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1.1. RTSP

The RTSP URL is **rtsp://<the IP address of the server>/av0_0**.

first num-channel#(0~3),second num-main(0)/sub(1) stream.

The OPTIONS, DESCRIBE, SETUP, PLAY, TEARDOWN methods are supported. The RTSP protocol is described in RFC2326.

1.2. RTSP OPTIONS

The OPTIONS command returns a list of supported RTSP commands.

Example:

OPTIONS **rtsp://<192.168.55.88>/av0_0** RTSP/1.0

CSeq:2

Response example:

RTSP/1.0 200 OK

CSeq:2

Date:Sun, 13 May 2012 16:39:25 GMT

Public: OPTIONS, DESCRIBE, SET_PARAMETER, GET_PARAMETER,

SETUP, TEARDOWN, PLAY, PAUSE\r\n

Notice: The SET_PARAMETER function and PAUSE function, our RTSP library

temporarily not support.

1.3. RTSP DESCRIBE

Example:

DESCRIBE **rtsp://<192.168.55.88>/av0_0** RTSP/1.0

CSeq:3

Accept: application/sdp

Response example:

RTSP/1.0 200 OK

CSeq:3

Server: myipc/1.0.0

Date: Sun, 13 May 2012 16:39:25 GMT

Context-type: application/sdp

Context-Base: **rtsp://<192.168.55.88>/av0_0**

Context-length: 291

1.4.   RTSP SETUP

Example:

SETUP **rtsp://<192.168.55.88>/av0_0** RTSP/1.0

CSeq:4

Transport: RTP/AVP;unicast;client_port=2568-2569

Response example:

RTSP/1.0 200 OK

CSeq:4

Server: myipc/1.0.0

Date: Sun, 13 May 2012 16:39:25 GMT

Session: 8962035351000806693

Transport: RTP/AVP;unicast;client_port=2568-2569;source=192.168.55.88;

server_port=8018-8019;ssrc=4f08d90f

1.5.   RTSP PLAY

Example:

PLAY **rtsp://<192.168.55.88>/av0_0** RTSP/1.0

CSeq:5

Session: 8962035351000806693

Range: npt=0.000-\r\n

Response example:

RTSP/1.0 200 OK

CSeq:5

Server: myipc/1.0.0

Date: Sun, 13 May 2012 16:39:25 GMT

Session: 8962035351000806693

RTP-Info: url=rtsp://192.168.55.88/av0_1/trackID=1

1.6. RTSP TEARDOWN

Example:

TEARDOWN **rtsp://<192.168.55.88>/av0_0** RTSP/1.0

CSeq:8

Session: 8962035351000806693

Response example:

RTSP/1.0 200 OK

CSeq:8

Date: Sun, 13 May 2012 16:39:25 GMT

1.7. JPEG images(snapshot) request

Syntax:

http://<server ipaddr>/cgi-bin/images_cgi?channel=<vaule>&user=<value>

&pwd=<value>

When a JPEG image is requested, the server returns either the specified JPEG image file or "Request failed:Param error".

Note: This requires users access(administrator or normal user). Channel valid values are 0 to 3.

Example:

   http://192.168.55.88/cgi-bin/images_cgi?channel=0&user=admin&pwd=admin

Response example:

   HTTP/1.0 200 OK\r\n

   Context-length:23311\r\n

   Context-type: image/jpeg\r\n

   \r\n

   <JPEG image date>\r\n

1.8.   Network Parameter

Get or set system network parameter.

Syntax:

   http://<server ipaddr>/cgi-bin/network_cgi?[&<parameter>=<value>]

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value >	Values	Description
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
action=<string>	get/set	Specifies what to do.
BootProto=<string>	dhcp,none	Enable/disable dynamic IP address

		assignment to the device.
IPAddress=<string>	An ip address	IP Address. The physical address of the device on the network.
SubnetMask=<string>	An ip address	Subnet mask. Divides the network.
DefaultRouter=<string>	An ip address	Default router/gateway used for connecting devices attached to different networks.
HostName=<string>	An host name	The name of the device on the network.
DNSServer1=<string>	An ip address	Primary Domain Name System server.
DNSServer2=<string>	An ip address	Secondary Domain Name System server.
DataPort = <int>	5000,1~65535	The port of the server.
WebPort = <int>	80,1~65535	The port of the server.
OnvifPort = <int>	2000,1~65535	The port of the server.
MACAddress=<string>	An MAC address like：00-fc-14-0e-ff-05	MAC address. The unique identify of the device.

1.9. Get system network parameter

Syntax:

http://<server ipaddr>/cgi-bin/network_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/network_cgi?action=get&user=admin&pwd=admin

Response example:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

BootProto=none

IPAddress=192.168.55.88

SubnetMask=255.255.255.0

DefaultRouter=192.168.88.2

MACAddress=00-5d-20-a0-35-12

HostName=DVS131

DNSServer1=192.168.88.2

DNSServer2=221.5.88.88

WebPort=80

DataPort=5000

OnvifPort=2000

1.10. Set system network parameter

Syntax:

http://<server ipaddr>/cgi-bin/date_cgi?action=set[&<parameter>=<value>...]

You can set the value of a parameter or all the parameters value.

Example: set all the parameters value

http://192.168.55.88/cgi-bin/network_cgi?action=set&user=admin&pwd=admin&
BootProto=none&IPAddress=192.168.55.88&SubnetMask=255.255.255.0&Defa
ultRouter=192.168.88.2&HostName=DVS134&MACAddress=00-fc-14-0e-ff-05

&DNSServer1=192.168.88.2&DNSServer2=221.5.88.88&WebPort=80&DataPort=5000&OnvifPort=2000

Response example:

Case 1: system network parameter are changed.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK, Device is rebooting\r\n

Case 2: only HostName is changed.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

Case 3: no system network parameter are changed.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Param not change\r\n

Case 4: system network parameter are error.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Request failed:Param error\r\n

1.11. System date and time

Get or set the system date and time.

Syntax:

　　http://<server ipaddr>/cgi-bin/date_cgi?<parameter>=<value >

Note: This requires administrator access(administrator authorization).

<parameter>=<value>	Values	Description
action=<string>	get or set	Specifies what to do. get = get the current date and time. set = set the current date and time.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.

1.12. Get system date and time

Syntax:

　　http://<server ipaddr>/cgi-bin/date_cgi?action=get&user=<value>

　　&pwd=<value>

Return:

　　HTTP/1.0 200 OK\r\n

　　Content-Type:text/plain\r\n

　　\r\n

　　<month> <day>**,** <year> <hour>:<minute>:<second> <time zone> <NTP

Host>\r\n

Example：

　　http://192.168.55.88/cgi-bin/date_cgi?action=get&user=admin&pwd=admin

Response example:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

5 22, 2012 15:4:57 29 clock.isc.org\r\n

NTP_IntervelTime=60\r\n

1.13. Set system date and time

Syntax:

http://<server ipaddr>/cgi-bin/date_cgi?action=set[&<parameter>=<value>...]

with the following parameters and values

<parameter>=<value>	Values	Description
year = <int>	2012~2099	Current year.
month = <int>	1~12	Current month.
day = <int>	1~31	Current day.
hour = <int>	0~23	Current hour.
minute = <int>	0~59	Current minute.
second = <int>	0~59	Current second.
timezone = <int>	0~37 0:(GMT-12:00),1:(GMT-11:00), 2:(GMT-10:00),3:(GMT-09:00),	Time zone. 18:(GMT+01:00),19:(GMT+02:00), 20:(GMT+02:00),21:(GMT+03:00),

	4:(GMT-08:00),5:(GMT-07:00),	22:(GMT+03:30),23:(GMT+04:00),
	6:(GMT-06:00),7:(GMT-05:00),	24:(GMT+04:30),25:(GMT+05:00),
	8:(GMT-04:30),9:(GMT-04:00),	26:(GMT+05:30),27:(GMT+05:45),
	10:(GMT-03:30),11:(GMT-03:00),	28:(GMT+06:00),29:(GMT+06:30),
	12:(GMT-02:00),13:(GMT-01:00),	30:(GMT+07:00),31:(GMT+08:00),
	14:(GMT+00:00),15:(GMT+01:00),	32:(GMT+09:00),33:(GMT+09:30),
	16:(GMT+01:00),17:(GMT+01:00),	34:(GMT+10:00),35:(GMT+11:00),
		36:(GMT+12:00),37:(GMT+13:00),
ntpHost=<string>	IP address or NTP server name	Such as: clock%2Eisc%2Eorg(clock.isc.org) 192%2E168%2E88%2E185(Make sure that the NPT server is open).
IntervelTime=<int>	Value >= 0	NTP time intervel, unit minute.

