
            "message": "",
            "path": "/mnt/sdcard/DCIM/MediDVR/case_2",
            "patient_case_amount": 1
        }
    ]
}
```

Parameter	Value	Description
id	/	patient id
firstname	/	patient's first name
thirdname	/	patient's third name

Parameter	Value	Description
secondname	/	patient's second name
case_num	/	case number
patient_id	/	patient id
patient_case	/	patient case id
check_time.year	/	Year of Check time
check_time.month	/	Month of check time
check_time.day	/	Day of check time
check_time.hour	/	hour of check time
check_time.minute	/	minute of check time
check_time.second	/	second of check time
year	/	year of birth
month	/	month of birth
day		day of birth
doctor	/	Doctor name
message	/	Description of the patient's condition
gender	-1/0/1	Patient gender -1:Not filled 0:male 1:female
path	/	case path
patient_case_amount	/	Total number of cases

23.Pan/Tilt/Zoom/Focus Control

Set the control protocol.

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "client",
    "opt":"set_client_info",
    "data":{
        "protocol":7,
        "type":1,
        "ip":"192.168.1.167",
        "port":1259,
        "addr":1,
        "addr_fix":0
    }
}
```

Parameter	Value	Description
protocol	1/7/9	1:visca over ip 7:NDI Control 9:UVC Control
type	0/1	0:TCP 1:UDP
ip	/	visca over ip controlled ip
port	/	visca over ip port
addr	/	VISCA control address
addr_fix	0/1	0:off 1:on

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Pan/Tilt Control

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"pan_tilt",
    "data":
    {
        "pan_speed":10,
        "tilt_speed":10
    }
}
```

Parameter	Value	Description
pan_speed	-10 to 10	Adjust the speed and direction of pan 0: Speed is 0, no movement is performed. -10 to -1: Move rightward. The smaller the value, the faster the speed. 1 to 10: Move leftward. The larger the value, the faster the speed.
tilt_speed	-10 to 10	Adjust the speed and direction of tilt 0: Speed is 0, no movement is performed. -10 to -1: Move downwards. The smaller the value, the faster the speed. 1 to 10: Move upwards. The larger the value, the faster the speed.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Zoom Control

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"zoom",
    "data":
    {
        "zoom_speed":10
    }
}
```

Parameter	Value	Description
zoom_speed	-10 to 10	Adjust the speed and direction of zoom 0: Speed is 0, no zoom is performed. -10 to -1: Execute zoom-; the smaller the value, the faster the speed. 1 to 10: Execute zoom+, the higher the value, the faster the speed

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Go Home

Return to default position

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group": "ptz_ctrl",
    "opt": "gohome",
    "data":{
        "pan_speed":1,
        "tilt_speed":1,
        "zoom_speed":1
    }
}
```

Parameter	Value	Description
pan_speed	/	Note: This speed parameter is currently disabled.
tilt_speed	/	Note: This speed parameter is currently disabled.
zoom_speed	/	Note: This speed parameter is currently disabled.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Preset position settings

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"set_preset",
    "data":
    {
        "preset_id":1
    }
}
```

Parameter	Value	Description
preset_id	/	Preset ID that needs to be set. Note: When the protocol is NDI, “preset_id” has a range restriction [0-99].

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Preset position recall

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"recall_preset",
    "data":
    {
        "preset_id":257,
        "pan_speed":1,
        "tilt_speed":1,
        "zoom_speed":1
    }
}
```

Parameter	Value	Description
preset_id	/	Preset ID that needs to be called. Note: When the protocol is NDI, “preset_id” has a range restriction [0-99].
pan_speed	/	Note: This speed parameter is currently disabled.
tilt_speed	/	Note: This speed parameter is currently disabled.
tilt_speed	/	Note: This speed parameter is currently disabled.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Preset position deletion

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"clear_preset",
    "data":
    {
        "preset_id":5
    }
}
```

Parameter	Value	Description
preset_id	/	Preset ID that needs to be deleted. Note: NDI protocol does not support this feature

