

HTTP API

Version 1.0

Table of Contents

1. GET IPCAM SYSTEM PARAMETER	3
1.1 SYSTEM PARAMETER RETURN FORMAT	3
2. SETUP IPCAM SYSTEM PARAMETER.....	4
2.1 SETUP IMAGE PARAMETER GROUP(IMAGE) #REFERENCE1.....	4
2.2 SETUP MOTION PARAMETER GROUP(MOTION)	6
2.3 SETUP DIGITAL I/O PARAMETER GROUP(IO) #REFERENCE4	7
2.4 SETUP AUDIO STREAM PARAMETER GROUP(AUDIO)	7
2.5 SETUP VIDEO STREAM PARAMETER GROUP (VIDEO)	8
2.6 SETUP PPPoE PARAMETER GROUP(PPPOE)	11
2.7 SETUP DDNS PARAMETER GROUP(DDNS)	11
2.8 SETUP WIRELESS PARAMETER GROUP(WLAN)	11
2.9 SETUP NETWORK PARAMETER GROUP(NET)	13
2.10 SETUP MULTICAST PARAMETER GROUP (MULTICAST)	13
2.11 SETUP CONNECT PORT PARAMETER GROUP(PORT)	14
2.12 SETUP E-MAIL PARAMETER GROUP(SMTP)	14
2.13 SETUP FTP PARAMETER GROUP (FTP)	15
2.14 SETUP UPnP PARAMETER GROUP(UPNP)	15
2.15 SETUP STORAGE PARAMETER GROUP(STORAGE)	16
3. GET SNAPSHOT JPEG IMAGE FILE	17
3.1 RETURN IMAGE FILE FORMAT	17
4. REFERENCE:	17

1. Get IPCam System Parameter

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax: http://<servername>/cgi-bin/sysparam.cgi?<parameter>=<value>

Parameter explain:

all: Get all parameter(Null<value>)

group: Get category of group parameter (Category of group<value>)

element: Get a element parameter(Element <value>)

Example:

i. Get all parameter

http://192.168.0.100/cgi-bin/sysparam.cgi?all

ii. Get Video Stream Parameter Group

http://192.168.0.100/cgi-bin/sysparam.cgi?group=video

iii. Get first video stream Bitrate

http://192.168.0.100/cgi-bin/sysparam.cgi?element=BITRATE

1.1 System Parameter Return Format

Return Format:

HTTP/1.0 200 OK\r\n

Content-Type: text/plain\r\n

\n

<parameter all>

where <parameter all> is

[<parameter group>]

where <parameter group> is

--groupname--\n

<parameter pair>\n

where <parameter pair> is

Parameter=value\n

[<parameter pair>]

Example:

Get netParameter Group:

HTTP/1.0 200 OK\r\n

Content-Type: text/plain\r\n

\n

--net--

WDHCP=0
WIPADDR=NULL
WNETMASK=NULL
WGATEWAY=NULL
PPPOE_ENABLE=0
EDHCP=0
EIPADDR=192.168.0.100
ENETMASK=255.255.255.0
EGATEWAY=192.168.0.1
DNS1=168.95.1.1
DNS2=168.95.192.1
NET_HOSTNAME=Digital_Security_Camera
P.S. If parameter error , Return as follow format.
HTTP/1.0 200 OK\r\n
Content-Type: text/plain\r\n
\n
Error: no data match

2. Setup IPCam System Parameter

2.1 Setup Image Parameter Group(image) [#reference1](#)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/activex.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

OSD: Setup OSD whether enable or not (<value>=0,Disable;<value>=1,Enable)

TRANSPARENCY: Setup OSD transparency whether enable or not.