Example：

http://192.168.55.88/cgi-bin/date_cgi?action=set&user=admin&pwd=admin&year=2010&month=11&day=12&hour=13&minute=14&second=15&timezone=31&ntpHost=ntp1.aliyun.com&IntervelTime=30

Response:

Case 1: a successful set.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

Case 2: a failed set,Setting or syntax are probably incorrect.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Request failed: Param error\r\n\r\n

1.14. Change the time zone and the NTP host

Note: When DHCP function opens, NTP server address the default for DCHP server address.

Syntax:

http://<server ipaddr>/cgi-bin/date_cgi?action=set&user=<avlue>

&pwd=<value>&timezone=<value>&ntpHost=<value>

Example：

http://192.168.55.88/cgi-bin/date_cgi?user=admin&pwd=admin&action=set&year=2012&month=12&day=12&hour=12&minute=12&second=12&timezone=31&ntpHost=ntp1.aliyun.com&IntervelTime=10

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.15. Add, modify and delete users

Note: This requires administrator access(administrator authorization), and System has an administrator user, four normal users.

Syntax:

http://<server ipaddr>/cgi-bin/pwdgrp_cgi?<parameter>=<value>

[&<parameter>=<value>…]

with the following parameters and values

<parameter>=<value>	Values	Description
action=<string>	add, update, remove, get	add = create a new user account. update = change account information of specified parameters if the account exists. remove = remove an existing account. get = get a list of the user accounts.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
username=<string>	<string>	The user account name, a non-existing user name. Valid characters are a thru z, A thru Z and 0 thru 9.
password=<string>	<string>	The user account password. Valid characters are a thru z, A thru Z and 0 thru 9.
level=<int>	1,2	One representatives of an administrator , Two representatives of an normal user.

1.16. Create a new user account.

Example：

http://192.168.55.88/cgi-bin/pwdgrp_cgi?action=add&user=admin&pwd=admin
&username=hanghe1234&password=123456&level=2

Response:

Case 1: a successful add.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

Case 2: Administrator user can't increase.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Administrator user can't increase\r\n

Case 3: No user surplus or users already exist.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

No user surplus or users already exist\r\n

1.17. Change the password of a existing account.

Example：

http://192.168.55.88/cgi-bin/pwdgrp_cgi?action=update&user=admin&pwd=admin&username=myipc&password=134

Response:

Case 1: a successful upadte.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

Case 2: The user doesn't find.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

The user doesn't find\r\n

1.18. Remove an account.

Example：

http://192.168.55.88/cgi-bin/pwdgrp_cgi?action=remove&user=admin&pwd=admin&username=myipc

Response:

Case 1: a successful remove.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

Case 2: The user doesn't find.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

The user doesn't find \r\n

Case 3: Administrators can't be deleted.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Administrators can't be deleted\r\n

1.19. List users accounts.

Example：

http://192.168.55.88/cgi-bin/pwdgrp_cgi?action=get&user=admin&pwd=admin

Response:　A successful Get.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Username:password:level\n

<the users information>

1.20. Restart server

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/restart_cgi?user=admin&pwd=admin

Example：

http://192.168.55.88/cgi-bin/restart_cgi?user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK,Device is rebooting\r\n

1.21. Factory default

Reload factory default. All parameters except Network parameters are set to their factory default value.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/factorydefault_cgi? user=admin&pwd=admin

Return:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK, Device is rebooting \r\n

1.22. Hard factory default

Reload factory default. All parameters are set to their factory default value.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/hardfactorydefault_cgi? user=admin&pwd=admin

Return:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK, Device is rebooting \r\n

1.23. Video coding

Set and get the encoding parameters.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/videocoding_cgi?<parameter>=<value>

[&<parameter>=<value>…]

with the following parameters and values

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the encoding parameters. set = set the encoding parameters.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
channel=<int>	0~3	The channel number of the video.
Profile1=<string>	Baseline Main Profile High Profile	The level of coding. "Profile1" can only be set when "EncType1" is equal to "H.264".
EncType1=<string>	H.264, MJPEG, H.265, H.265S	Encoding format of the main stream.
Resolution1=<string>	1920*1080 1280*720	The resolution of the main stream.
BitflowType1=<string>	CBR, VBR	The type of bit rate of the main stream.

PicLevel1=<int>	1~6	If the BitflowType1 is VBR: (1:best, 2:better, 3:good, 4:bad, 5:worse, 6:worst) If the BitflowType1 is CBR: (1:Self-adaption, 2: 10%, 3:20%, 4:30%, 5:40%, 6:50%)
NormalBitrate1=<int>	30~16384	The bit rate of the main stream.
FrameRate1=<int>	1~25(PAL), 1~30(NTSC)	The frame rate of the main stream.
KeyInterval1=<int>	1~200	The main stream I-frame interval.
Profile2=<string>	Baseline Main Profile High Profile	The level of coding. "Profile2" can only be set when "EncType2" is equal to "H.264".
EncType2=<string>	H.264, MJPEG, H.265, H.265S	Encoding format of the Sub-stream.
Resolution2=<string>	1280*720, 704*576, 640*480, 320*240	The resolution of the Sub-stream.
BitflowType2=<string>	CBR, VBR	The type of bit rate of the Sub-stream.
PicLevel2=<int>	1~6	If the BitflowType2 is VBR: (1:best, 2:better, 3:good, 4:bad, 5:worse, 6:worst) If the BitflowType2 is CBR: (1:Self-adaption, 2: 10%, 3:20%,

		4:30%, 5:40%, 6:50%)
NormalBitrate2=<int>	30~16384	The bit rate of the Sub-stream.
FrameRate2=<int>	1~25(PAL), 1~30(NTSC)	The frame rate of the Sub-stream.
KeyInterval2=<int>	1~200	The Sub-stream I-frame interval.

1.24. Get the encoding parameters

Syntax:

http://<server ipaddr>/cgi-bin/videocoding_cgi?action=get&user=<value>

pwd=<value>&channel=<value>

Example:

http://192.168.55.88/cgi-bin/videocoding_cgi?action=get&channel=0&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Main stream options:

Profile1=Main Profile

EncType1=H.264

Resolution1=1920*1080

BitflowType1=VBR

PicLevel1=2

NormalBitrate1=4096

FrameRate1=25

KeyInterval1=30

Sub-stream options:

Profile2=Main Profile

EncType2=H.265

Resolution2=704*576

BitflowType2=VBR

PicLevel2=4

NormalBitrate2=1024

FrameRate2=25

KeyInterval2=30

1.25. Set the encoding parameters

Syntax:

http://<server ipaddr>/cgi-bin/videocoding_cgi?action=set&channel=<value>

[&<parameter>=<value>…]

Example: Set the encoding parameters of the main stream.

http://192.168.55.88/cgi-bin/videocoding_cgi?action=set&channel=0&user=admin&pwd=admin&Profile1=Baseline&EncType1=H.265&Resolution1=1280*720&BitflowType1=CBR&PicLevel1=5&NormalBitrate1=4444&FrameRate1=20&KeyInterval1=40&Profile2=High%20Profile&EncType2=H.265S&Resolution2=640*480&BitflowType2=VBR&PicLevel2=1&NormalBitrate2=1000&FrameRate2=20&KeyInterval2=20

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

If you change the resolution of the main stream, the device will restart and it will return "OK,Device is rebooting".