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Focus mode settings

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"set_focus_mode",
    "data":
    {
        "mode_id":0
    }
}
```

Parameter	Value	Description
mode_id	0/1/2	Focus mode 0: Auto focus 1: Manual focus 2: OnePush focus Note: This feature is only supported by the following protocols: Visca, ONVIF, NDI, Pelco D. Additionally, OnePush focus is exclusively compatible with the Visca protocol.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Focus mode acquisition

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"get_focus_mode"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "mode_id": 1
    }
}
```

Parameter	Value	Description
mode_id	0/1/2	Focus mode 0: Auto focus 1: Manual focus 2: OnePush focus

Focus control (continuous)

Device Supported: ZowieBox, ZowieBox-SDI, ZowieKBD

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"focus",
    "data":
    {
        "focus_speed":10
    }
}
```

Parameter	Value	Description
focus_speed	-10 to 10	Adjust the speed and direction of zoom 0: Speed is 0, no focusing is performed. -10 to -1: Execute Focus Far, the smaller the value, the faster the speed. 1 to 10: Execute Focus Near, the higher the value, the faster the speed. Note: Speed settings are not yet effective.

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

24. Temperature

Get CPU temperature

Device Supported: ZowieBox, ZowieBox-SDI

http://xxx.xxx.xxx/system?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "get_cpu_temp"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "temp": 79.5
    }
}
```

Parameter	Value	Description
temp	/	Actual CPU temperature of the device

25. UVC Control

Get the absolute Pan/Tilt values

Device Supported: ZowieBox, ZowieBox-SDI

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"get_pan_tilt_absolute"
}
```

Response(example):

```
{
    "rsp": "succeed",
```

```
    "status": "00000",
    "data": {
        "pan": {
            "status": 1,
            "pan_value": 0,
            "min_value": -612000,
            "max_value": 612000,
            "step": 1224
        },
        "tilt": {
            "status": 1,
            "tilt_value": 0,
            "min_value": -108000,
            "max_value": 324000,
            "step": 432
        }
    }
}
```

Parameter	Value	Description
pan_value	/	Current pan value
pan.min_value	/	Minimum settable pan value
pan.max_value	/	Maximum settable pan value
pan.step	/	pan step size
tilt_value	/	Current tilt value
tile.min_value	/	Minimum settable tilt value
tile.max_value	/	Maximum settable tilt value
tilt.step	/	tilt step size

Get the absolute Zoom values

Device Supported: ZowieBox, ZowieBox-SDI

http://xxx.xxx.xxx.xxx/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"get_zoom_absolute"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "zoom": {
            "status": 1,
            "zoom_value": 4912,
            "min_value": 0,
            "max_value": 4912,
            "step": 1
        }
    }
}
```


Parameter	Value	Description
zoom_value	/	Current zoom value
zoom.min_value	/	Minimum settable zoom value
zoom.max_value	/	Maximum settable zoom value
zoom.step	/	zoom step size

Set the absolute Pan/Tilt values

Device Supported: ZowieBox, ZowieBox-SDI

http://192.168.1.87/ptzctrl?option=transmit&login_check_flag=1

Body(example):


```
{
    "group":"ptz_ctrl",
    "opt":"pan_tilt_absolute",
    "data":
    {
        "pan_value":0,
        "tilt_value":663552
    }
}
```


Response(example):


```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Set the absolute Zoom values

Device Supported: ZowieBox, ZowieBox-SDI

http://192.168.1.87/ptzctrl?option=transmit&login_check_flag=1

Body(example):

```
{
    "group":"ptz_ctrl",
    "opt":"zoom_absolute",
    "data":
    {
        "zoom_value":200
    }
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