(<value>=0,Disable;<value>=1,Enable)

FONT_COLOR: Setup OSD font color (<value>=0~2)

0=>Orange

1=>Green

2=>Blue

[model:ccd] [#reference2](#)

SA7113_BRIGHTNESS: Adjust brightness(<value>=0~255)

SA7113_SATURATION: Adjust saturation(<value>=0~255)

SA7113_CONTRAST: Adjust contrast(<value>=0~255)

SA7113_HUE: Adjust hue(<value>=0~255)

[model: cmos]

OV7720_BRIGHTNESS: Adjust brightness (<value>=0~255)

OV7720_SATURATION: Adjust saturation (<value>=0~255)

OV7720_CONTRAST: Adjust contrast (<value>=0~255)
OV7720_HUE: Adjust hue (<value>=0~12)
OV7720_SHARPNESS: Adjust sharpness (<value>=0~15)
OV7720_AEREFERENCE: Adjust auto exposure reference (<value>=0~4)
OV7720_LIGHT: Setup light mode (<value>=0,In door;<value>=1,Out door)
OV7720_NIGHTMODE: Setup night mode whether enable or not
(<value>=0,Disable;<value>=1,Enable)
OV7720_FLIP: Setup vertical flip whether enable or not
(<value>=0,Disable;<value>=1,Enable)
OV7720_FREQUENCY: Setup voltage frequency (<value>=50,50Hz;<value>=60,60Hz)

Example:

i.Enable OSD function

<http://192.168.0.100/cgi-bin/activex.cgi?OSD=1>

ii.Adjust **ccd** brightness [#reference3](#)

http://192.168.0.100/cgi-bin/activex.cgi?SA7113_BRIGHTNESS=64

iii.Adjust **cmos** sharpness

http://192.168.0.100/cgi-bin/activex.cgi?OV7720_SHARPNESS=6

2.2 Setup Motion Parameter Group(motion)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

[http://<servername>/cgi-bin/motionset.cgi?<parameter>=<value>\[&<parameter>=<value>...\]](http://<servername>/cgi-bin/motionset.cgi?<parameter>=<value>[&<parameter>=<value>...])

Parameter explain:

ALARM_PIC_ENABLE: Enable alarm capture image (<value>=0,Disable;<value>=1,Enable)

MAILALARM: Enable alarm send to email(<value>=0,Disable;<value>=1,Enable)

P.S. This option demand first Enable ALARM_PIC_ENABLE

FTPALARM: Enable alarm Send image to FTP (<value>=0,Disable;<value>=1,Enable)

P.S. This option demand first EnableALARM_PIC_ENABLE

DETECTION1: Setup first motion mask rectangle area whether enable or not.

(<value>=0,Disable;<value>=1,Enable)

SENSITIVITY1: Setup first motion mask rectangle area sensitive(<value>=0~9)

STARTX1: Setup first motion mask rectangle area X position start(<value>=X Position)

STARTY1: Setup first motion mask rectangle area Y position start(<value>=Y Position)

STOP1: Setup first motion mask rectangle area X position end(<value>=X Position)

STOPY1: Setup first motion mask rectangle area Y position end(<value>=Y Position)

P.S. Setup first motion mask rectangle area, Demand first Enable DETECTION1,And starting point value needs to be smaller than terminal point value

DETECTION2: Setup second motion mask rectangle area whether enable or not.

(<value>=0,Disable;<value>=1,Enable)

SENSITIVITY2: Setup second motion mask rectangle area sensitive(<value>=0~9)

STARTX2: Setup second motion mask rectangle area X position start(<value>=X Position)

STARTY2: Setup second motion mask rectangle area Y position start(<value>=Y Position)

STOP2: Setup second motion mask rectangle area X position end(<value>=X Position)

STOPY2: Setup second motion mask rectangle area Y position end(<value>=Y Position)

P.S. Setup second motion mask rectangle area, Demand first Enable DETECTION2,And starting point value needs to be smaller than terminal point value

DETECTION3: Setup third motion mask rectangle area whether enable or not.