1.26. Video Mask

Get and set the video mask options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/videomask_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the video mask options. set = set the video mask options.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
MaskSwitch=<string>	open, close	Whether to enable the video mask.
MaskArea0_x=<int>	0~704	The x coordinate values of the mask area 0.

MaskArea0_y=<int>	0~576	The y coordinate values of the mask area 0.
MaskArea0_w=<int>	0~704	The width of the mask area 0.
MaskArea0_h=<int>	0~576	The height of the mask area 0.
MaskArea1_x=<int>	0~704	The x coordinate values of the mask area 1.
MaskArea1_y=<int>	0~576	The y coordinate values of the mask area 1.
MaskArea1_w=<int>	0~704	The width of the mask area 1.
MaskArea1_h=<int>	0~576	The height of the mask area 1.
MaskArea2_x=<int>	0~704	The x coordinate values of the mask area 2.
MaskArea2_y=<int>	0~576	The y coordinate values of the mask area 2.
MaskArea2_w=<int>	0~704	The width of the mask area 2.
MaskArea2_h=<int>	0~576	The height of the mask area 2.
MaskArea3_x=<int>	0~704	The x coordinate values of the mask area 3.
MaskArea3_y=<int>	0~576	The y coordinate values of the mask area 3.
MaskArea3_w=<int>	0~704	The width of the mask area 3.
MaskArea3_h=<int>	0~576	The height of the mask area 3.

1.27. Get the video mask options

Syntax:

http://<server ipaddr>/cgi-bin/videomask_cgi?action=get&channel=<value>

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/videomask_cgi?action=get&channel=0&user=admin &pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

MaskSwitch=close

MaskArea0_x=0   MaskArea0_y=0   MaskArea0_w=704   MaskArea0_h=576

MaskArea1_x=0   MaskArea1_y=0   MaskArea1_w=0   MaskArea1_h=0

MaskArea2_x=0   MaskArea2_y=0   MaskArea2_w=0   MaskArea2_h=0

MaskArea3_x=0   MaskArea3_y=0   MaskArea3_w=0   MaskArea3_h=100

1.28. Set the video mask options

Syntax:

http://<server ipaddr>/cgi-bin/videomask_cgi?action=set[&parameter =<value>…]

Example: Set the video mask parameters of the first channel.

http://192.168.55.88/cgi-bin/videomask_cgi?action=set&channel=0&user=admin &pwd=admin&MaskSwitch=open&MaskArea0_x=10&MaskArea0_y=20&MaskAre a0_w=100&MaskArea0_h=200&MaskArea1_x=210&MaskArea1_y=300&MaskAre a1_w=30&MaskArea1_h=40

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.29. Video parameters

Get and set the Video parameters.

Note: This requires administrator access(administrator authorization), and only the equipment to support this parameter, you can get or set its value.

Syntax:

http://<server ipaddr>/cgi-bin/videoparameter_cgi?<parameter>=<value>

[&<parameter>=<value>…]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the video parameters. set = set the video parameters.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
Brightness=<int>	0~255	The brightness of the video.
Contrast=<int>	0~255	The contrast of the video.
Chroma=<int>	0~255	The chroma of the video.
Saturation=<int>	0~255	The saturation of the video.

Acutance=<int>	0~255	The acutance of the video.
Gamma=<int>	0~255	The Gamma of the video.
BlcLevel=<int>	0~255	The BlcLevel of the video.
GammaMode=<int>	0~1	0:Truecolor, 1:Transparent
bySceneMode=<int>	0~2	0:Outdoor, 1:Indoor1, 2:Indoor2
LensCorrection =<string>	close, open	Lens correction
AutoIris =<string>	manual, auto	Auto iris
TRCutLevel=<string>	low, high	IR cut level
InfraredLamp=<string>	low, high	IR Direction
Rotation=<string>	Non, 90, 270	Rotation
AutoAwb<=string>	auto, manual	Whether open auto white balance
AwbRed=<int> AwbGreen=<int> AwbBlue=<int>	0~255	White balance value(Manual mode)

1.30. Get the video parameters

Syntax:

 http://<serveripaddr>/cgi-bin/videoparameter_cgi?action=get&channel=<value>

 &user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/videoparameter_cgi?action=get&channel=0&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Images Setting:

Brightness=128

Contrast=128

Chroma=125

Saturation=120

Acutance=75

Gamma=20

BlcLevel=64

GammaMode=1

bySceneMode=0

Basic Setting:

LensCorrection=close

AutoIris=auto

IR Setting:

TRCutLevel=low

InfraredLamp=high

Advanced Setting:

Rotation=Non-Rotation

AutoAwb=manual

    AwbRed=128

    AwbGreen=128

    AwbBlue=128

1.31. Set the video parameters

Syntax:

http://\<server ipaddr>/cgi-bin/videoparameter_cgi?action=set&channel=

\<value>[&\<parameter>=\<value>…]

Example: Set the video parameters of the channel 0.

http://192.168.55.88/cgi-bin/videoparameter_cgi?action=set&channel=0&user=admin&pwd=admin&Brightness=0&Contrast=40&Chroma=80&Saturation=120&Acutance=160&Gamma=200&BlcLevel=255&GammaMode=1&bySceneMode=0

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.32. Video format

Get and set the video format.

Note: This requires administrator access(administrator authorization).

Syntax:

http://\<server ipaddr>/cgi-bin/videoformat_cgi?\<parameter>=\<value>

[&\<parameter>=\<value>]

with the following parameters and values.

\<parameter>=\<value>	Values	Description
action=\<string>	get, set	get = get the video format. set = set the video format.
user=\<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=\<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
Videoformat=\<string>	PAL, NTSC	The channel number of the video.

1.33. Get the video format

Syntax:

http://\<server ipaddr>/cgi-bin/videoformat_cgi?action=get&user=\<value>

&pwd=\<value>

Example:

http://192.168.55.88/cgi-bin/videoformat_cgi?action=get&channel=0&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Videoformat=NTSC

1.34. Set the video format

Syntax:

http://<server ipaddr>/cgi-bin/videoformat_cgi?action=set&user=<value>

&pwd=<value>&Videoformat=<value>

Example:

http://192.168.55.88/cgi-bin/videoformat_cgi?action=set&user=admin&pwd=admin&Videoformat=PAL

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK,Device is rebooting\r\n

If the video format has not changed, return "Param not change".

1.35. Audio parameter

Get and set the audio parameter options.

Note:

This requires administrator access.

Syntax:

http://<server ipaddr>/cgi-bin/audio_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the audio parameter options.

		set = set the audio parameter options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
AudioSwitch=<string>	open,close	Enable audio. When video need to voice, need to open this switch.
AudioType=<string>	G.726,G.711A, G.711U	The type of the audio encoding. DVS does not have AAC encoding.
AudioInput=<string>	Mic, Line	The type of the audio Input . DVS only have 'Line' input.
AudioBitrate=<int>	16000	The value of the bitrate.
AudioSamplingRate =<string>	8K	The value of the audio sampling rate. DVS only have 8K sampling rate.
AudioInVol=<int>	0~15	The size of the input volume.
AudioOutVol=<int>	0~15	The size of the output volume.