26.NAS

Add NAS Information

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/storage?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "nas",
    "opt": "nas_info_add",
    "data":{
        "name":"123",
        "nas_type":0,
        "remote_ip":"192.168.1.12",
        "share_dir":"userspace",
        "mount_options":"vers=3.0,username=,password="
    }
}
```

Parameter	Value	Description
name	/	Alias

Parameter	Value	Description
remote_ip	0	0:CIFS
share_dir	/	Mounting path
mount_options	/	Enter username and password

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Delete NAS Information

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/storage?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "nas",
    "opt": "nas_info_del",
    "data":{
        "index":0
    }
}
```

Parameter	Value	Description
index	/	NAS index

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Modify NAS information

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/storage?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "nas",
    "opt": "nas_info_modify",
    "data":{
        "index":1,
        "name":"123",
        "nas_type":0,
        "remote_ip":"192.168.1.3",
        "share_dir":"ydli",
        "mount_options":"username=ydli,password=1"
    }
}
```

Parameter	Value	Description
index	/	nas index
name	/	Alias
remote_ip	0	0:CIFS
share_dir	/	Mounting path
mount_options	/	Enter username and password

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Mount NAS

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/storage?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "nas",
    "opt": "nas_mount",
    "data":{
        "index":0
    }
}
```

Parameter	Value	Description
index	/	NAS index

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Unmount NAS

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/storage?option=setinfo&login_check_flag=1

Body(example):

```
{
    "group": "nas",
    "opt": "nas_umount",
    "data":{
        "index":0
    }
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Get NAS list

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/storage?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "nas",
    "opt": "get_nas_info_list"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": [
        {
            "index": 1,
            "switch": 0,
            "name": "123",
            "remote_ip": "192.168.1.3",
            "share_dir": "ydli",
            "mount_point": "/tmp/nas1",
            "nas_type": 0,
            "mount_options": "username=ydli,password=1",
            "status": 0
        },
        {
            "index": 2,
            "switch": 0,
            "name": "123",
            "remote_ip": "192.168.1.12",
            "share_dir": "userspace",
            "mount_point": "/tmp/nas1",
            "nas_type": 0,
            "mount_options": "vers=3.0,username=,password=",
            "status": 0
        }
    ]
}
```


Parameter	Value	Description
index	/	nas index:Used for operations such as deletion, mounting, and unmounting.
switch	0/1	0:umount 1: unmount
name	/	Alias
remote_ip	0	0:CIFS
share_dir	/	Mounting path
mount_options	/	Enter username and password
mount_point	/tmp/nas1	The path on the device
nas_type	0	CIFS

Parameter	Value	Description
status	0/1/2/3/4	0:umount 1:mounting 2:mounted 3:mount failed 4:unmounting

27. OSD

Get OSD Canvas Information

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=getinfo&login_check_flag=1

Body(example):

```
{
  "group": "osd_layout",
  "opt": "get_layout_all_outline"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": [
        {
            "id": 0,
            "name": "Canvas",
            "weight": 1920,
            "height": 1080,
            "switch": 0,
            "layout_status": 0
        }
    ]
}
```

Parameter	Value	Description
weight	/	OSD weight
height	/	OSD height
switch	0/1	0:off 1:on

Parameter	Value	Description
id	/	osd id

Add OSD Canvas

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "osd_layout",
  "opt": "layout_add",
  "data":{
      "name":"hello",
      "weight":1920,
      "height":1080
  }
}
```

Parameter	Value	Description
name	/	OSD name
weight	/	OSD weight
height	/	OSD height

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "layout_id": 0
}
```

Parameter	Value	Description
id	/	osd id

Turn on/off OSD

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "osd_layout",
  "opt": "set_layout_switch",
  "data":{
      "id":0,
      "switch":1
  }
}
```

Parameter	Value	Description
switch	0/1	0:off 1:on
id	/	osd id

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Add Image

Adding text to an OSD is similar to adding an image.

You need to save it as an image and then convert the image to base64.

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=setinfo&login_check_flag=1

Body(example):