(<value>=0,Disable;<value>=1,Enable)

SENSITIVITY3: Setup third motion mask rectangle area sensitive(<value>=0~9)

STARTX3: Setup third motion mask rectangle area X position start(<value>=X Position)

STARTY3: Setup third motion mask rectangle area Y position start(<value>=Y Position)

STOP3: Setup third motion mask rectangle area X position end(<value>=X Position)

STOPY3: Setup third motion mask rectangle area Y position end(<value>=Y Position)

P.S. Setup third motion mask rectangle area, Demand first Enable DETECTION3,And starting point value needs to be smaller than terminal point value

Example:

i.Enable motion alarm and trigger capture image send to email

[http://192.168.0.100/cgi-bin/motionset.cgi?ALARM_PIC_ENABLE=1&](http://192.168.0.100/cgi-bin/motionset.cgi?ALARM_PIC_ENABLE=1&MAILALARM=1)

MAILALARM=1

ii.Enable second motion mask rectangle area and set rectangle area position.

http://192.168.0.100/cgi-bin/motionset.cgi?DETECTION2=1&STARTX2=50&STARTY2=50&STOPX2=250&STOPY2=250

2.3 Setup Digital I/O Parameter Group(io) [#reference4](#)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/loAlarm.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

DIN_MODE: Setup Digital Input trigger mode(<value>=0,Low;<value>=1,High)

IOALARM_PIC_ENABLE: Setup alarm event whether capture image or not (<value>=0,Disable; <value>=1,Enable)

IOMAILALARM: Setup alarm event whether send email or not (<value>=0,Disable;<value>=1,Enable)

P.S. This option demand first EnableIOALARM_PIC_ENABLE

IOFTPALARM: Setup alarm event whether capture image send to FTP or not (<value>=0,Disable; <value>=1,Enable)

P.S. This option demand first EnableIOALARM_PIC_ENABLE

VLMAILALARM: Setup Video Loss event whether send email or not (<value>=0,Disable;<value>=1,Enable)

DOUT_TYPE: Setup trigger Digital Output while related alarm event come up(<value>=0~3)
0=>OFF

1=>Motion Detect

2=>Digital Input

3=>Video Loss

IODOUTTIME: Trigger Digital Output time(<value>=1~19)

Example:

i.Digital Input trigger mode is High

http://192.168.0.100/cgi-bin/loAlarm.cgi?DIN_MODE=1

ii.Enable send image to FTP while digital input alarm event come up

http://192.168.0.100/cgi-bin/loAlarm.cgi?IOALARM_PIC_ENABLE=1&IOFTPALARM=1

2.4 Setup Audio Stream Parameter Group(audio)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/audioset.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

MP2RATE: Setup MP2 Bitrate (<value>=1~3)

1=>32kbps

2=>48kbps

3=>64kbps

Example:

i. MP2 Bitrate is 48kbps

<http://192.168.0.100/cgi-bin/audioset.cgi?MP2RATE=2>

2.5 Setup Video Stream Parameter Group (video)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

[http://<servername>/cgi-bin/videoset.cgi?<parameter>=<value>\[&<parameter>=<value>...\]](http://<servername>/cgi-bin/videoset.cgi?<parameter>=<value>[&<parameter>=<value>...])

Parameter explain:

QUALITYMETHOD: SetupVideo Stream1 encode method (<value>=1,CBR;<value>=2,VBR)

BITRATE: Setup Video Stream1 Bitrate (<value>=3~19)

3=>48kbps

4=>64kbps

5=>96kbps

6=>128kbps

7=>192kbps

8=>256kbps

9=>320kbps

10=>384kbps

11=>448kbps

12=>512kbps

13=>576kbps

14=>640kbps

15=>704kbps

16=>768kbps

17=>1Mbps

18=>1.5Mbps

19=>2Mbps

P.S. This option demand QUALITYMETHOD = 1

QUALITY: Setup Video Stream1 quality (<value>=5~9)

5=>Standard

6=>Good

7=>Pretty Good

8=>Great

9=>Excellent

P.S. This option demand QUALITYMETHOD = 2

RESOLUTION: Setup Video Stream2 resolution (<value>=1~9)

1=>NTSC(QCIF)

2=>NTSC(CIF)

3=>NTSC(D1)

4=>PAL(QCIF)

5=>PAL(CIF)

6=>PAL(D1)

7=>QQVGA(160x120)

8=>QVGA(320x240)

9=>VGA(640x480)

FRAMERATE: Setup Video Stream1 framerate (<value>=1~6)

1=>5fps

2=>10fps

3=>15fps

4=>20fps

5=>25fps

6=>30fps

DUALBITSTREAM: Setup Video Stream2 encode mode (<value>=0~2)

0=Disable

1=MPEG4

2=MJPEG

QUALITYMETHOD2: Setup Video Stream2 encode method

(<value>=1,CBR;<value>=2,VBR)

P.S. This setting demand DUALBITSTREAM = 1.