1.36. Get the audio parameter options

Syntax:

http://<server ipaddr>/cgi-bin/audio_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/audio_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

AudioSwitch=close

AudioType=G.711A

AudioInput=Line

AudioBitrate=16000

AudioSamplingRate=8k

AudioInVol=2

AudioOutVol=5

1.37. Set the audio parameter options

Syntax:

http://\<server ipaddr\>/cgi-bin/audio_cgi?action=set[&\<parameter\>=\<value\>]

Example:

http://192.168.55.88/cgi-bin/audio_cgi?action=set&channel=0&user=admin&pwd=admin&AudioSwitch=close&AudioType=G.711U&AudioInput=Mic&AudioInVol=1&AudioOutVol=15

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.38. Text overlay

Note: This requires administrator access(administrator authorization).

Syntax:

http://\<server ipaddr\>/cgi-bin/textoverlay_cgi?\<parameter\>=\<value\>

[&\<parameter\>=\<value\>]

with the following parameters and values.

\<parameter\>=\<value\>	Values	Description
action=\<string\>	get, set	get = get the text overlay options. set = set the text overlay options.
channel=\<int\>	0~3	The channel number of the video.
user=\<string\>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=\<string\>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
TitleValue=\<int\> TitleValue2=\<int\> TitleValue3=\<int\> TitleValue4=\<int\>	0,1	Whether to display the title, 0:Do not show, 1:Show.
Title=\<string\> Title2=\<string\> Title3=\<string\> Title4=\<string\>	\<string\>	Valid characters are a thru z, A thru Z and 0 thru 9.
Color=\<int\>	0~4	The color of the font, 0:white, 1:black, 2:yellow, 3:red, 4:blue.
DateValue=\<int\>	0, 1	Whether to display the date, 0:Do not show, 1:Show.

TimeValue=<int>	0, 1	Whether to display the time, 0:Do not show, 1:Show.
WeekValue=<int>	0, 1	Whether to display the week, 0:Do not show, 1:Show.
DateType=<int>	0~2	0:YYYY-MM-DD 1:MM-DD-YYYY 2:DD-MM-YYYY
BitrateValue=<int>	0, 1	Whether to display the bitrate, 0:Do not show, 1:Show.
ClientNumOSD	0, 1	Whether to display the client connection number, 0:Do not show, 1:Show.

1.39. Get the text overlay options

Syntax:

http://<server ipaddr>/cgi-bin/textoverlay_cgi?action=get&channel=<value>

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/textoverlay_cgi?action=get&channel=0&user=admin&pwd=admin

Response :

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

TitleValue=1

TitleValue2=1

TitleValue3=1

TitleValue4=1

Title=IPC1000

Title2=zhongguo

Title3=guangdongsheng

Title4=shenzhenshi

Color=0

DateValue=1

TimeValue=1

WeekValue=1

DateType=0

BitrateValue=1

ClientNumOSD=1

1.40. Set the text overlay options

Syntax:

http://<server ipaddr>/cgi-bin/textoverlay_cgi?action=set&channel=<value>

[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/textoverlay_cgi?action=set&channel=0&user=admin
&pwd=admin&TitleValue=0&TitleValue2=0&TitleValue3=0&TitleValue4=0&Title
=IPC1234&Title2=tile2test&Title3=tile3test&Title4=tile4test&Color=3&DateValue=
0&TimeValue=0&WeekValue=0&DateType=2&BitrateValue=0&ClientNumOSD=0

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.41. Motion alarm

Get and set the motion alarm options.

Note: This requires administrator access(administrator authorization).When device has storage (hard disk, SD card, USB disk), linkage Snap, linkage Record document will be saved to storage first and do related process based on file storage. Or it will be saved to memory for the moment and do related process based on file storage.

Syntax:

http://<server ipaddr>/cgi-bin/motion_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the motion alarm options. set = set the motion alarm options.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
Sensitivity=<int>	1~5	The sensitivity of motion alarm.
MotionSwitch=<string>	close, open	Whether to open the motion alarm.
EMailSwitch=<string>	close, open	Whether the alarm is sent to the email.

Time1Switch=<string>	close, open	Time 1 selector switch.
Time1_BgnHour=<int>	0~23	The beginning of the hour value.
Time1_BgnMinute=<int>	0~59	The beginning of the minute value.
Time1_EndHour=<int>	0~23	The end of the hour value.
Time1_EndMinute=<int>	0~59	The end the minute value.
Time2Switch=<string>	close, open	Time 2 selector switch.
Time2_BgnHour=<int>	0~23	The beginning of the hour value.
Time2_BgnMinute=<int>	0~59	The beginning of the minute value.
Time2_EndHour=<int>	0~23	The end of the hour value.
Time2_EndMinute=<int>	0~59	The end the minute value.
DetectArea0_x=<int>	0~704	The x coordinate values of the detection area 0.
DetectArea0_y=<int>	0~576	The y coordinate values of the detection area 0.
DetectArea0_w=<int>	0~704	The width of the detection area 0.
DetectArea0_h=<int>	0~576	The height of the detection area 0.
DetectArea1_x=<int>	0~704	The x coordinate values of the detection area 1.
DetectArea1_y=<int>	0~576	The y coordinate values of the detection area 1.
DetectArea1_w=<int>	0~704	The width of the detection area 1.
DetectArea1_h=<int>	0~576	The height of the detection area 1.
DetectArea2_x=<int>	0~704	The x coordinate values of the detection area 2.

DetectArea2_y=\<int\>	0~576	The y coordinate values of the detection area 2.
DetectArea2_w=\<int\>	0~704	The width of the detection area 2.
DetectArea2_h=\<int\>	0~576	The height of the detection area 2.
DetectArea3_x=\<int\>	0~704	The x coordinate values of the detection area 3.
DetectArea3_y=\<int\>	0~576	The y coordinate values of the detection area 3.
DetectArea3_w=\<int\>	0~704	The width of the detection area 3.
DetectArea3_h=\<int\>	0~576	The height of the detection area 3.
OutputSwitch=\<string\>	close, open	Whether the alarm is sent to the warning lights.
OutputDuration=\<int\>	0~2*60*60	Alarm output duration.
AlarmOutType=\<string\>	NormalOpen, NormalClose	The normal state of alarm output.
SnapSwitch=\<string\>	close, open	When the motion alarm occurs, whether to snap.
SnapNum=\<int\>	0~3600	The number of captured images.
SnapInterval=\<float\>	0~3600,0.5,1.5	The interval of captured images.
SnapSaveMode=\<string\>	Local, Ftp, Email,FtpEmail	The way to save the pictures. FtpEmail means Ftp and Email .
RecordSwitch=\<string\>	close, open	When the motion alarm occurs, whether to record.
RecordTime=\<int\>	0~2*60*60	Recording continuous time.
RecordSaveMode=\<string\>	Local, Ftp	The way to save the Video resource.

AlarmAudio=<string>	close, open	Whether to open the audio alarm.