```
  {
  "group": "resource",
  "opt": "resource_add",
  "data":{
      "layout_id": 0,
      "type": "image",
      "name": "Name",
      "img_base64":
"",
      "size": {
          "w": 1920,
          "h": 1080
      }
  }
  }
```

Parameter	Value	Description
layout_id	/	osd id
type	image	
name	/	image name
img_base64	/	image base 64
size.w	/	image height
size.h	/	image weight

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Get element information of specific canvas

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "osd_layout",
  "opt": "get_layout_info",
  "data":{
      "id":0
  }
}
```

Parameter	Value	Description
layout_id	/	osd id

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "id": 0,
        "switch": 0,
        "name": "hello",
```

```
        "weight": 1920,
        "height": 1080,
        "resource": [
            {
                "visible": 1,
                "name": "Name",
                "type": "image",
                "position": {
                    "x": 0,
                    "y": 0
                },
                "size": {
                    "w": 1920,
                    "h": 1080
                },
                "img_path": "files/appsconfig/0_4_85733.jpg",
                "layer": 0,
                "id": 4
            }
        ]
    }
}
```


Parameter	Value	Description
id	/	osd id
switch	0/1	0:off 1:on
weight	/	osd width
height	/	osd height
visible	0/1	0:invisible 1:visible
name	/	osd name
type	/	Element types
position	/	Element position
size	/	Element size
img_path	/	Element path
layer	/	Element layer:The smaller the number, the higher the level.
resource.id	/	Element id

Delete OSD

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "resource",
  "opt": "resource_del",
  "data":{
      "layout_id":1,
      "resource_id":0
  }
}
```

Parameter	Value	Description
layout_id	/	osd id
resource_id	/	element id

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

Modify element position

Please ensure that the element's position does not extend beyond the canvas.

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, ZowiePTZ, POVZoom

http://xxx.xxx.xxx.xxx/osd?option=setinfo&login_check_flag=1

Body(example):

```
{
  "group": "resource",
  "opt": "set_resource_position",
  "data":{
      "layout_id":0,
      "resource_id":0,
      "position":{
        "x":100,
        "y":100
      }
  }
}
```

Parameter	Value	Description
layout_id	/	osd id
resource_id	/	element id
x	/	The width of the distance from the top left corner of the image to the top left corner of the canvas
y	/	The height of the top left corner of the image from the top left corner of the canvas

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000"
}
```

28. FAN

Get Fan mode

Before use, please confirm whether the device supports fan mode adjustment according to the hardware version.

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, POVZoom

http://xxx.xxx.xxx.xxx/system?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "fan",
    "opt": "get_fan_mode"
}
```

Response(example):

```
{
    "rsp": "succeed",
    "status": "00000",
    "data": {
        "mode": 0
    }
}
```

Parameter	Value	Description
mode	0/1/2	0:Standard mode 1:Silent mode 2:Performance mode

Set Fan mode

Before use, please confirm whether the device supports fan mode adjustment according to the hardware version.

Device Supported: ZowieBox, ZowieBox-SDI, ZowieCam, POVZoom

http://xxx.xxx.xxx.xxx/system?option=getinfo&login_check_flag=1

Body(example):

```
{
    "group": "fan",
    "opt": "set_fan_mode",
    "data":{
        "mode":0
    }
}
```

Parameter	Value	Description
mode	0/1/2	0:Standard mode 1:Silent mode 2:Performance mode

Response(example):

```
{
    "status": "00000",
    "rsp": "succeed"
}
```

RESTful API Version History Template

Version 1.12

1.Add photo delete interface

Version 1.11

1.Add fan control and OSD position setting functions

Version 1.10

1.Add OSD related interfaces

Version 1.9

1.Add Nas related interfaces

Version 1.8

1.Add UVC control related interfaces

Version 1.7

1.Add SRT push streaming related interfaces

Version 1.4

1. Added interface for obtaining CPU temperature

Version 1.3

1. Added Chapter 23, Pan/Tilt/Zoom/Focus related control interfaces

Version 1.2

1. Add interfaces: patient addition and query, photo and video file query

Version 1.1

1. Added Chapter 20, Exposure related Interfaces