BITRATE2: Setup Video Stream bitrate (<value>=3~19)

3=>48kbps

4=>64kbps

5=>96kbps

6=>128kbps

7=>192kbps

8=>256kbps

9=>320kbps

10=>384kbps

11=>448kbps

12=>512kbps

13=>576kbps

14=>640kbps

15=>704kbps

16=>768kbps

17=>1Mbps

18=>1.5Mbps

19=>2Mbps

P.S. This option demand DUALBITSTREAM=1 and QUALITYMETHOD2=1

QUALITY2: Setup Video Stream2 quality (<value>=5~9)

5=>Standard

6=>Good

7=>Pretty Good

8=>Great

9=>Excellent

P.S. This option demand DUALBITSTREAM=1 and QUALITYMETHOD2=2

RESOLUTION2: Setup Video Stream2 resolution (<value>=1~9)

1=>NTSC(QCIF)

2=>NTSC(CIF)

3=>NTSC(D1)

4=>PAL(QCIF)

5=>PAL(CIF)

6=>PAL(D1)

7=>QQVGA(160x120)

8=>QVGA(320x240)

9=>VGA(640x480)

P.S. This setting demand DUALBITSTREAM=1.

FRAMERATE2: Setup Video Stream framerate(<value>=1~6)

1=>5fps

2=>10fps

3=>15fps

4=>20fps

5=>25fps

6=>30fps

P.S. This setting demand DUALBITSTREAM=1.

JQUALITY: Setup MotionJPEG encode quality (<value>=1~90)

P.S. This setting demand DUALBITSTREAM=2.

JRESOLUTION: Setup MotionJPEG resolution. (<value>=1~9)

1=>NTSC(QCIF)

2=>NTSC(CIF)

3=>NTSC(D1)

4=>PAL(QCIF)

5=>PAL(CIF)

6=>PAL(D1)

7=>QQVGA(160x120)

8=>QVGA(320x240)

9=>VGA(640x480)

P.S. This setting demand DUALBITSTREAM=2

JFRAMERATE: Setup MotionJPEG framerate(<value>=1~6)

1=>1fps

2=>5fps

3=>10fps

4=>15fps

5=>20fps

6=>25fps

P.S. This setting demand DUALBITSTREAM=2

Example:

i. Set Video Stream1 CBR Bitrate is 512kbps

<http://192.168.0.100/cgi-bin/videoset.cgi?QUALITYMETHOD=1&BITRATE=12>

ii. Set Video Stream1 resolution is NTSC(D1)

<http://192.168.0.100/cgi-bin/videoset.cgi?RESOLUTION=3>

iii.Set Video Stream2 is MJPEG

http://192.168.0.100/cgi-bin/videoset.cgi?DUALBITSTREAM=2

2.6 Setup PPPoEParameter Group(pppoe)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/pppoe.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

PPPOE_USER: Account user name of PPPoE (<value>=character*30)

PPPOE_PASSWD: Account password of PPPoE (<value>=character*20)

Example:

i.Set PPPoE login User Name and Password.

http://192.168.0.100/cgi-bin/pppoe.cgi?PPPOE_USER=aaa&

PPPOE_PASSWD =bbb

2.7 Setup DDNSParameter Group(ddns)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/ddns.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

DDNS_ENABLE: Enable DDNS (<value>=0,Disable;<value>=1,Enable)

DDNS_DOMAIN: DDNS Server address (<value>=1,DynDNS.org;<value>=2,3322.org)

DDNS_HOSTNAME: Host Name of DDNS (<value>=character*50)