1.42. Get the motion alarm options

Syntax:

http://<server ipaddr>/cgi-bin/motion_cgi?action=get&channel=<value>

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/motion_cgi?action=get&channel=0&user=admin&pwd=admin

Response:

DetectArea0_x=0   DetectArea0_y=0   DetectArea0_w=704   DetectArea0_h=576

DetectArea0_x=0   DetectArea0_y=0   DetectArea0_w=704   DetectArea0_h=576

DetectArea1_x=0   DetectArea1_y=0   DetectArea1_w=704   DetectArea1_h=576

DetectArea2_x=0   DetectArea2_y=0   DetectArea2_w=704   DetectArea2_h=576

DetectArea3_x=0   DetectArea3_y=0   DetectArea3_w=704   DetectArea3_h=576

MotionSwitch=close

Sensitivity=4

Time1Switch=open

Time1_BgnHour=0   Time1_BgnMinute=0   Time1_EndHour=23

Time1_EndMinute=59

Time2Switch=open

Time2_BgnHour=0   Time2_BgnMinute=0   Time2_EndHour=23

Time2_EndMinute=59

EMailSwitch=close

OutputSwitch=close

OutputDuration=10

AlarmOutType=NormalOpen

SnapSwitch=close

SnapNum=1

SnapInterval=1.0

SnapSaveMode=Local

RecordSwitch=close

RecordTime=60

RecordSaveMode=Local

AlarmAudio=close

1.43. Set the motion alarm options

Syntax:

http://<server ipaddr>/cgi-bin/motion_cgi?action=set[&parameter =<value>…]

You can set the value of a parameter or all the parameters value.

Example: Set the motion alarm parameters of the first channel.

http://192.168.55.88/cgi-bin/motion_cgi?action=set&channel=0&user=admin&p
wd=admin&DetectArea0_x=0&DetectArea0_y=11&DetectArea0_w=22&Detect
Area0_h=33&DetectArea1_x=44&DetectArea1_y=55&DetectArea1_w=66&Det
ectArea1_h=77&DetectArea2_x=88&DetectArea2_y=99&DetectArea2_w=100&
DetectArea2_h=111&DetectArea3_x=222&DetectArea3_y=333&DetectArea3_
w=444&DetectArea3_h=555&MotionSwitch=open&Sensitivity=1&Time1Switc
h=close&Time1_BgnHour=0&Time1_BgnMinute=1&Time1_EndHour=2&Time
1_EndMinute=3&Time2Switch=close&Time2_BgnHour=4&Time2_BgnMinute
=5&Time2_EndHour=6&Time2_EndMinute=7&EMailSwitch=open&OutputSwi
tch=open&OutputDuration=8&AlarmOutType=NormalClose&SnapSwitch=open
&SnapNum=9&SnapInterval=10.5&SnapSaveMode=FtpEmail&RecordSwitch=
open&RecordTime=11&RecordSaveMode=Ftp&AlarmAudio=open

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.44. Shelter alarm

Open or close the shelter alarm .

Note: This requires administrator access(administrator authorization). This function is not supported at present.

Syntax:

http://<server ipaddr>/cgi-bin/shelter_cgi?channel=<value>&

ShelterSwitch=**<value>&user=<value>&pwd=<value>**

with the following parameters and values.

<parameter>=<value>	Values	Description
channel=<int>	0~3	The channel number of the video.
ShelterSwitch =<string>	close, open	Whether to open the shelter alarm.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.

Example: Open the channel 0 shelter alarm .

http://192.168.55.88/cgi-bin/shelter_cgi?action=set&channel=0&user=admin&pwd=admin&ShelterSwitch=open

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.45. Sensor alarm

Get and set the sensor alarm options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/sensor_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the senor alarm options. set = set the senor alarm options.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
DetectSwitch=<string>	close, open	Whether to open the sensor alarm.
SensorType=<string>	NormalOpen, NormalClose	The type of the sensor.
EMailSwitch=<string>	close, open	Whether the alarm is sent to the email.
Time1Switch=<string>	close, open	Time 1 selector switch.
Time1_BgnHour=<int>	0~23	The beginning of the hour value.

Time1_BgnMinute=<int>	0~59	The beginning of the minute value.
Time1_EndHour=<int>	0~23	The end of the hour value.
Time1_EndMinute=<int>	0~59	The end the minute value.
Time2Switch=<string>	close, open	Time 2 selector switch.
Time2_BgnHour=<int>	0~23	The beginning of the hour value.
Time2_BgnMinute=<int>	0~59	The beginning of the minute value.
Time2_EndHour=<int>	0~23	The end of the hour value.
Time2_EndMinute=<int>	0~59	The end the minute value.
OutputSwitch=<string>	close, open	Whether the alarm is sent to the warning lights.
OutputDuration=<int>	0~2*60*60	Alarm output duration.
AlarmOutType =<string>	NormalOpen, NormalClose	The normal state of alarm output.
SnapSwitch=<string>	close, open	When the motion alarm occurs, whether to snap.
SnapNum=<int>	0~3600	The number of captured images.
SnapInterval=<float>	0~3600,0.5,1.5	The interval of captured images.
SnapSaveMode=<string>	Local,Ftp,Email, FtpEmail	The way to save the pictures. FtpEmail means Ftp and Email .
RecordSwitch=<string>	close, open	When the motion alarm occurs, whether to record.
RecordTime=<int>	0~2*60*60	Recording continuous time.
RecordSaveMode=<string>	Local,Ftp	The way to save the Video resource.
AlarmAudio=<string>	close, open	Whether to open the audio alarm.

1.46. Get the sensor alarm options

Syntax:

http://<server ipaddr>/cgi-bin/sensor_cgi?action=get&channel=<value>

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/sensor_cgi?action=get&channel=0&user=admin&pwd=admin

Response:

DetectSwitch=close

SensorType=NormalOpen

Time1Switch=open

Time1_BgnHour=0   Time1_BgnMinute=0   Time1_EndHour=23

Time1_EndMinute=59

Time2Switch=open

Time2_BgnHour=0   Time2_BgnMinute=0   Time2_EndHour=23

Time2_EndMinute=59

EMailSwitch=close

OutputSwitch=close

OutputDuration=10

AlarmOutType =NormalOpen

SnapSwitch=close

SnapNum=1

SnapInterval=1.0

SnapSaveMode=Local

RecordSwitch=close

RecordTime=60

RecordSaveMode=Local

AlarmAudio=close

1.47. Set the sensor alarm options

Syntax:

    http://<server ipaddr>/cgi-bin/sensor_cgi?action=set[&parameter =<value>…]

You can set the value of a parameter or all the parameters value.

Example: Set the sensor alarm parameters of the first channel.

    http://192.168.55.88/cgi-bin/sensor_cgi?action=set&channel=0&user=admin&pwd=admin&DetectSwitch=open&SensorType=NormalClose&Time1Switch=close&Time1_BgnHour=0&Time1_BgnMinute=1&Time1_EndHour=2&Time1_EndMinute=3&Time2Switch=close&Time2_BgnHour=4&Time2_BgnMinute=5&Time2_EndHour=6&Time2_EndMinute=7&EMailSwitch=open&OutputSwitch=open&OutputDuration=8&AlarmOutType=NormalClose&SnapSwitch=open&SnapNum=9&SnapInterval=10.5&SnapSaveMode=FtpEmail&RecordSwitch=open&RecordTime=11&RecordSaveMode=Ftp&AlarmAudio=open

Response:

    HTTP/1.0 200 OK\r\n

    Content-Type:text/plain\r\n

    \r\n

    OK\r\n

1.48. Video lose alarm

 Get and set the video lose alarm options.

Note: This requires administrator access(administrator authorization). When device has storage (hard disk, SD card, USB disk), linkage Snap, linkage Record document will be saved to storage first and do related process based on file storage. Or it will be saved to memory for the moment and do related process based on file storage. This function is not supported at present.

