

# Foscam IPCamera CGI User Guide



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**History**

| Ver   | Auth         | Edit date  | Changes  |
|-------|--------------|------------|--|
| 1.0.0 | XiaoJinsheng | 2012-11-21 | V1.0.0   |
| 1.0.1 | Houzhen      | 2012-12-09 | Add the following CGI command to set PT startup position:<br>1) setPTZSelfTestMode<br>2) getPTZSelfTestMode<br>3) setPTZPrePointForSelfTest<br>4) getPTZPrePointForSelfTest  |
| 1.0.2 | XiaoJinsheng | 2013-01-29 | 1. Add a snap CGI(snapPicture2) which retrun jpeg image data directly but a image url<br>2. Add MotionJpeg stream support  |
| 1.0.3 | Houzhen      | 2013-6-5   | Check and Modify CGI command document  |
| 1.0.4 | Limaike      | 2013-6-8   | CGI command check  |
| 1.0.5 | Houzhen      | 2013-9-25  | 1.Add note for GetMJStream, defects of Firefox;<br>2.Modify Command:<br>setContrast、mirrorVideo、flipVideo、logIn、setSnapConfig 、 setPTZSpeed 、 setInfraLedConfig 、 setSubStreamFormat 、 setPortInfo、 getPortInfo;<br>3.Add command:<br>getLocalAlarmRecordConfig ;<br>setLocalAlarmRecordConfig;<br>getP2PEnable; setP2PEnable; getP2PPort ;<br>setP2PPort ; setOSDMask ; getOSDMask ;<br>getScheduleSnapConfig ;<br>setScheduleSnapConfig; |
| 1.0.6 | Houzhen      | 2013-12-12 | 1.Add command:<br>-changeUserNameAndPwdTogether;<br>-getPCAudioAlarmCfg;<br>-setPCAudioAlarmCfg;<br>-setH264FrmRefMode;<br>-getH264FrmRefMode;<br>-setCruiseTime;<br>-getCruiseTime;   |

|  |  |   |
|--|--|---|
|  |  | <p>-setSubVideoStreamParam;<br/>         -getSubVideoStreamParam;<br/>         -setCruiseTimeCustomed;<br/>         -getCruiseTimeCustomed;<br/>         -setCruiseLoopCnt;<br/>         -getCruiseLoopCnt;<br/>         -setCruiseCtrlMode;<br/>         -getCruiseCtrlMode;<br/>         -setCruisePrePointLingerTime;<br/>         -getCruisePrePointLingerTime;<br/>         -getScheduleRecordStreamChn;<br/>         -setScheduleRecordStreamChn;<br/>         -getProductModel;<br/>         -getProductModelName;<br/>         -getProductLanguage;<br/>         -getProductSensorType;<br/>         -getProductWifiType;<br/>         -getProductSdFlag;<br/>         -getProductOutdoorFlag;<br/>         -getProductPtFlag;<br/>         -getProductZoomFlag;<br/>         -getProductRs485Flag;<br/>         -getProductIoAlarmFlag;<br/>         -getProductOnvifFlag;<br/>         -getProductP2pFlag;<br/>         -getProductWpsFlag;<br/>         -getProductAudioFlag;<br/>         -getProductTalkFlag;<br/>         -getProductAppVer;<br/>         -getProductAllInfo;<br/>         -getGeneratePubKey;<br/>         -toolResetToFactory;<br/>         -setScheduleInfraLedConfig;<br/>         -getScheduleInfraLedConfig;<br/>         2.Modify Login error code-5、-7;</p> |
|--|--|---|

# General description

- Our device can only support authentication by pass user name or password attached at CGI request string currently.

For example:

`http://192.168.1.2/cgi-bin/CGIProxy.fcgi&usr=admin&pwd=123&cmd=ABC`

- We only support GET and POST method. Only importConfig and fwUpgrade can support POST method.

- The cgi request string must be encode in url format. URL encode rule:

The following chars will not be encoded:

`[A~Z] [a~z] [0~9] + @ * /`

The other chars will be encoded into hex format.

For example:

`http://192.168.1.6:88/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=getIPInfo`

will be encode to:

`http://192.168.1.6:88/cgi-bin/CGIProxy.fcgi?usr%3Dadmin%26pwd%3D%26cmd%3DgetIPInfo`

- cgi execute result

1) We orgnize the cgi execute result as xml format, for example:

```
<CGI_Result>
  <result>0</result>
  <isDHCP>1</isDHCP>
  <ip>192.168.1.8</ip>
  <gate>0.0.0.0</gate>
  <mask>255.255.255.0</mask>
  <dns1>0.0.0.0</dns1>
  <dns2>0.0.0.0</dns2>
</CGI_Result>
```

`<result></result>` means the common execute result

| value | mean                            |
|-------|---------------------------------|
| 0     | Success                         |
| -1    | CGI request string format error |
| -2    | Username or password error      |
| -3    | Access deny                     |
| -4    | CGI execute fail                |
| -5    | Timeout                         |
| -6    | Reserve                         |
| -7    | Unknown error                   |
| -8    | Reserve                         |



## AV Function

### getImageSetting

|           |   |         |
|-----------|---|---------|
| Function  | Get color attribute of video                              |         |
| privilege | visitor   |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getImageSetting                |         |
| Param     | None  |         |
| Return    | brightness  | 0~100   |
|           | contrast  | 0~100   |
|           | hue   | 0~100   |
|           | saturation  | 0~100   |
|           | sharpness   | 0~100   |
|           | denoiseLevel  | Not use |
| Note      |   |         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getImageSetting&usr=admin&pwd= |         |

### setBrightness

|           |   |       |
|-----------|---|-------|
| Function  | Set brightness of video   |       |
| privilege | admin   |       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setBrightness                              |       |
| Param     | brightness  | 0~100 |
| Return    | None  |       |
| Note      |   |       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setBrightness&brightness=50&usr=admin&pwd= |       |

### setContrast

|           |  |       |
|-----------|--|-------|
| Function  | Set contrast of video                  |       |
| privilege | admin                                  |       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setContrast |       |
| Param     | contrast                               | 0~100 |
| Return    | None                                   |       |
| Note      |  |       |

|         |  |
|---------|--|
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setContrast&constrast=50&usr=admin&pwd= |
|---------|--|

## setHue

|           |   |       |
|-----------|---|-------|
| Function  | Set hue of video  |       |
| privilege | admin   |       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setHue                       |       |
| Param     | hue   | 0~100 |
| Return    | None  |       |
| Note      |   |       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setHue&hue=50&usr=admin&pwd= |       |

## setSaturation

|           |   |       |
|-----------|---|-------|
| Function  | Set saturation of video   |       |
| privilege | admin   |       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSaturation                              |       |
| Param     | saturation  | 0~100 |
| Return    | None  |       |
| Note      |   |       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setSaturation&saturation=50&usr=admin&pwd= |       |

## setSharpness

|           |   |       |
|-----------|---|-------|
| Function  | Set sharpness of video  |       |
| privilege | admin   |       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSharpness                             |       |
| Param     | sharpness   | 0~100 |
| Return    | None  |       |
| Note      |   |       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setSharpness&sharpness=50&usr=admin&pwd= |       |

## resetImageSetting

|           |   |
|-----------|---|
| Function  | Reset color parameters to default value                     |
| privilege | admin   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=resetImageSetting                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=resetImageSetting&usr=admin&pwd= |

## getMirrorAndFlipSetting

|           |   |               |
|-----------|---|---------------|
| Function  | Get mirror and flip attribute of video                            |               |
| privilege | visitor   |               |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getMirrorAndFlipSetting                |               |
| Param     | None  |               |
| Return    | isMirror  | 0 Not mirred  |
|           |   | 1 Mirred      |
|           | isFlip  | 0 Not filpped |
|           |   | 1 Flipped     |
| Note      |   |               |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getMirrorAndFlipSetting&usr=admin&pwd= |               |

## mirrorVideo

|           |  |              |
|-----------|--|--------------|
| Function  | Mirror video   |              |
| privilege | admin  |              |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=mirrorVideo                           |              |
| Param     | isMirror   | 0 Not mirror |
|           |  | 1 Mirror     |
| Return    | None   |              |
| Note      |  |              |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=mirrorVideo&isMirror=1&usr=admin&pwd= |              |

## flipVideo

|           |  |            |
|-----------|--|------------|
| Function  | Flip video   |            |
| privilege | admin  |            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=flipVideo                         |            |
| Param     | isFlip   | 0 Not flip |
|           |  | 1 Flip     |
| Return    | None   |            |
| Note      |  |            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=flipVideo&isFlip=1&usr=admin&pwd= |            |

## getH264FrmRefMode

|           |   |  |
|-----------|---|--|
| Function  | Get frame shipping reference mode of H264 encode stream     |  |
| privilege | visitor   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getH264FrmRefMode                |  |
| Param     | None  |  |
| Return    | mode  | 0 Normal reference mode                            |
|           |   | 1 Two frames are separated by four skipping frames |
| Note      |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getH264FrmRefMode&usr=admin&pwd= |  |

## setH264FrmRefMode

|           |  |  |
|-----------|--|--|
| Function  | Set frame shipping reference mode of H264 encode stream                |  |
| privilege | admin  |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setH264FrmRefMode                           |  |
| Param     | mode   | 0 Normal reference mode                            |
|           |  | 1 Two frames are separated by four skipping frames |
| Return    | None   |  |
| Note      |  |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setH264FrmRefMode&mode=0&usr=admin<br>&pwd= |  |

## getScheduleRecordStreamChn

|           |  |               |
|-----------|--|---------------|
| Function  | Get stream channel for schedule record                               |               |
| privilege | visitor  |               |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getScheduleRecordStreamChn                |               |
| Param     | None   |               |
| Return    | chn  | 0 main stream |
|           |  | 1 sub stream  |
| Note      |  |               |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getScheduleRecordStreamChn&usr=admin&pwd= |               |

## setScheduleRecordStreamChn

|           |  |               |
|-----------|--|---------------|
| Function  | Set stream channel for schedule record                                     |               |
| privilege | admin  |               |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setScheduleRecordStreamChn                      |               |
| Param     | chn  | 0 main stream |
|           |  | 1 sub stream  |
| Return    | None   |               |
| Note      |  |               |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setScheduleRecordStreamChn&chn=0&usr=admin&pwd= |               |

## setPwrFreq

|           |   |        |
|-----------|---|--------|
| Function  | Set power freq of sensor                                    |        |
| privilege | admin   |        |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setPwrFreq                       |        |
| Param     | freq  | 0 60HZ |
|           |   | 1 50HZ |
| Return    | None  |        |
| Note      |   |        |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setPwrFreq&freq=0&usr=admin&pwd= |        |

## getVideoStreamParam

|           |   |   |
|-----------|---|---|
| Function  | Get video stream param  |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getVideoStreamParam                |   |
| Param     | None  |   |
| Return    | resolutionN   | Resolution of stream type N               |
|           | bitRateN  | Bit rate of stream type N (20480~2097152) |
|           | frameRateN  | Frame rate of stream type N               |
|           | GOPN  | P frames between I frame of stream type N |
|           | isVBRN  | Not in use currently                      |
| Note      | N means streamType [0~3]                                      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getVideoStreamParam&usr=admin&pwd= |   |

## setVideoStreamParam

|           |   |  |
|-----------|---|--|
| Function  | Set the video stream param of stream N  |  |
| privilege | admin   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setVideoStreamParam  |  |
| Param     | streamType  | 0~3  |
|           | resolution  | Resolution of stream type N  |
|           | bitRate   | Bit rate of stream type N (20480~2097152)  |
|           | frameRate   | Frame rate of stream type N  |
|           | GOP   | P frames between I frame of stream type N<br>The suggest value is: X * frameRate |
|           | isVBR   | Not in use currently   |
| Return    | None  |  |
| Note      |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setVideoStreamParam&streamType=0&resolution=0&bitRate=2097152&frameRate=30&GOP=30&isVBR=0&usr=admin&pwd= |  |

## getSubVideoStreamParam

|           |  |   |
|-----------|--|---|
| Function  | Get sub video stream param                                       |   |
| privilege | visitor  |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getSubVideoStreamParam                |   |
| Param     | None   |   |
| Return    | resolutionN  | Resolution of stream type N               |
|           | bitRateN   | Bit rate of stream type N (20480~2097152) |
|           | frameRateN   | Frame rate of stream type N               |
|           | GOPN   | P frames between I frame of stream type N |
|           | isVBRN   | Not in use currently                      |
| Note      | N means streamType [0~3]   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getSubVideoStreamParam&usr=admin&pwd= |   |