DDNS_USER: User name of DDNS (<value>=character*30)

DDNS_PASSWD: Password of DDNS (<value>=character*20)

Example:

i.Set enable DDNS

http://192.168.0.100/cgi-bin/ddns.cgi?DDNS_ENABLE=1

ii.Set host name of DDNS

http://192.168.0.100/cgi-bin/ddns.cgi?DDNS_HOSTNAME

=clairvoyant.dyndns.org

2.8 Setup Wireless Parameter Group(wlan)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/wlanset.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

WLANMODE: The wireless of IP camera can be set to Infrastructure or Ad-Hoc mode of the basic transmission. (<value>=1, Infrastructure;<value>=2, Ad-Hoc)

WLANOPMODE: Select wireless transmission specification (<value>=1~3)

1=>Auto(IEEE 802.11b/g)

2=>IEEE 802.11g

3=>IEEE 802.11b

CHANNEL: Wireless channel (<value>=0~11, 0=Auto)

SSID: Wireless Access Point Name (<value>=character*32)

PREAMBLE: Wireless Preamble Type (<value>=1, Long; <value>=2, Short)

AUTHEN: IP camera supported WEP or WPA encryption. Please select the authentication mode and input the key in below items. We DO NOT recommend to setup the wireless as Open System for security reasons. (<value>=1~3)

1=>Open System

2=>Shared key

3=>WPA-PSK

ENCRYPT: Select WEP key length (<value>=0, 64, 128)

0=>OFF

64=>64-bit

128=>128-bit

P.S. This setting is valid when AUTHEN is two (WEP).

WEPKEYCH: Select use WEP_Key index (<value>=1~4)

P.S. This setting is valid when AUTHEN is two (WEP).

WEPKEY641: WEP1 encryption 64bit 1(<value>=hex*10 or character*5)

P.S. This setting demand AUTHEN=2 and ENCRYPT=64

WEPKEY642: WEP2 encryption 64bit (<value>=hex*10 or character*5)

P.S. This setting demand AUTHEN=2 and ENCRYPT=64

WEPKEY643: WEP3 encryption 64bit (<value>=hex*10 or character*5)

P.S. This setting demand AUTHEN=2 and ENCRYPT=64

WEPKEY644: WEP4 encryption 64bit (<value>= hex*10 or character*5)

P.S. This setting demand AUTHEN=2 and ENCRYPT=64

WEPKEY1281: WEP1 encryption 128bit (<value>= hex*26 or character*13)

P.S. This setting demand AUTHEN=2 and ENCRYPT=128

WEPKEY1282: WEP2 encryption 128bit (<value>= hex*26 or character*13)

P.S. This setting demand AUTHEN=2 and ENCRYPT=128

WEPKEY1283: WEP3 encryption 128bit (<value>= hex*26 or character*13)

P.S. This setting demand AUTHEN=2 and ENCRYPT=128

WEPKEY1284: WEP4 encryption 128bit (<value>= hex*26 or character*13)

P.S. This setting demand AUTHEN=2 and ENCRYPT=128

WPAENC: WPA encryption mode(<value>=1, TKIP;<value>=2, AES)

P.S. This setting demand AUTHEN=3

WPAPSK: WPA encryption Key (<value>=character*20)

P.S. This setting demand AUTHEN=3

Example:

i. Set Wireless channel=6

<http://192.168.0.100/cgi-bin/wlanset.cgi?CHANNEL=6>

ii. Set Wireless use WPA encryption ,And Encryption mode is AES

<http://192.168.0.100/cgi-bin/wlanset.cgi?AUTHEN=3&WPAENC=2&WPAPSK=Clairvoyant>

iii. Set Wireless use WEP encryption and key length is 64bit and WEP_Key select third.

<http://192.168.0.100/cgi-bin/wlanset.cgi?AUTHEN=2&ENCRYPT=64&WEPKEYCH=3&WEPKEY643=12345abcde>

iv. Set Wireless not use encryption.