Syntax:

http://<server ipaddr>/cgi-bin/videolose_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the video lose alarm options. set = set the video lose alarm options.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
LoseSwitch=<string>	close, open	Whether to open the video lose alarm.
EMailSwitch=<string>	close, open	Whether the alarm is sent to the email.
OutputSwitch=<string>	close, open	Whether the alarm is sent to the warning lights.
OutputDuration=<int>	0~2*60*60	Alarm output duration.
SnapSwitch=<string>	close, open	When the motion alarm occurs, whether to snap.
SnapNum=<int>	0~3600	The number of captured images.
SnapInterval=<float>	0~3600,0.5,1.5	The interval of captured images.
SnapSaveMode=<string>	Local,Ftp,Email FtpEmail	The way to save the pictures. FtpEmail means Ftp and Email .

RecordSwitch=<string>	close, open	When the motion alarm occurs, whether to record.
RecordTime=<int>	0~2*60*60	Recording continuous time.
RecordSaveMode=<string>	Local,Ftp	The way to save the Video resource.

1.49. Get the video lose alarm options

Syntax:

http://<server ipaddr>/cgi-bin/videolose_cgi?action=get&channel=<value>

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/videolose_cgi?action=get&channel=0&user=admin
&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

LoseSwitch=open

EMailSwitch=open

OutputSwitch=open

OutputDuration=20

SnapSwitch=close

SnapNum=100

SnapInterval=1.5

SnapSaveMode=Ftp

RecordSwitch=open

RecordTime=10

RecordSaveMode=Ftp

1.50. Set the video lose alarm options

Syntax:

http://<server ipaddr>/cgi-bin/videolose_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/videolose_cgi?action=set&channel=0&user=admin&pwd=admin&LoseSwitch=open&EMailSwitch=open&outputSwitch=open&OutputDuration=21&SnapSwitch=open&SnapNum=20&SnapInterval=2&SnapSaveMode=FtpEmail&RecordSwitch=open&RecordTime=61&RecordSaveMode=Ftp

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.51. Network interruption alarm

Get and set the network interruption alarm options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/ networkinterruption_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the network interruption

		alarm options. set = set the network interruption alarm options.
user=\<string\>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=\<string\>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
DetectSwitch=\<string\>	close, open	Whether to open the video lose alarm.
OutputSwitch=\<string\>	close, open	Whether the alarm is sent to the warning lights.
OutputDuration=\<int\>	0~2*60*60	Alarm output duration.
AlarmOutType=\<string\>	NormalOpen, NormalClose	The normal state of alarm output.
SnapSwitch=\<string\>	close, open	When the motion alarm occurs, whether to snap.
SnapNum=\<int\>	0~3600	The number of captured images.
SnapInterval=\<float\>	0~3600,0.5,1.5	The interval of captured images.
RecordSwitch=\<string\>	close, open	When the motion alarm occurs, whether to record.
RecordTime=\<int\>	0~2*60*60	Recording continuous time.
AlarmAudio=\<string\>	close, open	Whether to open the audio alarm.

1.52. Get the network interruption alarm options

Syntax:

http://\<server ipaddr\>/cgi-bin/networkinterruption_cgi?action=get

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/networkinterruption_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

DetectSwitch=close

OutputSwitch=close

OutputDuration=10

AlarmOutType=NormalClose

SnapSwitch=close

SnapNum=1

SnapInterval=1.0

RecordSwitch=close

RecordTime=60

AlarmAudio=close

1.53. Set the network interruption alarm options

Syntax:

http://<server ipaddr>/cgi-bin/networkinterruption_cgi?action=set

[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/networkinterruption_cgi?action=set&user=admin&pwd=admin&DetectSwitch=open&OutputSwitch=open&OutputDuration=11&Ala

rmOutType=NormalOpen&SnapSwitch=open&SnapNum=22&SnapInterval=3.3
&RecordSwitch=open&RecordTime=44&AlarmAudio=open

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.54. Alarm status

Obtain alarm status.

Note:

   This requires administrator access(administrator authorization). The alarm duration is two seconds, and within two seconds, the arrival of the next alarm, alarm start time will not change.

Syntax:

   http://<server ipaddr>/cgi-bin/alarmstate_cgi?action=<value>

   &user=<value>&pwd=<value>

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, clear	get = get the alarm statues. clear = Remove all the current state of alarm.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A

		thru Z and 0 thru 9.
Alarm Type=<string>	MotionDetection, VideoLoss, SensorAlarm, NetworkInterruption， Shelter Alarm.	The type of the alarm.

1.55. Get the alarm statues

Syntax:

http://<server ipaddr>/cgi-bin/alarmstate_cgi?action=get&user=<value>

&pwd=<value>

Return:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Alarm Type=<value> channel=<value> date=year-month-day

time=hour:minute:second

Example:

http://192.168.55.88/cgi-bin/alarmstate_cgi?action=get&user=admin&pwd=admin

Response:

Case1: No alarm message.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

NO Alarm\r\n

Case2: Have alarm message.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Alarm Type= MotionDetection channel=0 date=2012-06-04 time=20:00:36

Alarm Type=VideoLoss channel=0 date=2012-06-04 time=20:00:34

1.56. Clear the alarm statues

Syntax:

http://<server ipaddr>/cgi-bin/alarmstate_cgi?action=clear&user=<value>

&pwd=<value>

Return:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

1.57. PPPOE

Get and set the PPPOE options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/pppoe_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the PPPOE options.

		set = set the PPPOE options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
PppoeSwitch=<string>	open, close	Whether use PPPOE to dial out.
PppoeIpaddr=<string>	An IP address	The IP address returned in the dial-up after the success of. Can not be set.
PppoeUser=<string>	<string>	Valid characters are a thru z, A thru Z and 0 thru 9. The length is more than 32.
PppoePwd=<string>	<string>	Valid characters are a thru z, A thru Z and 0 thru 9. The length is more than 32.
OnlieTime=<int>	<string>	The amount of time online. Can not be set.

1.58. Get the PPPOE options

Syntax:

   http://<server ipaddr>/cgi-bin/pppoe_cgi?action=get&user=<value>

   &pwd=<value>

Example:

   http://192.168.55.88/cgi-bin/pppoe_cgi?action=get&user=admin&pwd=admin

Response:

   HTTP/1.0 200 OK\r\n

   Content-Type:text/plain\r\n

\r\n

  PppoeSwitch=close

PppoeIpaddr=0.0.0.0

PppoeUser=hanghe

PppoePwd=456123

OnlieTime=0minutes

1.59. Set the PPPOE options

Syntax:

http://<server ipaddr>/cgi-bin/pppoe_cgi?action=set[&<parameter>=

<value>]

Example:

http://192.168.55.88/cgi-bin/pppoe_cgi?action=set&user=admin&pwd=admin&PppoeSwitch=open&PppoeUser=test&PppoePwd=456123

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.60. UPNP

Get and set the UPNP options.

Note: This requires administrator access(administrator authorization). "UpnpWebPort" and "UpnpDataPort" are only supported by "UpnpWebPort ==80" and "UpnpDataPort=5000".

Syntax:

http://<server ipaddr>/cgi-bin/upnp_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the UPNP options. set = set the UPNP options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
UpnpSwitch =<string>	open,close	Whether to enable the UPNP .
UpnpEthNo=<string>	Lineate, WiFi	NIC type.
UpnpMode=<string>	Designate, Auto	The mode of the UPNP server.
UpnpHost=<string>	<A server URL>	The host address of the UPNP.
UpnpWebPort=<int>	Valid port number.	The web port of the UPNP.
UpnpDataPort=<int>	Valid port number.	The data port of the UPNP.