## setSubVideoStreamParam

|           |  |  |
|-----------|--|--|
| Function  | Set the sub video stream param of stream N   |  |
| privilege | admin  |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSubVideoStreamParam  |  |
| Param     | streamType   | 0~3  |
|           | resolution   | Resolution of stream type N  |
|           | bitRate  | Bit rate of stream type N (20480~2097152)  |
|           | frameRate  | Frame rate of stream type N  |
|           | GOP  | P frames between I frame of stream type N<br>The suggest value is: X * frameRate |
|           | isVBR  | Not in use currently   |
| Return    | None   |  |
| Note      |  |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setSubVideoStreamParam&streamType=0&resolution=0&bitRate=2097152&frameRate=30&GOP=30&isVBR=0&usr=admin&pwd= |  |

## getMainVideoStreamType

|           |  |                     |
|-----------|--|---------------------|
| Function  | Get the stream type of main stream                                     |                     |
| privilege | visitor  |                     |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getMainVideoStreamType                      |                     |
| Param     | None   |                     |
| Return    | streamType   | The stream type 0~3 |
| Note      |  |                     |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getMainVideoStreamType&usr=admin&pwd=<br>d= |                     |

## getSubVideoStreamType

|           |  |                     |
|-----------|--|---------------------|
| Function  | Get the stream type of sub stream                                    |                     |
| privilege | visitor  |                     |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getSubVideoStreamType                     |                     |
| Param     | None   |                     |
| Return    | streamType   | The stream type 0~3 |
| Note      |  |                     |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getSubVideoStreamType&usr=admin&pwd=<br>= |                     |

## setMainVideoStreamType

|           |   |                     |
|-----------|---|---------------------|
| Function  | Set the stream type of main stream  |                     |
| privilege | admin   |                     |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setMainVideoStreamType                             |                     |
| Param     | streamType  | The stream type 0~3 |
| Return    | None  |                     |
| Note      |   |                     |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setMainVideoStreamType&streamType=0&usr=admin&pwd= |                     |

## setSubStreamFormat

|          |                                     |
|----------|-------------------------------------|
| Function | Set the stream format of sub stream |
|----------|-------------------------------------|



|           |   |   |            |
|-----------|---|---|------------|
| privilege | admin   |   |            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSubVideoStream 统一   |   |            |
| Param     | format  | 0 | H264       |
|           |   | 1 | MotionJpeg |
| Return    | None  |   |            |
| Note      | Our device can only support 2 streams:Main stream for PC access and Sub stream for mobile access, but someone need a MJ stream to embed their camera into a webpage, in this case, we should set sub stream format to Motion Jpeg, and then you can get MJ stream by command: /cgi-bin/CGIStream.cgi?cmd=GetMJStream, but when you login as a sub stream user, the stream data will be same as main stream. |   |            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setSubStreamFormat&format=0&usr=admin&pwd=   |   |            |

## GetMJStream

|           |   |
|-----------|---|
| Function  | Get motion jpeg stream  |
| privilege | visitor   |
| Usage     | /cgi-bin/CGIStream.cgi?cmd=GetMJStream  |
| Param     | None  |
| Return    | Motion jpeg stream data   |
| Note      | <p>1) Motion jpeg stream data is returned from http server by a serverpush mode</p> <p>2) MJ stream is VGA resolution @ 15fps</p> <p>3) For some version of Firefox browse, the Firefox will crash when use "GetMJStream" CGI to get mjstream long time. This problem is due to the browse has some defects, it can not parse data correctly and directly. In order to fix this problem, we should as follows:</p> <p>A. Create a .txt empty document, such as "MJ.txt".</p> <p>B.Input the content into you .txt document, as follows:</p> <pre>&lt;html&gt;   &lt;body&gt;     &lt;img src="http://192.168.1.102:99/cgi-bin/CGIStream.cgi?cmd=GetMJStream&amp;usr=admi n&amp;pwd="/&gt;   &lt;/body&gt; &lt;/html&gt;</pre> <p><b>Note: please change the ip\port\usr\pwd to yourself;</b></p> <p>C. Rename your .txt to .html, such as "MJ.html".</p> <p>D. Open you r.html by Firefox, and enjoy your MJStream-video;</p> |

|         |   |
|---------|---|
| Example | /cgi-bin/CGIStream.cgi?cmd=GetMJStream&usr=admin&pwd= |
|---------|---|

## getOSDSetting

|           |   |   |
|-----------|---|---|
| Function  | Get OSD config  |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getOSDSetting                |   |
| Param     | None  |   |
| Return    | isEnabledTimeStamp                                      | Time stamp will display on screen or not      |
|           | isEnabledDevName  | Camera name will display on screen or not     |
|           | dispPos   | OSD display position, currently can only be 0 |
|           | isEnabledOSDMask  | Is OSD mask effective                         |
| Note      |   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getOSDSetting&usr=admin&pwd= |   |

## setOSDSetting

|           |  |   |
|-----------|--|---|
| Function  | Set OSD config   |   |
| privilege | admin  |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setOSDSetting   |   |
| Param     | isEnabledTimeStamp   | Time stamp will display on screen or not      |
|           | isEnabledDevName   | Camera name will display on screen or not     |
|           | dispPos  | OSD display position, currently can only be 0 |
|           | isEnabledOSDMask   | Is OSD mask effective                         |
| Return    | None   |   |
| Note      |  |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setOSDSetting&isEnabledTimeStamp=1&isEnabledDevName=1&dispPos=0&isEnabledOSDMask=0&usr=admin&pwd= |   |

## getOsdMaskArea

|           |   |                                   |
|-----------|---|-----------------------------------|
| Function  | Get OSD mask area info                    |                                   |
| privilege | visitor                                   |                                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getOsdMaskArea |                                   |
| Param     | None                                      |                                   |
| Return    | x1_N                                      | The top left X position of mask N |
|           | y1_N                                      | The top left Y position of mask N |

|         |  |                                       |
|---------|--|---------------------------------------|
|         | x2_N   | The bottom right X position of mask N |
|         | y2_N   | The bottom right Y position of mask N |
| Note    | Our device can only support 4 mask areas                 |                                       |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getOsdMaskArea&usr=admin&pwd= |                                       |

## setOsdMaskArea

|           |  |                                       |
|-----------|--|---------------------------------------|
| Function  | Set OSD mask area info   |                                       |
| privilege | admin  |                                       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setOsdMaskArea  |                                       |
| param     | x1_N   | The top left X position of mask N     |
|           | y1_N   | The top left Y position of mask N     |
|           | x2_N   | The bottom right X position of mask N |
|           | y2_N   | The bottom right Y position of mask N |
| Resturn   | None   |                                       |
| Note      | Our device can only support 4 mask areas   |                                       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setOsdMaskArea&x1_0=100&y1_0=100&x2_0=200&y2_0=200&x1_1=0&y1_1=0&x2_1=0&y2_1=0&x1_2=0&y1_2=0&x2_2=0&y2_2=0&x1_3=0&y1_3=0&x2_3=0&y2_3=0&usr=admin&pwd= |                                       |

## getOSDMask

|           |  |                     |
|-----------|--|---------------------|
| Function  | Get OSD mask status                                  |                     |
| privilege | visitor  |                     |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getOSDMask                |                     |
| Param     | None   |                     |
| Return    | isEnableOSDMask                                      | 0-Disable, 1-Enable |
| Note      |  |                     |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getOSDMask&usr=admin&pwd= |                     |

## setOSDMask

|           |                                       |                     |
|-----------|---------------------------------------|---------------------|
| Function  | Set OSD mask status                   |                     |
| privilege | admin                                 |                     |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setOSDMask |                     |
| Param     | isEnableOSDMask                       | 0-Disable, 1-Enable |
| Return    | None                                  |                     |

|         |   |
|---------|---|
| Note    |   |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setOSDMask&isEnabledOSDMask=1&usr=admin&pwd= |

## getMotionDetectConfig

|                 |   |   |                   |
|-----------------|---|---|-------------------|
| Function        | Get motion detect config  |   |                   |
| privilege       | visitor   |   |                   |
| Usage           | /cgi-bin/CGIProxy.fcgi?cmd=getMotionDetectConfig  |   |                   |
| Param           | None  |   |                   |
| Return          | isEnabled   | Is enable motion detect alarm                         |                   |
|                 | linkage   | Motion alarm linkage<br>( bit3   bit2   bit1   bit0 ) | bit0:Ring         |
|                 |   |   | bit1:Send mail    |
|                 |   |   | bit2:Snap picture |
|                 |   |   | bit3:Record       |
|                 | snapInterval  | The interval time to snap picture again               |                   |
|                 | sensitivity   | Motion detect sensitivity                             | 0 : Low           |
|                 |   |   | 1: Normal         |
|                 |   |   | 2: High           |
| 3: Lower        |   |   |                   |
| 4: Lowest       |   |   |                   |
| triggerInterval | The time of which motion detect alarm can trigger again when a motion detection has happened.   |   |                   |
| scheduleN       | The motion alarm schedule of one week,<br>N = 0(Monday) ~6(Sunday)<br>For detail, see *1 bellow   |   |                   |
| areaN           | The area info of row N<br>For detail, see *2 bellow   |   |                   |
| Note            | <ul style="list-style-type: none"> <li>·Video region is divided into 10*10 sub areasideo region is divided into 10*10 sub areas</li> <li>·The min unit of schedule is half an hour</li> </ul> |   |                   |
| Example         | /cgi-bin/CGIProxy.fcgi?cmd=getMotionDetectConfig&usr=admin&pwd=   |   |                   |

## setMotionDetectConfig

|           |                          |
|-----------|--------------------------|
| Function  | Set motion detect config |
| privilege | admin                    |

|                 |   |   |                   |
|-----------------|---|---|-------------------|
| Usage           | /cgi-bin/CGIProxy.fcgi?cmd=setMotionDetectConfig  |   |                   |
| Param           | isEnabled   | Is enable motion detect alarm                         |                   |
|                 | linkage   | Motion alarm linkage<br>( bit3   bit2   bit1   bit0 ) | bit0:Ring         |
|                 |   |   | bit1:Send mail    |
|                 |   |   | bit2:Snap picture |
|                 |   |   | bit3:Record       |
|                 | snapInterval  | The interval time to snap picture again               |                   |
|                 | sensitivity   | Motion detect<br>sensitivity                          | 0 : Low           |
|                 |   |   | 1: Normal         |
|                 |   |   | 2: High           |
| 3: Lower        |   |   |                   |
| 4: Lowest       |   |   |                   |
| triggerInterval | The time of which motion detect alarm can trigger again when a motion detection has happened.   |   |                   |
| scheduleN       | The motion alarm schedule of one week,<br>N = 0(Monday) ~6(Sunday)<br>For detail, see *1 bellow   |   |                   |
| areaN           | The area info of row N<br>For detail, see *2 bellow   |   |                   |
| Return          | None  |   |                   |
| Note            | <ul style="list-style-type: none"> <li>·Video region is divided into 10*10 sub areas</li> <li>·The min unit of schedule is half an hour</li> </ul>  |   |                   |
| Example         | /cgi-bin/CGIProxy.fcgi?cmd=setMotionDetectConfig&isEnabled=1&linkage=16&snapInterval=2&sensitivity=1&triggerInterval=5&schedule0=1024&schedule1=1024&schedule2=1024&schedule3=1024&schedule4=1024&schedule5=1024&schedule6=1024&area0=1024&area1=1024&area2=1024&area3=1024&area4=1024&area5=1024&area6=1024&area7=1024&area7=1024&area8=1024&area9=1024&usr=admin&pwd= |   |                   |

\*1 schedule bitmap

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |

...

- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

|  |  |  |  |  |  |  |  |  |  |
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|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |

Sunday

Each grid of a row presents half of an hour of one day. For example, 40 presents 20:00 ~20:30.

The bit 40 set to "1" means the motion detection is effective between 20:00 to 20:30

### \*2 area bitmap

| bit0 | bit1 | bit2 | bit3 | bit4 | bit5 | bit6 | bit7 | bit8 | bit9 |       |
|------|------|------|------|------|------|------|------|------|------|-------|
|      |      |      |      |      |      |      |      |      |      | area0 |
|      |      |      |      |      |      |      |      |      |      | area1 |
|      |      |      |      |      |      |      |      |      |      | area2 |
|      |      |      |      |      |      |      |      |      |      | area3 |
|      |      |      |      |      |      |      |      |      |      | area4 |
|      |      |      |      |      |      |      |      |      |      | area5 |
|      |      |      |      |      |      |      |      |      |      | area6 |
|      |      |      |      |      |      |      |      |      |      | area7 |
|      |      |      |      |      |      |      |      |      |      | area8 |
|      |      |      |      |      |      |      |      |      |      | area9 |

The video region is divided into 10\*10 sub areas, bit0 above present the first area, when this bit is set to "1", it means motion detection is effective on this area.