<http://192.168.0.100/cgi-bin/wlanset.cgi?AUTHEN=1>

2.9 Setup NetworkParameter Group(net)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

[http://<servername>/cgi-bin/netset.cgi?<parameter>=<value>\[&<parameter>=<value>...\]](http://<servername>/cgi-bin/netset.cgi?<parameter>=<value>[&<parameter>=<value>...])

Parameter explain:

WDHCP: Enable the DHCP function of wireless. (<value>=0,Disable; <value>=1,Enable)

WIPADDR: Setup IP address of wireless. (<value>=character*15)

WNETMASK: Setup Subnet Mask of wireless. (<value>=character*15)

WGATEWAY: Setup Gateway address of wireless. (<value>=character*15)

PPPOE_ENABLE: Enable or Disable the PPPoE. (<value>=0,Disable; <value>=1,Enable)

EDHCP: Enable the DHCP function of Ethernet . (<value>=0,Disable; <value>=1,Enable)

EIPADDR: Setup IP address of Ethernet. (<value>=character*15)

ENETMASK: Setup Subnet Mask of Ethernet (<value>=character*15)

EGATEWAY: Setup Gateway address of Ethernet (<value>=character*15)

DNS1: Setup DNS1 address of Ethernet (<value>=character*15)

DNS2: Setup DNS2 address of Ethernet (<value>=character*15)

NET_HOSTNAME: Setup IP Camera Host Name (<value>=character*30)

P.S. This Setting will affect the UpnP show host name

Example:

i. Set enable Wireless DHCP

<http://192.168.0.100/cgi-bin/netset.cgi?WDHCP=1>

ii. Set enable PPPoE

http://192.168.0.100/cgi-bin/netset.cgi?PPPOE_ENABLE=1

iii. Set IP address , Subnet Mask and Gateway address of Ethernet

<http://192.168.0.100/cgi-bin/netset.cgi?EIPADDR=192.168.128.100&ENETMASK=255.255.255.0&EGATEWAY=192.168.128.1>

2.10 Setup Multicast Parameter Group (multicast)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/multicastset.cgi?<parameter>=<value>[&<parameter>=<value>..
.]

Parameter explain:

MULTICAST: Enable or disable multicast function .(<value>=0,Disable;<value>=1,Enable)

MULTICASTIP: Setup IP address of multicast. (<value>=character*15)

MULTICASTPORT: Use port of multicast .(<value>=character*5)

Example:

i.Set enable Multicast.

http://192.168.0.100/cgi-bin/multicastset.cgi?MULTICAST=1

ii.Set Multicast IP and Port

http://192.168.0.100/cgi-bin/multicastset.cgi?MULTICASTIP
=234.5.6.11&MULTICASTPORT=6000

2.11 Setup Connect Port Parameter Group(port)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/portset.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

RTSPPORT: RTSP Service use port .(<value>=character*5)

CTRLPORT: Control Service use port .(<value>=character*5)

ALARMPORT: Alarm Service use port .(<value>=character*5)

HTTPPORT: HTTP Service use port .(<value>=character*5)

Example:

i.Set RTSP Service use port

http://192.168.0.100/cgi-bin/portset.cgi?RTSPPORT=554

2.12 Setup E-mail Parameter Group(smtp)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/smtpset.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

SMTPSERVER1: SMTP Server address. (<value>=character*30)

SMTPREC1: Recipient the Email address .(<value>=character*30)

SMTPNAME1: Login account of SMTP Server (<value>=character*30)

SMTPPASSWD1: Login password of SMTP Server. (<value>=character*20)

AUTHMETHOD1: Setup SMTP Server authentication method. (<value>=1, PLAIN;<value>=2, LOGIN)

Example:

i. Set E-mail SMTP address.

http://192.168.0.100/cgi-bin/smtpset.cgi?SMTPSERVER1=sohonas.com.tw

ii. Set E-mail Recipient the Email address

http://192.168.0.100/cgi-bin/smtpset.cgi?SMTPPREC1=william@ sohonas.com.tw

iii. Set E-mail SMTP Server authentication method is LOGIN

http://192.168.0.100/cgi-bin/smtpset.cgi?AUTHMETHOD1=2

2.13 Setup FTPParameter Group (ftp)

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/ftpset.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