1.61. Get the UPNP options

Syntax:

http://<server ipaddr>/cgi-bin/upnp_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/upnp_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

UpnpSwitch=close

UpnpEthNo=WiFi

UpnpMode=Designate

UpnpHost=192.168.88.18

UpnpWebPort=80

UpnpDataPort=5000

1.62. Set the UPNP options

Syntax:

http://<server ipaddr>/cgi-bin/upnp_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/upnp_cgi?action=set&user=admin&pwd=admin&UpnpSwitch=open&UpnpEthNo=WiFi&UpnpMode=Designate&UpnpWebPort=55&UpnpDataPort=88&UpnpHost=192%2E168%2E88%2E188

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.63. Email

Get and set the Email options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://\<server ipaddr\>/cgi-bin/email_cgi?\<parameter\>=\<value\>

[&\<parameter\>=\<value\>]

with the following parameters and values.

\<parameter\>=\<value\>	Values	Description
action=\<string\>	get, set	get = get the Email options. set = set the Email options.
user=\<string\>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=\<string\>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
SmtpServer=\<string\>	\<string\>	Such as: smtp%2E126%2Ecom(smtp.126.com).
MailFrom=\<string\>	\<string\>	Such as: ipc-cgi%40126%2Ecom(ipc-cgi@126.com).
MailTo=\<string\>	\<string\>	Such as: xxx%40163%2Ecom%2Ecn (xxx@163.com).
SmtpUser=\<string\>	\<string\>	Valid characters are a thru z, A thru Z and 0 thru 9.
SmtpPwd=\<string\>	\<string\>	Valid characters are a thru z, A thru Z and 0 thru 9.
MailTile=\<string\>	\<string\>	Such as: Alarm%20Message(Alarm Message)
SmtpPort=\<int\>	25,1~65535	Smtp port.

1.64. Get the email options

Syntax:

http://<server ipaddr>/cgi-bin/email_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/email_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

SmtpServer=smtp.126.com

MailFrom=ipc-cgi@126.com

MailTo=ipc-email@163l.com.cn

SmtpUser=ipc-cgi1

SmtpPwd=123456

MailTile=Alarm Message

SmtpPort=25

1.65. Set the email options

Syntax:

http://<server ipaddr>/cgi-bin/email_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/email_cgi?action=set&user=admin&pwd=admin&S
mtpServer=smtp%2E126%2Ecom&MailFrom=ipc-cgi%40126%2Ecom&MailTo
=xxx%40163%2Ecom%2Ecn&SmtpUser=ipc-cgi&SmtpPwd=123456&MailTile
=Alarm%20Message&SmtpPort=25

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.66. FTP

Get and set the FTP options.

Note:

This requires administrator access, when the preferred server connection fails, the device enabled the alternate server connection.

Syntax:

http://<server ipaddr>/cgi-bin/ftp_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the FTP options. set = set the FTP options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
FtpURL=<string>	A IP address	Such as: 192%2E168%2E88%2E187
FtpPath=<string>	<string>	Such as:%2Fcapture%2F(/capture/)
FtpUser=<string>	<string>	Valid characters are a thru z, A thru Z

		and 0 thru 9.
FtpPwd=<string>	<string>	Valid characters are a thru z, A thru Z and 0 thru 9.
FtpPort=<int>	21,1~65535	FTP server port.

1.67. Get the FTP options

Syntax:

http://<server ipaddr>/cgi-bin/ftp_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/ftp_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

FtpURL=192.168.55.85

FtpPath=/test/

FtpPort=21

FtpUser=user

FtpPwd=123456

1.68. Set the FTP options

Syntax:

http://<server ipaddr>/cgi-bin/ftp_cgi?action=set[&<parameter>=<value>]

Example: set the alternate server parameter

http://192.168.55.88/cgi-bin/ftp_cgi?action=set&user=admin&pwd=admin&FtpU
RL=192.168.55.58&FtpPath=/testing/&FtpPort=21&FtpUser=usr&FtpPwd=1234657
8

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.69. DDNS

Get and set the DDNS options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/ddns_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the DDNS options. set = set the DDNS options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.

Provider=<string>	NULL,mvddns.net ,3322.org, dyndns.org	Service providers. NULL: Do not enable DDNS service.
DdnsName=<string>	<string>	DDNS registered name.
DdnsPass=<string>	<string>	DDNS registered password.
Domain=<string>	<string>	If DDNS is set successfully, you can access the device through the domain name.
ServerUrl=<string>	<A server URL>	The address of the DDNS server. Such as: members%2Edyndns%2Eorg (members.dyndns.org)
ServerPort=<int>	Valid port number.	The port of the DDNS server.
DdnsMapDataPort=<int>	Valid port number.	Data mapping port.
DdnsMapWebPort=<int>	Valid port number.	Web service mapping port.
UpdateInterval=<int>	0:2 minutes, 1:5 minutes, 2:30 minutes, 3:1 hours, 4: 2 hours, 5: 1 days, 6:IP update.	DDNS update time interval.

1.70. Get the DDNS options

Syntax:

http://<server ipaddr>/cgi-bin/ddns_cgi?action=get&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/ddns_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Provider=dyndns.org

DdnsName= ddns001

DdnsPass= 123456

Domain= mk56.dyndns.org

ServerUrl=members.dyndns.org

ServerPort=30000

DdnsMapDataPort=5000

DdnsMapWebPort=80

UpdateInterval=5 minutes

1.71. Set the DDNS options

Syntax:

http://<server ipaddr>/cgi-bin/ddns_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/ddns_cgi?action=set&user=admin&pwd=admin&Provider=dyndns%2Eorg&DdnsName=ddns001&DdnsPass=123456&Domain=mk56%2Edyndns%2Eorg&ServerUrl=members%2Edyndns%2Eorg&ServerPort=20000&DdnsMapDataPort=500&DdnsMapWebPort=8080&UpdateInterval=1

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.72. VPN

Get and set the VPN options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/vpn_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the VPN options. set = set the VPN options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
VpnSwitch=<string>	open,close	Whether to enable the VPN.
VpnServer=<string>	<string>	The address of the VPN server.
VpnName=<string>	<string>	The user name.
VpnPwd=<string>	<string>	The user password.
VpnIP=<string>	Valid port number.	The IP address of the equipment when VPN enable successful. Can't be set.
VpnStatus=<string>	Valid port number.	The status of the VPN. Can't be set.

1.73. Get the VPN options

Syntax:

http://<server

ipaddr>/cgi-bin/vpn_cgi?action=get&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/vpn_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

VpnSwitch=open

VpnServer=192.168.88.188

VpnName=test1

VpnPwd=123456

VpnIP=0.0.0.0

VpnStatus=dial-up failed 2 times, device will try again!

1.74. Set the VPN options

Syntax:

http://<server ipaddr>/cgi-bin/vpn_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/vpn_cgi?action=set&user=admin&pwd=admin&Vp
nSwitch=open&VpnServer=192.168.88.188&VpnName=test&VpnPwd=123456

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.75. RTSP Parameter

Get and set the RTSP options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/rtsp_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the RTSP options. set = set the RTSP options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
RtspSwitch=<string>	open, close	Whether to enable the RTSP.
RtspMode=<string>	Initiative, Passivity	RTSP service mode.
RtspAuth=<string>	open, close	Whether to enable the RTSP auth.
OnvifAuth	Open,close	OnvifAuth
RtspPacketSize=<int>	1~1460	RTSP data package time.
RtspServer=<string>	<RTSP server address >	When the mode selection to take the initiative to connect, you

		need to set this parameter.
		The address of the RTSP server.
RtspPort=<int>	1~65535	The port of the RTSP server.
MultServer=<int>	<RTSP MultServer address >	The address of the RTSP multicast server.
MultPreVPort=<int>	Valid port number.	The main-stream multicast video port.
MultPreAPort=<int>	Valid port number.	The main-stream multicast audio port.
MultAltVPort=<int>	Valid port number.	Sub-stream multicast video port.
MultAltAPort=<int>	Valid port number.	Sub-stream multicast audio port.