## setLocalAlarmRecordConfig

|           |   |                |         |
|-----------|---|----------------|---------|
| Function  | Set local alarm-record config   |                |         |
| privilege | admin   |                |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setLocalAlarmRecordConfig  |                |         |
| Param     | isEnabledLocalAlarmRecord   | 0              | Disable |
|           |   | 1              | Enable  |
|           | localAlarmRecordSecs  | Recording time |         |
| Return    | None  |                |         |
| Note      |   |                |         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setLocalAlarmRecordConfig&isEnabledLocalAlarmRecord=1&localAlarmRecordSecs=30&usr=admin&pwd= |                |         |

## getLocalAlarmRecordConfig

|           |  |
|-----------|--|
| Function  | Get local alarm-record config                        |
| privilege | visitor  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getLocalAlarmRecordConfig |

|         |   |                |         |
|---------|---|----------------|---------|
| Param   | None  |                |         |
| Return  | isEnabledLocalAlarmRecord   | 0              | Disable |
|         |   | 1              | Enable  |
|         | localAlarmRecordSecs  | Recording time |         |
| Note    |   |                |         |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getLocalAlarmRecordConfig&usr=admin&pwd= |                |         |

## getSnapConfig

|           |   |   |                 |
|-----------|---|---|-----------------|
| Function  | Get snap config   |   |                 |
| privilege | visitor   |   |                 |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getSnapSetting               |   |                 |
| Param     | None  |   |                 |
| Return    | snapPicQuality  | 0 | Low quality     |
|           |   | 1 | Normal quality  |
|           |   | 2 | High quality    |
|           | saveLocation  | 0 | Save to sd card |
|           |   | 1 | Not in use now  |
|           |   | 2 | Upload to FTP   |
| Note      |   |   |                 |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getSnapConfig&usr=admin&pwd= |   |                 |

## setSnapConfig

|           |   |   |                 |
|-----------|---|---|-----------------|
| Function  | Set snap config   |   |                 |
| privilege | admin   |   |                 |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSnapSetting                             |   |                 |
| Param     | snapPicQuality  | 0 | Low quality     |
|           |   | 1 | Normal quality  |
|           |   | 2 | High quality    |
|           | saveLocation  | 0 | Save to sd card |
|           |   | 1 | Not in use now  |
|           |   | 2 | Upload to FTP   |
| Return    | None  |   |                 |
| Note      |   |   |                 |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setSnapConfig&snapPicQuality=1&saveLocatio |   |                 |

|                    |
|--------------------|
| n=2&usr=admin&pwd= |
|--------------------|

## getScheduleSnapConfig

|           |   |   |
|-----------|---|---|
| Function  | Get schedule snap config  |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getScheduleSnapConfig                |   |
| Param     | None  |   |
| Return    | isEnabled   | Is enable motion detect alarm   |
|           | snapInterval  | The interval time to snap picture again   |
|           | scheduleN   | The motion alarm schedule of one week,<br>N = 0(Monday) ~6(Sunday)<br>For detail, see *1 bellow |
| Note      | ·The min unit of schedule is half an hour                       |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getScheduleSnapConfig&usr=admin&pwd= |   |

## setScheduleSnapConfig

|           |   |   |
|-----------|---|---|
| Function  | Set schedule snap config  |   |
| privilege | admin   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setScheduleSnapConfig  |   |
| Param     | isEnabled   | Is enable snap  |
|           | snapInterval  | The interval time to snap picture again   |
|           | scheduleN   | The motion alarm schedule of one week,<br>N = 0(Monday) ~6(Sunday)<br>For detail, see *1 bellow |
| Return    | None  |   |
| Note      | ·The min unit of schedule is half an hour   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setScheduleSnapConfig&isEnabled=1&snapInterval=2&schedule0=1024&schedule1=1024&schedule2=1024&schedule3=1024&schedule4=1024&schedule5=1024&schedule6=1024&usr=admin&pwd= |   |

\*1 schedule bitmap

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |

...

Monday  
Tuesday  
Wednesday  
Thursday



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|  |  |  |  |  |  |  |  |

Friday  
Saturday  
Sunday

Each grid of a row presents half of an hour of one day. For example, 40 presents 20:00 ~20:30.

The bit 40 set to "1" means the snap is effective between 20:00 to 20:30

## snapPicture

|           |  |
|-----------|--|
| Function  | Manual snap picture  |
| privilege | visitor  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=snapPicture   |
| Param     | None   |
| Return    | We will return a html script directly:<br><pre>&lt;html&gt;&lt;body&gt;&lt;img src="._/snapPic/20121121-215939.jpg"/&gt;&lt;/body&gt;&lt;/html&gt;</pre> |
| Note      | Picture resolution is the same as main stream resolution   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=snapPicture&usr=admin&pwd=  |

## snapPicture2

|           |  |
|-----------|--|
| Function  | Manual snap picture                                    |
| privilege | visitor  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=snapPicture2                |
| Param     | None   |
| Return    | Jpeg image data  |
| Note      | This command will return jpeg image data directly      |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=snapPicture2&usr=admin&pwd= |

## getRecordList

|           |  |                         |
|-----------|--|-------------------------|
| Function  | Get snap config                          |                         |
| privilege | visitor                                  |                         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getRecordList |                         |
| Param     | recordPath                               | Record path             |
|           | startTime                                | Start time for research |

|         |   |                            |
|---------|---|----------------------------|
|         | endTime   | End time for research      |
|         | recordType  | Recort type                |
|         | startNo   | Start no                   |
| Return  | totalCnt  | Total record count         |
|         | curCnt  | Current record count       |
|         | recordN   | N(0-9), Record information |
| Note    |   |                            |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getRecordList&usr=admin&pwd= |                            |

## getAlarmRecordConfig

|           |  |                      |
|-----------|--|----------------------|
| Function  | Get alarm record config  |                      |
| privilege | visitor  |                      |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getAlarmRecordConfig                |                      |
| Param     | None   |                      |
| Return    | isEnabledPreRecord   | Preview record state |
|           | preRecordSecs  | Preview record time  |
|           | alarmRecordSecs  | Alarm record time    |
| Note      |  |                      |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getAlarmRecordConfig&usr=admin&pwd= |                      |

## setAlarmRecordConfig

|           |  |                      |
|-----------|--|----------------------|
| Function  | Set alarm record config  |                      |
| privilege | admin  |                      |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setAlarmRecordConfig  |                      |
| Param     | isEnabledPreRecord   | Preview record state |
|           | preRecordSecs  | Preview record time  |
|           | alarmRecordSecs  | Alarm record time    |
| Return    | Set result(0-success,-1-error)   |                      |
| Note      |  |                      |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setAlarmRecordConfig&usr=admin&pwd=&isEnabledPreRecord=1&preRecordSecs=5&alarmRecordSecs=30 |                      |

## setIOAlarmConfig

|           |  |                                  |                   |
|-----------|--|----------------------------------|-------------------|
| Function  | Set IO alarm config  |                                  |                   |
| privilege | admin  |                                  |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setIOAlarmConfig  |                                  |                   |
| Param     | isEnabled  | Enable state                     |                   |
|           | linkage  | IO alarm linkage                 | bit0:Ring         |
|           |  |                                  | bit1:Send mail    |
|           |  |                                  | bit2:Snap picture |
|           |  |                                  | bit3:Record       |
|           | alarmLevel   | Alarm level                      |                   |
|           | snapInterval   | Interval for snap picture        |                   |
|           | triggerInterval  | Interval for trigger alarm again |                   |
| scheduleN | N(0-6), alarm schedule   |                                  |                   |
| Return    | Set result(0-success,-1-error)   |                                  |                   |
| Note      |  |                                  |                   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setIOAlarmConfig&usr=admin&pwd=&isEnabled=1&linkage=16&snapInterval=2&alarmLevel=1&triggerInterval=5&schedule0=1024&schedule1=1024&schedule2=1024&schedule3=1024&schedule4=1024&schedule5=1024&schedule6=1024 |                                  |                   |

## getIOAlarmConfig

|           |   |                                  |                   |
|-----------|---|----------------------------------|-------------------|
| Function  | Get IO alarm config                         |                                  |                   |
| privilege | admin                                       |                                  |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getIOAlarmConfig |                                  |                   |
| Param     | None  |                                  |                   |
| Return    | isEnabled                                   | Enable state                     |                   |
|           | linkage                                     | IO alarm linkage                 | bit0:Ring         |
|           |   |                                  | bit1:Send mail    |
|           |   |                                  | bit2:Snap picture |
|           |   |                                  | bit3:Record       |
|           | alarmLevel                                  | Alarm level                      |                   |
|           | snapInterval                                | Interval for snap picture        |                   |
|           | triggerInterval                             | Interval for trigger alarm again |                   |
| 1         |   |                                  |                   |

|         |  |                        |
|---------|--|------------------------|
|         | scheduleN  | N(0-6), alarm schedule |
| Note    |  |                        |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getIOAlarmConfig&usr=admin&pwd= |                        |

## clearIOAlarmOutput

|           |  |  |
|-----------|--|--|
| Function  | Clean IO alarm output  |  |
| privilege | admin  |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=clearIOAlarmOutput                |  |
| Param     | None   |  |
| Return    | None   |  |
| Note      |  |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=clearIOAlarmOutput&usr=admin&pwd= |  |

## setPCAudioAlarmCfg

|           |   |              |
|-----------|---|--------------|
| Function  | Set audio alarm config for PC (web live video)                                      |              |
| privilege | admin   |              |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setPCAudioAlarmCfg                                       |              |
| Param     | isEnablePCAudioAlarm  | Enable state |
| Return    | Set result(0-success,-1-error)  |              |
| Note      |   |              |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setPCAudioAlarmCfg&usr=admin&pwd=&isEnablePCAudioAlarm=1 |              |

## getPCAudioAlarmCfg

|           |  |              |
|-----------|--|--------------|
| Function  | Get audio alarm config for PC (web live video)               |              |
| privilege | visitor  |              |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getPCAudioAlarmCfg                |              |
| Param     | None   |              |
| Return    | isEnablePCAudioAlarm   | Enable state |
| Note      |  |              |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getPCAudioAlarmCfg&usr=admin&pwd= |              |

## getMultiDevList

|           |   |                            |
|-----------|---|----------------------------|
| Function  | Get multi device list                                     |                            |
| privilege | admin   |                            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getMultiDevList                |                            |
| Param     | None  |                            |
| Return    | devN  | N(0-8), device information |
| Note      |   |                            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getMultiDevList&usr=admin&pwd= |                            |

## getMultiDevDetailInfo

|           |   |             |
|-----------|---|-------------|
| Function  | Get multi device information                                    |             |
| privilege | admin   |             |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getMultiDevDetailInfo                |             |
| Param     | chnnl   | Channel no  |
| Return    | productType   | Device type |
|           | ip  | Device IP   |
|           | port  | Web port    |
|           | mediaPort   | Media port  |
|           | userName  | User name   |
|           | passWord  | Password    |
|           | devName   | Device name |
| Note      |   |             |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getMultiDevDetailInfo&usr=admin&pwd= |             |

## addMultiDev

|           |  |             |
|-----------|--|-------------|
| Function  | Add multiy device                      |             |
| privilege | admin                                  |             |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=addMultiDev |             |
| Param     | chnnl                                  | Channel no  |
|           | productType                            | Device type |
|           | ip                                     | Device Ip   |
|           | port                                   | Web port    |
|           | mediaPort                              | Media port  |
|           | userName                               | User name   |

|         |   |             |
|---------|---|-------------|
|         | passWord  | Password    |
|         | devName   | Device name |
| Return  | Add result(0-success,-1-error)  |             |
| Note    |   |             |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=addMultiDev&usr=admin&pwd=&chnnl=2&product<br>Type=H264&ip=192.168.1.3&port=88&mediaPort=88&userName=admin&pass<br>Word=&devName=FI9805W |             |

## delMultiDev

|           |   |            |
|-----------|---|------------|
| Function  | Delete multiy device  |            |
| privilege | admin   |            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=delMultiDev                        |            |
| Param     | chnnl   | Channel no |
| Return    | Delete result(0-success,-1-error)                             |            |
| Note      |   |            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=delMultiDev&usr=admin&pwd=&chnnl=2 |            |