FTPSERVER1: FTP server address. (<value>=character*20)

FTPSPORT1: Service port of FTP. (<value>=character*5)

FTPNAME1: Account of FTP. (<value>=character*30)

FTPPASSWD1: Password of FTP (<value>=character*20)

FTPFOLDER1: FTP upload folder name. (<value>=character*20)

FTPPASV1: Enable passive mode. (<value>=0,Disable;<value>=1,Enable)

Example:

i. Set FTP server address.

http://192.168.0.100/cgi-bin/ftpset.cgi?FTPSERVER1= sohonas.com.tw

ii. Set FTP upload folder name.

http://192.168.0.100/cgi-bin/ftpset.cgi?FTPFOLDER1=alarm_pic

2.14 Setup UPnPParameter Group(upnp)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

http://<servername>/cgi-bin/upnp.cgi?<parameter>=<value>[&<parameter>=<value>...]

Parameter explain:

UPNP: Enable UPnP function. (<value>=0,Disable;<value>=1,Enable)

Example:

i. Set enable UPnP function.

<http://192.168.0.100/cgi-bin/upnp.cgi?UPNP=1>

2.15 Setup Storage Paramter Group(storage)

Attention: This CGI command that authority level must be administrator(administrator authorization).

Method: GET/POST

Syntax:

[http://<servername>/cgi-bin/storageset.cgi?<parameter>=<value>\[&<parameter>=<value>...\]](http://<servername>/cgi-bin/storageset.cgi?<parameter>=<value>[&<parameter>=<value>...])

Parameter explain:

SSJPGSTORAGEDEV: Set snapshot storage path .(<value>=1~3)

1=>SD

2=>USB

3=>OFF

RECVDOSTORAGEDEV: Set record storage path .(<value>=1~3)

1=>SD

2=>USB

3=>OFF

RECTIME: The Record Time length (for record video) can be set to 1 ~ 5 seconds.

(<value>=1~5)

ENABLESNAP: Users also can setup the Schedule Snapshot in this setting.

(<value>=0,Disable;<value>=1,Enable)

SNAPTIME: If bScheduleSnapShotEnable is enable , The IP camera will save the snapshot picture every a period of time as user setup to SD or USB storage devices.

(<value>=10, 20, 30, 40, 50, 60)

10=>10min

20=>20min

30=>30min

40=>40min

50=>50min

60=>60min

P.S. This option demand ENABLESNAP=1

Example:

i. Set snapshot to SD storage

<http://192.168.0.100/cgi-bin/storageset.cgi?SSJPGSTORAGEDEV=1>

ii. Set record to USB storage

<http://192.168.0.100/cgi-bin/storageset.cgi?RECVDOSTORAGEDEV=2>

iii. Enable schedule snapshot and every snapshot are interval 10 minute

[http://192.168.0.100/cgi-bin/storageset.cgi?ENABLESNAP=1&](http://192.168.0.100/cgi-bin/storageset.cgi?ENABLESNAP=1&SNAPTIME=10)

[SNAPTIME=10](http://192.168.0.100/cgi-bin/storageset.cgi?ENABLESNAP=1&SNAPTIME=10)

3. Get Snapshot JPEG Image File

Attention: This CGI command that authority level must be administrator (administrator authorization).

Method: GET/POST

Syntax: http://<servername>/cgi-bin/image.cgi

Example: http://192.168.0.100/cgi-bin/image.cgi

3.1 Return Image File Format

HTTP/1.0 200 OK\r\n

Content-Type: image/jpeg\r\n

[Content-Length: <image size>\r\n]

\r\n

<JPEG image data>\r\n

P.S. If this function execute fail, Return as follow format.

HTTP/1.0 200 OK\r\n

Content-Type: text/html\r\n

\n

Error: cannot get image

4. reference:

- (1) Default video source is ccd = composite video
- (2) Red color font is video source.
- (3) Some products hardware have not been offered Digital I/O