## User account

### addAccount

|           |   |               |          |  |
|-----------|---|---------------|----------|--|
| Function  | Add user account  |               |          |  |
| privilege | admin   |               |          |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=addAccount   |               |          |  |
| Param     | usrName   | user name     |          |  |
|           | usrPwd  | user password |          |  |
|           | privilege   | 0             | Visitor  |  |
|           |   | 1             | Operator |  |
| 2         |   | Administrator |          |  |
| Return    | None  |               |          |  |
| Note      |   |               |          |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=addAccount&usrName=test&usrPwd=test&privile<br>ge=0&usr=admin&pwd= |               |          |  |

## delAccount

|           |   |           |
|-----------|---|-----------|
| Function  | Delete user account   |           |
| privilege | admin   |           |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=delAccount                             |           |
| Param     | usrName   | user name |
| Return    | None  |           |
| Note      |   |           |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=delAccount&usrName=test&usr=admin&pwd= |           |

## changePassword

|           |   |                                      |
|-----------|---|--------------------------------------|
| Function  | Change password   |                                      |
| privilege | visitor   |                                      |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=changePassword   |                                      |
| Param     | usrName   | The user you want to change password |
|           | oldPwd  | old password                         |
|           | newPwd  | new password                         |
| Return    | None  |                                      |
| Note      | Admin can change every user's password, visitor and operator can only change their own password |                                      |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=changePassword&usrName=admin&oldPwd=&newPwd=test&usr=admin&pwd=      |                                      |

## changeUserName

|           |   |                                  |
|-----------|---|----------------------------------|
| Function  | Change user name  |                                  |
| privilege | visitor   |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=changeUserName   |                                  |
| Param     | usrName   | The user you want to change name |
|           | newUsrName  | The new user name                |
| Return    | None  |                                  |
| Note      | Admin can change every user's name, visitor and operator can only change their own name |                                  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=changeUserName&usrName=admin&                                |                                  |

|  |                                   |
|--|-----------------------------------|
|  | newUsrName=newname&usr=admin&pwd= |
|--|-----------------------------------|

## changeUserNameAndPwdTogether

|           |   |                                  |
|-----------|---|----------------------------------|
| Function  | Change user name and password together  |                                  |
| privilege | visitor   |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=changeUserNameAndPwdTogether   |                                  |
| Param     | usrName   | The user you want to change name |
|           | newUsrName  | New user name                    |
|           | oldPwd  | old password                     |
|           | newPwd  | new password                     |
| Return    | None  |                                  |
| Note      | Admin can change every user's name, visitor and operator can only change their own name                                       |                                  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=changeUserNameAndPwdTogether&usrName=admin&newUsrName=newname&oldPwd=&newPwd=newpwd&usr=admin&pwd= |                                  |

## login

|           |                                   |   |                       |
|-----------|-----------------------------------|---|-----------------------|
| Function  | User log in to camera             |   |                       |
| privilege | visitor                           |   |                       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd= login |   |                       |
| Param     | usrName                           | User name   |                       |
|           | remoteIp                          | Access IP   |                       |
|           | groupId                           | An id use to distinguish different users,can be set to current cpu tick |                       |
|           | pwd                               | password  |                       |
| Return    | loginResult                       | 0   | Login success         |
|           |                                   | -1  | Parameter check error |
|           |                                   | -2  | Exceed max user       |
|           |                                   | -4  | User not exist        |
|           |                                   | -5  | Password              |
|           |                                   | -6  | Password error        |
|           |                                   | -7  | Access deny           |
|           |                                   | -8  | Already login         |



|         |  |   |               |
|---------|--|---|---------------|
|         | privilege  | 0 | Visitor       |
|         |  | 1 | Operator      |
|         |  | 2 | Administrator |
| Note    |  |   |               |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=logIn&usrName=admin&remoteIp=192.168.1.12&groupId=673982479&pwd=&usr=admin&pwd= |   |               |

## logOut

|           |  |   |  |
|-----------|--|---|--|
| Function  | User log out to camera   |   |  |
| privilege | visitor  |   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=logOut  |   |  |
| Param     | usrName  | User name   |  |
|           | ip   | Access IP   |  |
|           | groupId  | An id use to distinguish different users,can be set to current cpu tick |  |
| Return    | logOutResult   |   |  |
| Note      |  |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=logOut&usrName=admin&ip=192.168.1.12&groupId=673982479&usr=admin&pwd= |   |  |

## getSessionList

|           |  |                        |  |
|-----------|--|------------------------|--|
| Function  | Get current session list of the camera                   |                        |  |
| privilege | visitor  |                        |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getSessionList                |                        |  |
| Param     | None   |                        |  |
| Return    | usrCnt   | session count          |  |
|           | usrN   | User name of session N |  |
| Note      |  |                        |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getSessionList&usr=admin&pwd= |                        |  |

## getUserList

|           |                                     |  |  |
|-----------|-------------------------------------|--|--|
| Function  | Get user account list of the camera |  |  |
| privilege | visitor                             |  |  |

|         |   |                         |
|---------|---|-------------------------|
| Usage   | /cgi-bin/CGIProxy.fcgi?cmd=getUserList                |                         |
| Param   | None  |                         |
| Return  | usrCnt  | User count              |
|         | usrN  | User name of accnount N |
| Note    |   |                         |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getUserList&usr=admin&pwd= |                         |

## usrBeatHeart

|           |  |   |
|-----------|--|---|
| Function  | user checks connection with camera   |   |
| privilege | visitor  |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=usrBeatHeart  |   |
| Param     | usrName  | User name   |
|           | remotelp   | Access IP   |
|           | groupId  | An id use to distinguish different users,can be set to current cpu tick |
| Return    | checkResult(0-success,-1-error)  |   |
| Note      |  |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=usrBeatHeart&usrName=admin&ip=192.168.1.13<br>&groupId=673982479&usr=admin&pwd= |   |

## PTZ Control

### ptzMoveUp

|           |   |
|-----------|---|
| Function  | Move up   |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveUp                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveUp&usr=admin&pwd= |

## ptzMoveDown

|           |   |
|-----------|---|
| Function  | Move down   |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveDown                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveDown&usr=admin&pwd= |

## ptzMoveLeft

|           |   |
|-----------|---|
| Function  | Move to left  |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveLeft                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveLeft&usr=admin&pwd= |

## ptzMoveRight

|           |  |
|-----------|--|
| Function  | Move to right  |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveRight                |
| Param     | None   |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveRight&usr=admin&pwd= |

## ptzMoveTopLeft

|           |   |
|-----------|---|
| Function  | Move to top left                          |
| privilege | operator                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopLeft |
| Param     | None                                      |

|         |  |
|---------|--|
| Return  | None   |
| Note    |  |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopLeft&usr=admin&pwd= |

## ptzMoveTopRight

|           |   |
|-----------|---|
| Function  | Move to top right   |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopRight                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopRight&usr=admin&pwd= |

## ptzMoveBottomLeft

|           |   |
|-----------|---|
| Function  | Move to bottom left   |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomLeft                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomLeft&usr=admin&pwd= |

## ptzMoveBottomRight

|           |  |
|-----------|--|
| Function  | Move to bottom right   |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomRight                |
| Param     | None   |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomRight&usr=admin&pwd= |

## ptzStopRun

|          |             |
|----------|-------------|
| Function | Stop run PT |
|----------|-------------|

|           |  |
|-----------|--|
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzStopRun                |
| Param     | None   |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzStopRun&usr=admin&pwd= |

## ptzReset

|           |  |
|-----------|--|
| Function  | Reset PT to default position                       |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzReset                |
| Param     | None   |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzReset&usr=admin&pwd= |

## getPTZSpeed

|           |   |   |              |
|-----------|---|---|--------------|
| Function  | Get the speed of PT                                   |   |              |
| privilege | visitor   |   |              |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getPTZSpeed                |   |              |
| Param     | None  |   |              |
| Return    | speed   | 0 | Very slow    |
|           |   | 1 | Slow         |
|           |   | 2 | Normal speed |
|           |   | 3 | Fast         |
|           |   | 4 | Very fast    |
| Note      |   |   |              |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getPTZSpeed&usr=admin&pwd= |   |              |

## setPTZSpeed

|           |  |
|-----------|--|
| Function  | Set the speed of PT                    |
| privilege | operator                               |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setPTZSpeed |

|         |   |   |              |
|---------|---|---|--------------|
| Param   | speed   | 0 | Very slow    |
|         |   | 1 | Slow         |
|         |   | 2 | Normal speed |
|         |   | 3 | Fast         |
|         |   | 4 | Very fast    |
| Return  | None  |   |              |
| Note    |   |   |              |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setPTZSpeed&speed=2&usr=admin&pwd= |   |              |

## getPTZPresetPointList

|           |  |                            |
|-----------|--|----------------------------|
| Function  | Get all preset point   |                            |
| privilege | visitor  |                            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getPTZPresetPointList   |                            |
| Param     | None   |                            |
| Return    | cnt  | Current preset point count |
|           | pointN   | The name of point N        |
| Note      | Our device can support at most 16 preset point<br>We have 4 point default: LeftMost\RightMost\TopMost\BottomMost |                            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getPTZPresetPointList&usr=admin&pwd=  |                            |

## ptzAddPresetPoint

|           |  |                   |
|-----------|--|-------------------|
| Function  | Add preset point   |                   |
| privilege | admin  |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzAddPresetPoint                               |                   |
| Param     | name   | Preset point name |
| Return    | None   |                   |
| Note      | The preset point position is current PT position                           |                   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzAddPresetPoint&name=test&usr=admin&pwd=<br>= |                   |

## ptzDeletePresetPoint

|           |   |  |
|-----------|---|--|
| Function  | Delete preset point by name                     |  |
| privilege | admin   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzDeletePresetPoint |  |

|         |  |                   |
|---------|--|-------------------|
| Param   | name   | Preset point name |
| Return  | None   |                   |
| Note    |  |                   |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=ptzDeletePresetPoint&name=test&usr=admin&pwd= |                   |

## ptzGotoPresetPoint

|           |   |                   |
|-----------|---|-------------------|
| Function  | Goto preset position  |                   |
| privilege | operator  |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzGotoPresetPoint                               |                   |
| Param     | name  | Preset point name |
| Return    | None  |                   |
| Note      |   |                   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzGotoPresetPoint&name=test&usr=admin&pwd=<br>= |                   |

## ptzGetCruiseMapList

|           |   |                                |
|-----------|---|--------------------------------|
| Function  | Get all cruise map list   |                                |
| privilege | visitor   |                                |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapList  |                                |
| Param     | None  |                                |
| Return    | cnt   | Current cruise map point count |
|           | mapN  | The name of map N              |
| Note      | Our device can support at most 8 cruise map<br>We have 2 maps default:Horizontal/Vertical |                                |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapList&usr=admin&pwd=                             |                                |

## ptzGetCruiseMapInfo

|           |  |                        |         |
|-----------|--|------------------------|---------|
| Function  | Get the detail info of a cruise map by name    |                        |         |
| privilege | visitor  |                        |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapInfo |                        |         |
| Param     | name   | Name of the cruise map |         |
| Return    | getResult                                      | 0                      | Success |

|         |   |  |      |
|---------|---|--|------|
|         |   | -1                                       | Fail |
|         | pointN  | The preset point name of this cruise map |      |
| Note    | Our device can support at most 8 preset point one cruise map                  |  |      |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapInfo&name=Horizontal&usr=admin&pwd= |  |      |

## ptzSetCruiseMap

|           |   |                            |
|-----------|---|----------------------------|
| Function  | Add a cruise map  |                            |
| privilege | admin   |                            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzSetCruiseMap  |                            |
| Param     | name  | Name of the cruise map     |
|           | pointN  | The name of preset point N |
| Return    | None  |                            |
| Note      | Our device can support at most 8 preset point one cruise map  |                            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzSetCruiseMap&name=test&point0=test0&point1=test1&point2=test2&point3=test3&point4=test4&point5=test5&point6=&point7=&usr=admin&pwd= |                            |

## ptzDelCruiseMap

|           |   |                        |
|-----------|---|------------------------|
| Function  | Delete a cruise map   |                        |
| privilege | admin   |                        |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzDelCruiseMap                          |                        |
| Param     | name  | Name of the cruise map |
| Return    | None  |                        |
| Note      |   |                        |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzDelCruiseMap&name=test&usr=admin&pwd= |                        |

## ptzStartCruise

|           |   |                        |
|-----------|---|------------------------|
| Function  | Start a specificate cruise                |                        |
| privilege | operator                                  |                        |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzStartCruise |                        |
| Param     | mapName                                   | Name of the cruise map |
| Return    | None                                      |                        |
| Note      |   |                        |



|         |   |
|---------|---|
| Example | /cgi-bin/CGIProxy.fcgi?cmd=ptzStartCruise&mapName=test&usr=admin&pwd= |
|---------|---|

## ptzStopCruise

|           |   |
|-----------|---|
| Function  | Start current cruise                                    |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=ptzStopCruise                |
| Param     | None  |
| Return    | None  |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=ptzStopCruise&usr=admin&pwd= |

## setCruiseTime

|           |  |
|-----------|--|
| Function  | Set time for continue cruise                                   |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseTime                       |
| Param     | time      Time for continue cruise                             |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseTime&time=5&usr=admin&pwd= |

## getCruiseTime

|           |   |
|-----------|---|
| Function  | Set time for continue cruise                            |
| privilege | visitor   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getCuriseTime                |
| Param     |   |
| Return    | time      Time for continue cruise                      |
| Note      |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getCuriseTime&usr=admin&pwd= |

## setCruiseTimeCustomed

|           |  |
|-----------|--|
| Function  | Set time for continue cruise by costomer         |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseTimeCustomed |

|         |   |                                   |
|---------|---|-----------------------------------|
| Param   | time  | Customed time for continue cruise |
|         | customed  | Customed enable state-0-no,1-yes  |
| Return  | None  |                                   |
| Note    |   |                                   |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseTimeCustomed&time=5&customed=1&usr=admin&pwd= |                                   |

## getCruiseTimeCustomed

|           |   |                                   |
|-----------|---|-----------------------------------|
| Function  | Set time for continue cruise by costomer                        |                                   |
| privilege | visitor   |                                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getCuriseTimeCustomed                |                                   |
| Param     |   |                                   |
| Return    | time  | Customed time for continue cruise |
|           | customed  | Customed enable state-0-no,1-yes  |
| Note      |   |                                   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getCuriseTimeCustomed&usr=admin&pwd= |                                   |

## setCruiseLoopCnt

|           |  |                            |
|-----------|--|----------------------------|
| Function  | Set counts for continue cruise                                     |                            |
| privilege | operator   |                            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseLoopCnt                        |                            |
| Param     | count  | Counts for continue cruise |
| Return    | None   |                            |
| Note      |  |                            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseLoopCnt&count=5&usr=admin&pwd= |                            |

## getCruiseLoopCnt

|           |  |                            |
|-----------|--|----------------------------|
| Function  | Set counts for continue cruise                             |                            |
| privilege | visitor  |                            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getCruiseLoopCnt                |                            |
| Param     |  |                            |
| Return    | count  | Counts for continue cruise |
| Note      |  |                            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getCruiseLoopCnt&usr=admin&pwd= |                            |

## setCruiseCtrlMode

|           |  |  |
|-----------|--|--|
| Function  | Set control mode for continue cruise, by time or count             |  |
| privilege | operator   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseCtrlMode                       |  |
| Param     | mode   | Control mode-0:by time,1:by loop count |
| Return    | None   |  |
| Note      |  |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setCruiseCtrlMode&mode=0&usr=admin&pwd= |  |

## getCruiseCtrlMode

|           |   |  |
|-----------|---|--|
| Function  | Get control mode for continue cruise, by time or count      |  |
| privilege | visitor   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getCruiseCtrlMode                |  |
| Param     |   |  |
| Return    | mode  | Control mode-0:by time,1:by loop count |
| Note      |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getCruiseCtrlMode&usr=admin&pwd= |  |

## setCruisePrePointLingerTime

|           |  |                        |
|-----------|--|------------------------|
| Function  | Set linger time for cruise,when pt arrive prepoint   |                        |
| privilege | operator   |                        |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setCruisePrepointLingerTime   |                        |
| Param     | name   | Cruise map name        |
|           | timeN  | Time for each prepoint |
| Return    | None   |                        |
| Note      | N:[0-7],max number of prepoints in cruise  |                        |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setCruisePrepointLingerTime&name=123&time0=0&time1=1&time2=2&time3=3&time4=4&time5=5&time6=6&time7=7&usr=admin&pwd= |                        |

## getCruisePrePointLingerTime

|           |  |  |
|-----------|--|--|
| Function  | Set linger time for cruise,when pt arrive prepoint |  |
| privilege | visitor  |  |

|         |  |                        |
|---------|--|------------------------|
| Usage   | /cgi-bin/CGIProxy.fcgi?cmd=getCruisePrepointLingerTime                         |                        |
| Param   | name   | Cruise map name        |
| Return  | timeN  | Time for each prepoint |
| Note    | N:[0-7],max number of prepoints in cruise                                      |                        |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getCruisePrepointLingerTime&name=123&usr=admin&pwd= |                        |

## zoomIn

|           |  |
|-----------|--|
| Function  | Zoom in  |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=zoomIn                |
| Param     | None   |
| Return    | None   |
| Note      | Only supported by the device has zoom lens       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=zoomIn&usr=admin&pwd= |

## zoomOut

|           |   |
|-----------|---|
| Function  | Zoom out  |
| privilege | operator  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=zoomOut                |
| Param     | None  |
| Return    | None  |
| Note      | Only supported by the device has zoom lens        |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=zoomOut&usr=admin&pwd= |

## zoomStop

|           |  |
|-----------|--|
| Function  | Stop zoom run                                      |
| privilege | operator   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=zoomStop                |
| Param     | None   |
| Return    | None   |
| Note      | Only supported by the device has zoom lens         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=zoomStop&usr=admin&pwd= |

## getZoomSpeed

|           |  |   |        |
|-----------|--|---|--------|
| Function  | Get the speed of Zoom                                  |   |        |
| privilege | visitor  |   |        |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getZoomSpeed                |   |        |
| Param     | None   |   |        |
| Return    | speed  | 0 | Slow   |
|           |  | 1 | Normal |
|           |  | 2 | Fast   |
| Note      | Only supported by the device has zoom lens             |   |        |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getZoomSpeed&usr=admin&pwd= |   |        |

## setZoomSpeed

|           |  |   |        |
|-----------|--|---|--------|
| Function  | Set the speed of PTZ   |   |        |
| privilege | operator   |   |        |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setZoomSpeed                        |   |        |
| Param     | speed  | 0 | Slow   |
|           |  | 1 | Normal |
|           |  | 2 | Fast   |
| Return    | None   |   |        |
| Note      | Only supported by the device has zoom lens                     |   |        |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setZoomSpeed&usr=admin&pwd=&speed=1 |   |        |

## setPTZSelfTestMode

|           |   |   |  |
|-----------|---|---|--|
| Function  | Set the selftest mode of PTZ  |   |  |
| privilege | operator  |   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd= setPTZSelfTestMode                      |   |  |
| Param     | mode  | 0 | No selftest  |
|           |   | 1 | Normal selftest  |
|           |   | 2 | After normal selftest, then goto presetpoint-appointed |
| Return    | None  |   |  |
| Note      | Only supported by ipc that can enable ptz-selftest                  |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=setPTZSelfTestMode&mode=2 |   |  |

## getPTZSelfTestMode

|           |  |   |  |
|-----------|--|---|--|
| Function  | Get the selftest mode of PTZ                                 |   |  |
| privilege | visitor  |   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd= getPTZSelfTestMode               |   |  |
| Param     | None   |   |  |
| Return    | mode   | 0 | No selftest  |
|           |  | 1 | Normal selftest  |
|           |  | 2 | After normal selftest, then goto presetpoint-appointed |
| Return    | None   |   |  |
| Note      | Only supported by ipc that can enable ptz-selftest           |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=getPTZSelfTestMode |   |  |

## setPTZPrePointForSelfTest

|           |  |                   |
|-----------|--|-------------------|
| Function  | Set presetpoint for selftest of PTZ  |                   |
| privilege | operator   |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd= setPTZPrePointForSelfTest                            |                   |
| Param     | name   | Preset point name |
| Return    | None   |                   |
| Note      | Only supported by ipc that can enable ptz-selftest-2                             |                   |
| Example   | /cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=setPTZPrePointForSelfTest&name=TopMost |                   |

## getPTZPrePointForSelfTest

|           |   |                   |
|-----------|---|-------------------|
| Function  | Get the presetpoint for selftest of PTZ                             |                   |
| privilege | visitor   |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd= getPTZPrePointForSelfTest               |                   |
| Param     | None  |                   |
| Return    | name  | Preset point name |
| Note      | Only supported by ipc that can enable ptz-selftest                  |                   |
| Example   | /cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=getPTZPrePointForSelfTest |                   |

## set485Info

|           |  |           |
|-----------|--|-----------|
| Function  | Set informations of 485  |           |
| privilege | operator   |           |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=set485Info  |           |
| Param     | rs485Protocol  | Protocol  |
|           | rs485Addr  | Address   |
|           | rs485Baud  | Baud rate |
|           | rs485DataBit   | DataBit   |
|           | rs485StopBit   | StopBit   |
|           | rs485Check   | Parity    |
| Return    | None   |           |
| Note      | Only supported by ipc that can enable 485  |           |
| Example   | /cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=set485Info&rs485Protocol=0&rs485Addr=1&rs485Baud=1200&rs485DataBit=7&rs485StopBit=1&rs485Check=0 |           |

## get485Info

|           |  |           |
|-----------|--|-----------|
| Function  | Get informations of 485                              |           |
| privilege | Visitor  |           |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=get485Info                |           |
| Param     | None   |           |
| Return    | rs485Protocol  | Protocol  |
|           | rs485Addr  | Address   |
|           | rs485Baud  | Baud rate |
|           | rs485DataBit   | DataBit   |
|           | rs485StopBit   | StopBit   |
|           | rs485Check   | Parity    |
| Note      | Only supported by ipc that can enable 485            |           |
| Example   | /cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=get485Info |           |

## Network

### getIPInfo

|           |   |   |
|-----------|---|---|
| Function  | Get IP Info   |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getIPInfo                |   |
| Param     | None  |   |
| Return    | isDHCP  | Obtain ip from dhcp server or not                   |
|           | ip  | ip address(Can only support ipv4 yet)               |
|           | gate  | gateway("0.0.0.0" when use dhcp)                    |
|           | mask  | subnet mask   |
|           | dns1  | The first dns server addr("0.0.0.0" when use dhcp)  |
|           | dns2  | The second dns server addr("0.0.0.0" when use dhcp) |
| Note      |   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getIPInfo&usr=admin&pwd= |   |

### setIPInfo

|           |  |                                       |
|-----------|--|---------------------------------------|
| Function  | Set IP Info  |                                       |
| privilege | admin  |                                       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setIPInfo   |                                       |
| Param     | isDHCP   | Obtain ip from dhcp server or not     |
|           | ip   | ip address(Can only support ipv4 yet) |
|           | gate   | gateway                               |
|           | mask   | subnet mask                           |
|           | dns1   | The first dns server addr             |
|           | dns2   | The second dns server addr            |
| Return    | None   |                                       |
| Note      | System will <b>reboot</b> automatically to take effect after call this CGI command   |                                       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setIPInfo&isDHCP=0&ip=192.168.1.88&gate=192.168.1.1&mask=255.255.255.0&dns1=192.168.1.1&dns2=192.168.1.1&usr=admin&pwd= |                                       |



## refreshWifiList

|           |  |  |
|-----------|--|--|
| Function  | Start scan the aps around  |  |
| privilege | admin  |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=refreshWifiList   |  |
| Param     | None   |  |
| Return    | None   |  |
| Note      | This operation may takes a while, about 20 seconds or above, the other operation on this device will be blocked during the period. |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=refreshWifiList&usr=admin&pwd=  |  |

## getWifiList

|             |   |  |           |                       |  |
|-------------|---|--|-----------|-----------------------|--|
| Function    | Get the aps around after refreshWifiList                        |  |           |                       |  |
| privilege   | admin   |  |           |                       |  |
| Usage       | /cgi-bin/CGIProxy.fcgi?cmd=getWifiList                          |  |           |                       |  |
| Param       | startNo   | The start NO of the ap list you want to get.<br>For example:The are 30 aps around you, you want to look at the last ten aps, then startNo=20 |           |                       |  |
| Return      | totalCnt  | Total count of aps   |           |                       |  |
|             | curCnt  | Current aps count  |           |                       |  |
|             | apN   | The detail info of ap N<br>Format:<br>ssid+mac+quality+isEncrypt+encryptType   | ssid      | AP name               |  |
|             |   |  | mac       | AP's mac address      |  |
|             |   |  | quality   | Signal quality(0~100) |  |
|             |   |  | isEncrypt | Encrypt or not        |  |
| encryptType |   |  | 0         | Open mode             |  |
|             | 1   | WEP  |           |                       |  |
|             | 2   | WPA  |           |                       |  |
|             | 3   | WPA2   |           |                       |  |
|             | 4   | WPA/WPA2   |           |                       |  |
| Note        | Only 10 aps will be returned one time                           |  |           |                       |  |
| Example     | /cgi-bin/CGIProxy.fcgi?cmd=getWifiList&startNo=0&usr=admin&pwd= |  |           |                       |  |

## setWifiSetting

|          |                 |
|----------|-----------------|
| Function | Set wifi config |
|----------|-----------------|

|           |  |                     |                          |  |
|-----------|--|---------------------|--------------------------|--|
| privilege | admin  |                     |                          |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setWifiSetting  |                     |                          |  |
| Param     | isEnabled  | Enable state        |                          |  |
|           | isUseWifi  | Use wifi or not     |                          |  |
|           | ssid   | AP name             |                          |  |
|           | netType  | 0                   | Infra net                |  |
|           |  | 1                   | Ad-hoc Not supported yet |  |
|           | encryptType  | 0                   | Open mode                |  |
|           |  | 1                   | WEP                      |  |
|           |  | 2                   | WPA                      |  |
|           |  | 3                   | WPA2                     |  |
|           |  | 4                   | WPA/WPA2                 |  |
|           | psk  | The psk of WPA WPA2 |                          |  |
|           | authMode   | 0                   | Open mode                |  |
|           |  | 1                   | Shared key               |  |
|           |  | 2                   | Auto mode                |  |
|           | keyFormat  | 0                   | ASIC                     |  |
|           |  | 1                   | Hex                      |  |
|           | defaultKey   | 1~4                 |                          |  |
|           | key1   |                     |                          |  |
|           | key2   |                     |                          |  |
|           | key3   |                     |                          |  |
| key4      |  |                     |                          |  |
| key1Len   | 64 or 128  |                     |                          |  |
| key2Len   | 64 or 128  |                     |                          |  |
| key3Len   | 64 or 128  |                     |                          |  |
| key4Len   | 64 or 128  |                     |                          |  |
| Return    | None   |                     |                          |  |
| Note      | Camera will not connect to AP unless you enject your cable   |                     |                          |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setWifiSetting&isEnabled=1&isUseWifi=1&ssid=fostar_soft&netType=0&encryptType=4&psk=software&authMode=0&keyFormat=0&defaultKey=1&key1=&key2=&key3=&key4=&key1Len=64&key2Len=64&key3Len=64&key4Len=64&usr=admin&pwd= |                     |                          |  |

## getWifiConfig

|          |                 |
|----------|-----------------|
| Function | Get wifi config |
|----------|-----------------|

|           |  |                     |            |
|-----------|--|---------------------|------------|
| privilege | admin  |                     |            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getWifiConfig                   |                     |            |
| Param     | None   |                     |            |
| Return    | isEnabled  | Enable state        |            |
|           | isUseWifi  | Use wifi or not     |            |
|           | isConnected  | Connected state     |            |
|           | connectedAp  | Connected ap        |            |
|           | ssid   | AP name             |            |
|           | encryptType  | 0                   | Open mode  |
|           |  | 1                   | WEP        |
|           |  | 2                   | WPA        |
|           |  | 3                   | WPA2       |
|           |  | 4                   | WPA/WPA2   |
|           | psk  | The psk of WPA WPA2 |            |
|           | authMode   | 0                   | Open mode  |
|           |  | 1                   | Shared key |
|           |  | 2                   | Auto mode  |
|           | keyFormat  | 0                   | ASIC       |
|           |  | 1                   | Hex        |
|           | defaultKey   | 1~4                 |            |
|           | key1   |                     |            |
|           | key2   |                     |            |
|           | key3   |                     |            |
| key4      |  |                     |            |
| key1Len   | 64 or 128  |                     |            |
| key2Len   | 64 or 128  |                     |            |
| key3Len   | 64 or 128  |                     |            |
| key4Len   | 64 or 128  |                     |            |
| Return    | None   |                     |            |
| Note      | Camera will not connect to AP unless you enject your cable |                     |            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getWifiConfig&usr=admin&pwd=    |                     |            |

## getPortInfo

|          |  |
|----------|--|
| Function | Get http port and media port of camera |
|----------|--|

|           |   |                                  |
|-----------|---|----------------------------------|
| privilege | visitor   |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getPortInfo  |                                  |
| Param     | None  |                                  |
| Return    | webPort   | http port(default value is 88)   |
|           | httpsPort   | https port(default value is 443) |
|           | mediaPort   | media port(default value is 88)  |
|           | onvifPort   | Onvif Port(default value is 888) |
| Note      | .You can call this CGI command without usr or pwd section<br>.onvifPort param only for onvif camera, the camra which does not has onvif function does not have this param |                                  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getPortInfo&usr=admin&pwd=   |                                  |

## setPortInfo

|           |   |                                  |
|-----------|---|----------------------------------|
| Function  | Set http port and media port of camera  |                                  |
| privilege | admin   |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getPortInfo  |                                  |
| Param     | webPort   | http port(default value is 88)   |
|           | mediaPort   | media port(default value is 88)  |
|           | httpsPort   | https port(default value is 443) |
|           | onvifPort   | Onvif Port(default value is 888) |
| Return    | None  |                                  |
| Note      | .Re login is needed after call this CGI command<br>.onvifPort param only for onvif camera, the camra which does not has onvif function does not have this param |                                  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setPortInfo&webPort=88&mediaPort=88&httpsPort=443&onvifPort=888&usr=admin&pwd=   |                                  |

## getUPnPConfig

|           |   |                         |
|-----------|---|-------------------------|
| Function  | Get UpnP config   |                         |
| privilege | visitor   |                         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getUPnPConfig                |                         |
| Param     | None  |                         |
| Return    | isEnabled   | is Enable UpnP function |
| Note      |   |                         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getUPnPConfig&usr=admin&pwd= |                         |

## setUPnPConfig

|           |   |                         |
|-----------|---|-------------------------|
| Function  | Set UpnP config   |                         |
| privilege | admin   |                         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setUPnPConfig                            |                         |
| Param     | isEnabled   | is Enable UpnP function |
| Return    | None  |                         |
| Note      |   |                         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setUPnPConfig&isEnabled=1&usr=admin&pwd= |                         |

## getDDNSConfig

|             |   |                       |              |
|-------------|---|-----------------------|--------------|
| Function    | Get DDNS config   |                       |              |
| privilege   | visitor   |                       |              |
| Usage       | /cgi-bin/CGIProxy.fcgi?cmd=getDDNSConfig                |                       |              |
| Param       | None  |                       |              |
| Return      | isEnabled   | is Enable DDNS update |              |
|             | hostName  | DDNS domain           |              |
|             | ddnsServer  | 0                     | Factory DDNS |
|             |   | 1                     | Oray         |
|             |   | 2                     | 3322         |
|             |   | 3                     | no-ip        |
|             |   | 4                     | dyndns       |
|             | user  | user name             |              |
| password    | password  |                       |              |
| factoryDDNS | factory ddns  |                       |              |
| Note        |   |                       |              |
| Example     | /cgi-bin/CGIProxy.fcgi?cmd=getDDNSConfig&usr=admin&pwd= |                       |              |

## setDDNSConfig

|           |  |                       |
|-----------|--|-----------------------|
| Function  | Set DDNS config                          |                       |
| privilege | admin                                    |                       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setDDNSConfig |                       |
| Param     | isEnabled                                | is Enable DDNS update |
|           | hostName                                 | DDNS domain           |
|           | ddnsServer                               | 0      Factory DDNS   |

|         |   |           |        |
|---------|---|-----------|--------|
|         |   | 1         | Oray   |
|         |   | 2         | 3322   |
|         |   | 3         | no-ip  |
|         |   | 4         | dyndns |
|         | user  | user name |        |
|         | password  | password  |        |
| Return  | None  |           |        |
| Note    | This command can only be used to set the third party ddns   |           |        |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setDDNSConfig&isEnabled=1&hostName=test.dyn<br>dns.org&ddnsServer=4&user=test&password=test&usr=admin&pwd= |           |        |

## setFtpConfig

|           |   |   |           |  |
|-----------|---|---|-----------|--|
| Function  | Set FTP config  |   |           |  |
| privilege | admin   |   |           |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setFtpConfig   |   |           |  |
| Param     | ftpAddr   | FTP server address, you can contain sub directory in it |           |  |
|           | ftpPort   | FTP port  |           |  |
|           | mode  | 0   | PASV mode |  |
|           |   | 1   | PORT mode |  |
|           | userName  | user name   |           |  |
|           | password  | password  |           |  |
| Return    | None  |   |           |  |
| Note      |   |   |           |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setFtpConfig&ftpAddr=ftp://192.168.1.2/sbuDir&ft<br>pPort=21&mode=0&userName=test&password=test&usr=admin&pwd= |   |           |  |

## getFtpConfig

|           |   |   |           |  |
|-----------|---|---|-----------|--|
| Function  | Get FTP config                          |   |           |  |
| privilege | visitor                                 |   |           |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getFtpConfig |   |           |  |
| Param     | None                                    |   |           |  |
| Param     | ftpAddr                                 | FTP server address, you can contain sub directory in it |           |  |
|           | ftpPort                                 | FTP port  |           |  |
|           | mode                                    | 0   | PASV mode |  |
|           |   | 1   | PORT mode |  |

|         |  |           |
|---------|--|-----------|
|         | userName   | user name |
|         | password   | password  |
| Note    |  |           |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getFtpConfig&usr=admin&pwd= |           |

## testFtpServer

|           |  |   |           |  |
|-----------|--|---|-----------|--|
| Function  | Test FTP server  |   |           |  |
| privilege | visitor  |   |           |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=testFtpServer   |   |           |  |
| Param     | ftpAddr  | FTP server address, you can contain sub directory in it |           |  |
|           | ftpPort  | FTP port  |           |  |
|           | mode   | 0   | PASV mode |  |
|           |  | 1   | PORT mode |  |
|           | userName   | user name   |           |  |
| password  | password   |   |           |  |
| Return    | testResult   | 0   | Success   |  |
|           |  | -1  | Fail      |  |
| Note      |  |   |           |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=testFtpServer&ftpAddr=ftp://192.168.1.2/sbuDir&ftpPort=21&mode=0&userName=test&password=test&usr=admin&pwd= |   |           |  |

## getSMTPConfig

|           |  |                               |          |  |
|-----------|--|-------------------------------|----------|--|
| Function  | Get mail config                          |                               |          |  |
| privilege | visitor                                  |                               |          |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getSMTPConfig |                               |          |  |
| Param     | None                                     |                               |          |  |
| Return    | isEnabled                                | is enable camera send mail?   |          |  |
|           | server                                   | SMTP server address           |          |  |
|           | port                                     | smtp port                     |          |  |
|           | isNeedAuth                               | Need auth user account or not |          |  |
|           | tls                                      | 0                             | None     |  |
|           |  | 1                             | TLS      |  |
|           |  | 2                             | STARTTLS |  |
|           | user                                     | user name                     |          |  |
| password  | password                                 |                               |          |  |

|         |   |  |
|---------|---|--|
|         | sender  |  |
|         | reciever  | Use “,” between 2 senders, for exapler:<br>aaa@123.com,bbb@456.com |
| Note    |   |  |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getSMTPConfig&usr=admin&pwd= |  |

## setSMTPConfig

|           |  |                               |          |
|-----------|--|-------------------------------|----------|
| Function  | Get mail config  |                               |          |
| privilege | admin  |                               |          |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSMTPConfig   |                               |          |
| Param     | isEnabled  | is enable camera send mail?   |          |
|           | server   | SMTP server address           |          |
|           | port   | smtp port                     |          |
|           | isNeedAuth   | Need auth user account or not |          |
|           | tls  | 0                             | None     |
|           |  | 1                             | TLS      |
|           |  | 2                             | STARTTLS |
|           | user   | user name                     |          |
|           | password   | password                      |          |
|           | sender   |                               |          |
| reciever  | Use “,” between 2 senders, for exapler:<br>aaa@123.com,bbb@456.com   |                               |          |
| Return    | None   |                               |          |
| Note      |  |                               |          |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setSMTPConfig&isEnabled=1&server=smtp.gmail.com&port=587&isNeedAuth=1&user=test&password=test&send=test@gmail.com&reciever=aa@123.com,bb@456.com&usr=admin&pwd= |                               |          |

## smtpTest

|           |                                     |                               |
|-----------|-------------------------------------|-------------------------------|
| Function  | Test mail setting                   |                               |
| privilege | admin                               |                               |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=smtpTest |                               |
|           | smtpServer                          | SMTP server address           |
|           | port                                | smtp port                     |
|           | isNeedAuth                          | Need auth user account or not |



|         |  |           |          |
|---------|--|-----------|----------|
|         | tls  | 0         | None     |
|         |  | 1         | TLS      |
|         |  | 2         | STARTTLS |
|         | user   | user name |          |
|         | password   | password  |          |
| Return  | testResult   | 0         | Success  |
|         |  | -1        | Fail     |
| Note    | You must call setSMTPConfig firstly.<br>We will send a test mail to all receivers  |           |          |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=smtptest&smtptestServer=smtptest.gmail.com&port=587<br>&isNeedAuth=1&user=test&password=test&usr=admin&pwd= |           |          |

## setP2PEnable

|           |   |   |         |
|-----------|---|---|---------|
| Function  | Set p2p status  |   |         |
| privilege | admin   |   |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setP2PEnable                         |   |         |
|           | enable  | 0 | Disable |
|           |   | 1 | Enable  |
| Return    | None  |   |         |
| Note      |   |   |         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setP2PEnable&enable=1&usr=admin&pwd= |   |         |

## getP2PEnable

|           |  |   |         |
|-----------|--|---|---------|
| Function  | Get p2p status   |   |         |
| privilege | visitor  |   |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getP2PEnable                |   |         |
| Param     | None   |   |         |
|           | enable   | 0 | Disable |
|           |  | 1 | Enable  |
| Note      |  |   |         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getP2PEnable&usr=admin&pwd= |   |         |

## setP2PPort

|          |              |
|----------|--------------|
| Function | Set p2p port |
|----------|--------------|

|           |   |                 |
|-----------|---|-----------------|
| privilege | admin   |                 |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setP2PPort                           |                 |
|           | port  | P2P port number |
| Return    | None  |                 |
| Note      |   |                 |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setP2PPort&port=12345&usr=admin&pwd= |                 |

## getP2PPort

|           |  |                 |
|-----------|--|-----------------|
| Function  | Get p2p port   |                 |
| privilege | visitor  |                 |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getP2PPort                |                 |
| Param     | None   |                 |
|           | port   | P2P port number |
| Note      |  |                 |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getP2PPort&usr=admin&pwd= |                 |

## Device manage

### setSystemTime

|           |  |  |                          |
|-----------|--|--|--------------------------|
| Function  | Set system time                          |  |                          |
| privilege | admin                                    |  |                          |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setSystemTime |  |                          |
| Param     | timeSource                               | 0  | Get time from NTP server |
|           |  | 1  | Set time manually        |
|           | ntpServer                                | ntp server addr<br>Support ntp server:<br>time.nist.gov    time.kriss.re.kr    time.windows.com<br>time.nuri.net |                          |
|           | dateFormat                               | 0  | YYYY-MM-DD               |
|           |  | 1  | DD/MM/YYYY               |
|           |  | 2  | MM/DD/YYYY               |
|           | timeFormat                               | 0  | 12 hours                 |
|           |  | 1  | 24 hours                 |
|           | timeZone                                 | The seconds between local time and GMT time.   |                          |

|         |   |  |
|---------|---|--|
|         |   | For example: <code>timeZone=3600</code> presents GMT-01:00<br><br><code>timeZone=-3600</code> presents GMT+01:00 |
|         | <code>isDst</code>  | Daylight saving time (0-disable,1-enable)  |
|         | <code>dst</code>  | Not in use currently   |
|         | <code>year</code>   |  |
|         | <code>month</code>  |  |
|         | <code>day</code>  |  |
|         | <code>hour</code>   |  |
|         | <code>min</code>  |  |
|         | <code>sec</code>  |  |
| Return  | None  |  |
| Note    | This command can only be used to set the third party ddns   |  |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setSystemTime&timeSource=1&ntpServer=&dateFormat=0&timeFormat=0&timeZone=0&isDst=0&dst=0&year=2012&mon=1&day=6&hour=9&minute=35&sec=0&usr=admin&pwd= |  |

## getSystemTime

|           |  |  |                          |
|-----------|--|--|--------------------------|
| Function  | Get system time                          |  |                          |
| privilege | visitor                                  |  |                          |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getSystemTime |  |                          |
| Param     | None                                     |  |                          |
| Return    | timeSource                               | 0  | Get time from NTP server |
|           |  | 1  | Set time manually        |
|           | ntpServer                                | ntp server addr<br>Support ntp server:<br>time.nist.gov    time.kriss.re.kr    time.windows.com<br>time.nuri.net   |                          |
|           | dateFormat                               | 0  | YYYY-MM-DD               |
|           |  | 1  | DD/MM/YYYY               |
|           |  | 2  | MM/DD/YYYY               |
|           | timeFormat                               | 0  | 12 hours                 |
|           |  | 1  | 24 hours                 |
|           | timeZone                                 | The seconds between local time and GMT time.<br>For example: <code>timeZone=3600</code> presents GMT-01:00<br><br><code>timeZone=-3600</code> presents GMT+01:00 |                          |
|           | isDst                                    | Daylight saving time (0-disable,1-enable)  |                          |

|         |   |                      |
|---------|---|----------------------|
|         | dst   | Not in use currently |
|         | year  |                      |
|         | month   |                      |
|         | day   |                      |
|         | hour  |                      |
|         | min   |                      |
|         | sec   |                      |
| Note    | This command can only be used to set the third party ddns |                      |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getSystemTime&usr=admin&pwd=   |                      |

## openInfraLed

|           |  |    |         |
|-----------|--|----|---------|
| Function  | Force open infra led                                   |    |         |
| privilege | admin  |    |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=openInfraLed                |    |         |
| Param     | None   |    |         |
| Return    | ctrlResult   | 0  | Success |
|           |  | -1 | Fail    |
| Note      |  |    |         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=openInfraLed&usr=admin&pwd= |    |         |

## closeInfraLed

|           |   |    |         |
|-----------|---|----|---------|
| Function  | Force close infra led                                   |    |         |
| privilege | admin   |    |         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=closeInfraLed                |    |         |
| Param     | None  |    |         |
| Return    | ctrlResult  | 0  | Success |
|           |   | -1 | Fail    |
| Note      |   |    |         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=closeInfraLed&usr=admin&pwd= |    |         |

## getInfraLedConfig

|           |                      |
|-----------|----------------------|
| Function  | Get infra led config |
| privilege | visitor              |

|         |   |   |             |
|---------|---|---|-------------|
| Usage   | /cgi-bin/CGIProxy.fcgi?cmd=getInfraLedConfig                |   |             |
| Param   | None  |   |             |
| Return  | mode  | 0 | Auto mode   |
|         |   | 1 | Manual mode |
| Note    |   |   |             |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getInfraLedConfig&usr=admin&pwd= |   |             |

## setInfraLedConfig

|           |   |   |             |
|-----------|---|---|-------------|
| Function  | Set infra led config  |   |             |
| privilege | admin   |   |             |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setInfraLedConfig&mode=0               |   |             |
| Param     | mode  | 0 | Auto mode   |
|           |   | 1 | Manual mode |
| Return    | None  |   |             |
| Note      |   |   |             |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setInfraLedConfig&mode=&usr=admin&pwd= |   |             |

## getScheduleInfraLedConfig

|           |   |               |  |
|-----------|---|---------------|--|
| Function  | Get config for infra led switch schedule                            |               |  |
| privilege | visitor   |               |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getScheduleInfraLedConfig                |               |  |
| Param     | None  |               |  |
| Return    | startHourN  | Start hour    |  |
|           | startMinN   | Start Minitue |  |
|           | endHourN  | End hour      |  |
|           | endMinN   | End minitue   |  |
| Note      | N:[0-2],the number of infra led switch schedule                     |               |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getScheduleInfraLedConfig&usr=admin&pwd= |               |  |

## setScheduleInfraLedConfig

|           |   |            |  |
|-----------|---|------------|--|
| Function  | Set config for infra led switch schedule                    |            |  |
| privilege | admin   |            |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setScheduleInfraLedConfig&mode=0 |            |  |
| Param     | startHourN  | Start hour |  |

|         |   |               |
|---------|---|---------------|
|         | startMinN   | Start Minitue |
|         | endHourN  | End hour      |
|         | endMinN   | End minitue   |
| Return  | None  |               |
| Note    | N:[0-2],the number of infra led switch schedule                   |               |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=setInfraLedConfig&mode=&usr=admin&pwd= |               |

## getDevState

|           |  |                                     |                   |
|-----------|--|-------------------------------------|-------------------|
| Function  | Get all device state                   |                                     |                   |
| privilege | visitor                                |                                     |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getDevState |                                     |                   |
| Param     | None                                   |                                     |                   |
| Return    | IOAlarm                                | 0                                   | Disabled          |
|           |  | 1                                   | No alarm          |
|           |  | 2                                   | Detect alarm      |
|           | motionDetectAlarm                      | 0                                   | Disabled          |
|           |  | 1                                   | No alarm          |
|           |  | 2                                   | Detect alarm      |
|           | soundAlarm                             | 0                                   | Disabled          |
|           |  | 1                                   | No alarm          |
|           |  | 2                                   | Detect alarm      |
|           | record                                 | 0                                   | Not in recording  |
|           |  | 1                                   | Recording         |
|           | sdState                                | 0                                   | No sd card        |
|           |  | 1                                   | Sd card ok        |
|           |  | 2                                   | Sd card read only |
|           | sdFreeSpace                            | Free space of sd card by unit of k  |                   |
|           | sdTotalSpace                           | Total space of sd card by unit of k |                   |
|           | ntpState                               | 0                                   | Disabled          |
|           |  | 1                                   | Update success    |
|           |  | 2                                   | Update fail       |
|           | ddnspState                             | 0                                   | Disabled          |
|           |  | 1                                   | Update success    |
|           |  | 2                                   | Update fail       |
|           | url                                    | DDNS url                            |                   |
|           | upnpState                              | 0                                   | Disabled          |

|         |   |   |                   |
|---------|---|---|-------------------|
|         |   | 1   | Update success    |
|         |   | 2   | Update fail       |
|         | isWifiConnected                                       | 0   | No wifi connected |
|         |   | 1   | Connected         |
|         | wifiConnectedAP                                       | The ssid of the ap which has been connected |                   |
|         | infraLedState   | 0   | OFF               |
|         |   | 1   | ON                |
| Note    |   |   |                   |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getDevState&usr=admin&pwd= |   |                   |

## getDevName

|           |  |             |
|-----------|--|-------------|
| Function  | Get camera name                                      |             |
| privilege | visitor  |             |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getDevName                |             |
| Param     | None   |             |
| Return    | devName  | Camera name |
| Note      |  |             |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getDevName&usr=admin&pwd= |             |

## setDevName

|           |   |             |
|-----------|---|-------------|
| Function  | Set camera name   |             |
| privilege | admin   |             |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setDevName                             |             |
| Param     | devName   | Camera name |
| Return    | None  |             |
| Note      |   |             |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setDevName&devName=test&usr=admin&pwd= |             |

## getDevInfo

|           |                                       |  |
|-----------|---------------------------------------|--|
| Function  | Get camera information                |  |
| privilege | visitor                               |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getDevInfo |  |
| Param     | None                                  |  |

|         |  |                  |
|---------|--|------------------|
| Return  | productName  | Camera model     |
|         | serialNo   | Serial no        |
|         | devName  | Camera name      |
|         | mac  | Mac address      |
|         | year   |                  |
|         | mon  |                  |
|         | day  |                  |
|         | hour   |                  |
|         | min  |                  |
|         | sec  |                  |
|         | timeZone   | Time zone        |
|         | firmwareVer  | Firmware version |
|         | hardwareVer  | Hardware version |
| Note    |  |                  |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getDevInfo&usr=admin&pwd= |                  |

## getProductModel

|           |   |                     |
|-----------|---|---------------------|
| Function  | Get camera model number                                   |                     |
| privilege | visitor   |                     |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductModel                |                     |
| Param     | None  |                     |
| Return    | model   | Camera model number |
| Note      |   |                     |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductModel&usr=admin&pwd= |                     |

## getProductModelName

|           |  |                   |
|-----------|--|-------------------|
| Function  | Get camera model name                          |                   |
| privilege | visitor  |                   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductModelName |                   |
| Param     | None   |                   |
| Return    | modelName                                      | Camera model name |
| Note      |  |                   |



|         |   |
|---------|---|
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getProductModelName&usr=admin&pwd= |
|---------|---|

## getProductLanguage

|           |  |                      |
|-----------|--|----------------------|
| Function  | Get camera main language                                     |                      |
| privilege | visitor  |                      |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductLanguage                |                      |
| Param     | None   |                      |
| Return    | language   | Camera main language |
| Note      |  |                      |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductLanguage&usr=admin&pwd= |                      |

## getProductSensorType

|           |  |                           |
|-----------|--|---------------------------|
| Function  | Get camera sensor type number                                  |                           |
| privilege | visitor  |                           |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductSensorType                |                           |
| Param     | None   |                           |
| Return    | sensorType   | Camera sensor type number |
| Note      |  |                           |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductSensorType&usr=admin&pwd= |                           |

## getProductWifiType

|           |  |                         |
|-----------|--|-------------------------|
| Function  | Get camera wifi type number                                  |                         |
| privilege | visitor  |                         |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductWifiType                |                         |
| Param     | None   |                         |
| Return    | wifiType   | Camera wifi type number |
| Note      |  |                         |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductWifiType&usr=admin&pwd= |                         |

## getProductSdFlag

|           |                                |  |
|-----------|--------------------------------|--|
| Function  | Whether camera support sd card |  |
| privilege | visitor                        |  |

|         |  |   |
|---------|--|---|
| Usage   | /cgi-bin/CGIProxy.fcgi?cmd=getProductSdFlag                |   |
| Param   | None   |   |
| Return  | sdFlag   | Camera flag to support sd card-0:no,1:yes |
| Note    |  |   |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getProductSdFlag&usr=admin&pwd= |   |

## getProductOutdoorFlag

|           |   |  |
|-----------|---|--|
| Function  | Whether camera is outdoor machine                               |  |
| privilege | visitor   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductOutdoorFlag                |  |
| Param     | None  |  |
| Return    | OutdoorFlag   | Whether camera is outdoor machine-0:no,1:yes |
| Note      |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductOutdoorFlag&usr=admin&pwd= |  |

## getProductPtFlag

|           |  |   |
|-----------|--|---|
| Function  | Whether camera is pt machine                               |   |
| privilege | visitor  |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductPtFlag                |   |
| Param     | None   |   |
| Return    | ptFlag   | Whether camera is pt machine-0:no,1:yes |
| Note      |  |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductPtFlag&usr=admin&pwd= |   |

## getProductZoomFlag

|           |  |   |
|-----------|--|---|
| Function  | Whether camera is zoom machine                               |   |
| privilege | visitor  |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductZoomFlag                |   |
| Param     | None   |   |
| Return    | zoomFlag   | Whether camera is zoom machine-0:no,1:yes |
| Note      |  |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductZoomFlag&usr=admin&pwd= |   |

## getProductRs485Flag

|           |   |   |
|-----------|---|---|
| Function  | Whether camera support rs485                                  |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductRs485Flag                |   |
| Param     | None  |   |
| Return    | rs485Flag   | Whether camera support rs485-0:no,1:yes |
| Note      |   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductRs485Flag&usr=admin&pwd= |   |

## getProductIoAlarmFlag

|           |   |  |
|-----------|---|--|
| Function  | Whether camera support IO alarm                                 |  |
| privilege | visitor   |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductIoAlarmFlag                |  |
| Param     | None  |  |
| Return    | ioAlarmFlag   | Whether camera support IO alarm-0:no,1:yes |
| Note      |   |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductIoAlarmFlag&usr=admin&pwd= |  |

## getProductOnvifFlag

|           |   |   |
|-----------|---|---|
| Function  | Whether camera support Onvif                                  |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductOnvifFlag                |   |
| Param     | None  |   |
| Return    | onvifFlag   | Whether camera support onvif-0:no,1:yes |
| Note      |   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductOnvifFlag&usr=admin&pwd= |   |

## getProductP2pFlag

|           |  |  |
|-----------|--|--|
| Function  | Whether camera support P2p                   |  |
| privilege | visitor                                      |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductP2pFlag |  |
| Param     | None   |  |

|         |   |                                       |
|---------|---|---------------------------------------|
| Return  | p2pFlag   | Whether camera support p2p-0:no,1:yes |
| Note    |   |                                       |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getProductP2pFlag&usr=admin&pwd= |                                       |

## getProductWpsFlag

|           |   |                                       |
|-----------|---|---------------------------------------|
| Function  | Whether camera support Wps                                  |                                       |
| privilege | visitor   |                                       |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductWpsFlag                |                                       |
| Param     | None  |                                       |
| Return    | wpsFlag   | Whether camera support p2p-0:no,1:yes |
| Note      |   |                                       |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductWpsFlag&usr=admin&pwd= |                                       |

## getProductAudioFlag

|           |   |   |
|-----------|---|---|
| Function  | Whether camera support audio-speak                            |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductAudioFlag                |   |
| Param     | None  |   |
| Return    | audioFlag   | Whether camera support audio for speak-0:no,1:yes |
| Note      |   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductAudioFlag&usr=admin&pwd= |   |

## getProductTalkFlag

|           |  |  |
|-----------|--|--|
| Function  | Whether camera support audio-talk                            |  |
| privilege | visitor  |  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductTalkFlag                |  |
| Param     | None   |  |
| Return    | talkFlag   | Whether camera support audio for talk-0:no,1:yes |
| Note      |  |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductTalkFlag&usr=admin&pwd= |  |

## getProductAppVer

|           |  |                            |
|-----------|--|----------------------------|
| Function  | Get camera application version                             |                            |
| privilege | visitor  |                            |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductAppVer                |                            |
| Param     | None   |                            |
| Return    | appVer   | camera application version |
| Note      |  |                            |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getProductAppVer&usr=admin&pwd= |                            |

## getProductAllInfo

|           |  |                                  |
|-----------|--|----------------------------------|
| Function  | Get camera Information                       |                                  |
| privilege | visitor                                      |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getProductAllInfo |                                  |
| Param     | None   |                                  |
| Return    | model  | Model number                     |
|           | modelName                                    | Model Name                       |
|           | language                                     | Main language                    |
|           | sensorType                                   | Sensor type number               |
|           | wifiType                                     | Wifi Type Number                 |
|           | reserve1                                     | Reserve                          |
|           | reserve2                                     | Reserve                          |
|           | reserve3                                     | Reserve                          |
|           | reserve4                                     | Reserve                          |
|           | sdFlag                                       | Whether machine support sd card  |
|           | outdoorFlag                                  | Whether machine is outdoor       |
|           | ptFlag                                       | Whether machine support pt       |
|           | zoomFlag                                     | Whether machine support zoom     |
|           | Rs485Flag                                    | Whether machine support rs485    |
|           | ioAlarmFlag                                  | Whether machine support io alarm |
|           | onvifFlag                                    | Whether machine support onvif    |
| p2pFlag   | Whether machine support p2p                  |                                  |
| wpsFlag   | Whether machine support wps                  |                                  |

|         |   |                                     |
|---------|---|-------------------------------------|
|         | audioFlag   | Whether machine support audio-speak |
|         | talkFlag  | Whether machine support audio-talk  |
|         | reserveFlag1  | reserve                             |
|         | reserveFlag2  | reserve                             |
|         | reserveFlag3  | reserve                             |
|         | reserveFlag4  | reserve                             |
|         | appVer  | Camera application version          |
| Note    |   |                                     |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getProductAllInfo&usr=admin&pwd= |                                     |

## getGeneratePubKey

|           |   |   |
|-----------|---|---|
| Function  | Get public key generated by camera for software reset       |   |
| privilege | visitor   |   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getGeneratePubKey                |   |
| Param     | None  |   |
| Return    | genResult   | The result that camera generate public key for software reset |
|           | genPubLen   | The length of public key                                      |
|           | pubKey  | Public key  |
| Note      |   |   |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getGeneratePubKey&usr=admin&pwd= |   |

## toolResetToFactory

|           |  |                              |
|-----------|--|------------------------------|
| Function  | Set camera reset to factory by software  |                              |
| privilege | visitor  |                              |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=toolResetToFactory  |                              |
| Param     | codeLen  | Code length for camera reset |
|           | code   | Code for camera reset        |
| Return    | restoreResult  | The result that camera reset |
| Note      |  |                              |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=toolResetToFactory&codeLen=10&code=xxxxxxx<br>xxx&&usr=admin&pwd= |                              |

## System

### rebootSystem

|           |  |
|-----------|--|
| Function  | Reboot camera  |
| privilege | admin  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=rebootSystem                |
| Param     | None   |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=rebootSystem&usr=admin&pwd= |

### restoreToFactorySetting

|           |  |
|-----------|--|
| Function  | Restore to factory setting   |
| privilege | admin  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=restoreToFactorySetting                 |
| Param     | None   |
| Return    | None   |
| Note      |  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd= restoreToFactorySetting&usr=admin&pwd= |

### exportConfig

|           |  |
|-----------|--|
| Function  | Export config file   |
| privilege | admin  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=exportConfig  |
| Param     | None   |
| Return    | fileName      The config name  |
| Note      | After call this command, you can get the config file by visit the following addr:<br>/configs/export/configs.bin |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=exportConfig&usr=admin&pwd=   |

## ImportConfig

|           |   |
|-----------|---|
| Function  | Import config file  |
| privilege | admin   |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=importConfig&usr=admin&pwd=  |
| Param     | None  |
| Return    | None  |
| Note      | System will reboot automatically after this operation   |
| Example   | <pre>&lt;form name="form5" method="post" target="retframe" enctype="multipart/form-data" action="/cgi-bin/ CGIProxy.fcgi?cmd=importConfig&amp;usr=admin&amp;pwd=" &gt;   &lt;input type="file" name="setting_file" &gt;   &lt;input type="submit" value="import" &gt; &lt;/form&gt;</pre> |

## FwUpgrade

|           |  |    |                 |
|-----------|--|----|-----------------|
| Function  | Upgrade firmware   |    |                 |
| privilege | admin  |    |                 |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=fwUpgrade&usr=admin&pwd=  |    |                 |
| Param     | None   |    |                 |
| Return    | upgradeResu  | 0  | Upgrade success |
|           | It   | -1 | Upgrade fail    |
| Note      | <p>System will reboot automatically after this operation.</p> <p>This action may takes about 120s when upgrade app firmware, takes about 60s when upgrade system firmware</p>  |    |                 |
| Example   | <pre>&lt;form name="form5" method="post" target="retframe" enctype="multipart/form-data" action="/cgi-bin/ CGIProxy.fcgi?cmd=fwUpgrade&amp;usr=admin&amp;pwd=" &gt;   &lt;input type="file" name="fw_file" &gt;   &lt;input type="submit" value="upgrade" &gt; &lt;/form&gt;</pre> |    |                 |



## MISC

### getFirewallConfig

|           |   |   |                                  |
|-----------|---|---|----------------------------------|
| Function  | Get firewall config   |   |                                  |
| privilege | visitor   |   |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=getFirewallConfig                |   |                                  |
| Param     | None  |   |                                  |
| Return    | isEnabled   | Use firewall or not                       |                                  |
|           | rule  | 0   | The ip list can't access         |
|           |   | 1   | Only allow the ip list to access |
|           | ipListN   | The ip address(Network address) of list N |                                  |
| Note      |   |   |                                  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=getFirewallConfig&usr=admin&pwd= |   |                                  |

### setFirewallConfig

|           |  |   |                                  |
|-----------|--|---|----------------------------------|
| Function  | Set firewall config  |   |                                  |
| privilege | admin  |   |                                  |
| Usage     | /cgi-bin/CGIProxy.fcgi?cmd=setFirewallConfig   |   |                                  |
| Param     | isEnabled  | Use firewall or not                       |                                  |
|           | rule   | 0   | The ip list can't access         |
|           |  | 1   | Only allow the ip list to access |
|           | ipListN  | The ip address(Network address) of list N |                                  |
| Return    | None   |   |                                  |
| Note      |  |   |                                  |
| Example   | /cgi-bin/CGIProxy.fcgi?cmd=setFirewallConfig&isEnabled=1&rule=0&ipList0=0<br>&ipList1=0&ipList2=0&ipList3=0&ipList4=0&ipList5=0&ipList6=0&ipList7=0&usr=admin&pwd= |   |                                  |

### getLog

|           |                |
|-----------|----------------|
| Function  | Get system log |
| privilege | visitor        |

|         |   |   |
|---------|---|---|
| Usage   | /cgi-bin/CGIProxy.fcgi?cmd=getLog   |   |
| Param   | offset  | Where you want to start get log                   |
|         | count   | How many logs you want to get, must less then 20  |
| Return  | totalCnt  | Total log count                                   |
|         | curCnt  | current log count                                 |
|         | logN  | log information, consist by<br>time+user+ip+logID |
| Note    | We can have 1000 record of log at most.<br>We can get 10 log at most one time |   |
| Example | /cgi-bin/CGIProxy.fcgi?cmd=getLog&offset=0&count=20&usr=admin&pwd=            |   |

\*logID:

- 0: System power on
- 1: Detect motion alarm
- 2: user login
- 3: user logout
- 4: user off line