1.76. Get the RTSP options

Syntax:

http://<server ipaddr>/cgi-bin/rtsp_cgi?action=get&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/rtsp_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

RtspSwitch=open

RtspMode=Passivity

RtspAuth=close

RtspPacketSize=1460

RtspServer=0.0.0.0

RtspPort=554

Multicast Options:

MultServer=231.0.0.222

MultPreVPort=5010

MultPreAPort=5012

MultAltVPort=5020

MultAltAPort=5022

OnvifAuth=close

1.77. Set the RTSP options

Syntax:

http://<server ipaddr>/cgi-bin/rtsp_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/rtsp_cgi?action=set&user=admin&pwd=admin&RtspSwitch=close&RtspMode=Initiative&RtspAuth=open&RtspPacketSize=1400&RtspServer=0.0.0.0&RtspPort=553&MultServer=231.0.0.221&MultPreVPort=5001&MultPreAPort=5002&MultAltVPort=5003&MultAltAPort=5004&OnvifAuth=open

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.78. IP Email

Get and set the IP Email options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/ipemail_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the IP Email options. set = set the IP Email options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
IpEmailSwitch =<string>	open, close	Whether to enable the IP Email.
UpdateInterval =<int>	0: Default 1: 1 hour, 2: 2 hour, 3: 1 day, 4: 2 day, 5: 7 day.	IP Email update time interval.

1.79. Get the IP Email options

Syntax:

http://<server ipaddr>/cgi-bin/ipemail_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/ipemail_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

IpEmailSwitch=close

UpdateInterval=Default

1.80. Set the IP Email options

Syntax:

http://<server ipaddr>/cgi-bin/ipemail_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/ipemail_cgi?action=set&user=admin&pwd=admin&IpEmailSwitch=open&UpdateInterval=3

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.81. Center connection

Get and set the center connection options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/connecting_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get=get the center connection options.

		set = set the center connection options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
ConnectCenterSwitch =<string>	open, close	Whether to enable the center connection.
ConnectCenterPort =<int>	Valid port number.	The port of the connection service.
ConnectCenterIP=<string>	An IP address.	Such as: 192%2E167%2E88%2E185(192.168.88.185).

1.82. Get the center connection options

Syntax:

http://<server ipaddr>/cgi-bin/connecting_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/connecting_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

ConnectCenterSwitch=close

ConnectCenterPort=6500

ConnectCenterIP=192.168.55.88

1.83. Set the center connection options

Syntax:

http://<server ipaddr>/cgi-bin/connecting_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/connecting_cgi?action=set&user=admin&pwd=admin&ConnectCenterSwitch=open&ConnectCenterPort=5500&ConnectCenterIP=192%2E168%2E88%2E185

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.84. Mobile monitor

Get and set the mobile monitor options.

Note: This requires administrator access(administrator authorization). This function is not supported.

Syntax:

http://<server ipaddr>/cgi-bin/mobile_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the mobile monitor options. set = set the mobile monitor options.

user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
MobileMode=<string>	CS, P2P	The mobile monitor service mode.
ServerUrl=<string>	<string>	The address of the mobile monitor server. Only the CS mode with this option.
ServerPort=<int>	0~65535	The port of the mobile monitor service.
DeviceId=<int>	0~2147483647	The ID of the device access. Only the CS mode with this option.
RealTime=<string>	Fine, Normal, Basic	Real-time selection of services.
ChannelSwitch0=<string>	open,　close	Whether the access channel 0. Only the CS mode with this option.
ChannelSwitch1=<string>	open,　close	Whether the access channel 1. Only the CS mode with this option.
ChannelSwitch2=<string>	open,　close	Whether the access channel 2. Only the CS mode with this option.
ChannelSwitch3=<string>	open,　close	Whether the access channel 3. Only the CS mode with this option.

1.85. Get the mobile monitor options

Syntax:

http://<server ipaddr>/cgi-bin/mobile_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/mobile_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Mode=CS

ServerUrl=116.113.109.179

ServerPort=15960

DeviceId=2020

RealTime=Basic

ChannelSwitch0=open

ChannelSwitch1=open

ChannelSwitch2=close

ChannelSwitch3=open

1.86. Set the mobile monitor options

Syntax:

http://<server ipaddr>/cgi-bin/mobile_cgi?action=set[&<parameter>=<value>]

Example: Set up mobile phone monitoring mode for P2P mode

http://192.168.55.88/cgi-bin/mobile_cgi?action=set&user=admin&pwd=admin&
Mode=P2P&ServerPort=1606&RealTime=Fine

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK,Device is rebooting\r\n

When the parameter is not changed, return "Param not change\r\n".

1.87. MobileEx monitor

Get and set the mobile monitor options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/mobileEx_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the mobile monitor options. set = set the mobile monitor options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
uuid=<string>	<string>	UUID number

1.88. Get the mobile monitor options

Syntax:

http://<server ipaddr>/cgi-bin/mobileEx_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/mobileEx_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

uuid=umksas2ci8yu

1.89. Set the mobile monitor options

Syntax:

http://<server ipaddr>/cgi-bin/mobileEx_cgi?action=set[&<parameter>=<value>]

Example: Set up mobile phone monitoring mode for P2P mode

http://192.168.55.88/cgi-bin/mobileEx_cgi?action=set&user=admin&pwd=admin
&uuid=umksas2ci8yu

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

When the parameter is changed, device will reboot later.

When the parameter is not changed, return "Param not change\r\n".

1.90. Record

Get and set the record options.

Note:

This requires administrator access, When device has storage (hard disk, SD card, USB disk), schedule Record will be saved to the storage first and do related process based on file storage. Or it will be saved to memory for the moment and do related process based on file storage.

Syntax:

http://<server ipaddr>/cgi-bin/record_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the Record options. set = set the Record options.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
SaveMode=<string>	Ftp, Local	The way to save the video resources.
Time1Switch=<string>	close, open	Time 1 selector switch.
Time1_BgnHour=<int>	0~23	The beginning of the hour value.
Time1_BgnMinute=<int>	0~59	The beginning of the minute value.
Time1_EndHour=<int>	0~23	The end of the hour value.
Time1_EndMinute=<int>	0~59	The end the minute value.
Time2Switch=<string>	close, open	Time 2 selector switch.
Time2_BgnHour=<int>	0~23	The beginning of the hour value.
Time2_BgnMinute=<int>	0~59	The beginning of the minute value.
Time2_EndHour=<int>	0~23	The end of the hour value.

Time2_EndMinute=<int>	0~59	The beginning of the minute value.

1.91. Get the record options

Syntax:

http://<server ipaddr>/cgi-bin/record_cgi?action=get&channel=<value>

&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/record_cgi?action=get&channel=0&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

StreamType=AlternateStream

PackageTime=1

SaveDay=0

OverWrite=1

SaveMode=Ftp

Time1Switch=close

Time1_BngHour=0 Time1_BngMinute=0 Time1_EndHour=20

Time1_EndMinute=59

Time2Switch=close

Time2_BngHour=0 Time2_BngMinute=0 Time2_EndHour=23

Time2_EndMinute=59

1.92. Set the record options of the different channels

Syntax:

http://<server ipaddr>/cgi-bin/record_cgi?action=set&channel=<value>

[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/record_cgi?action=set&channel=0&user=admin&pwd=admin&SaveMode=Local&Time1Switch=open&Time1_BngHour=10&Time1_BngMinute=20&Time1_EndHour=23&Time1_EndMinute=50

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.93. Set the record options (shared by all channels)

Syntax:

http://<server ipaddr>/cgi-bin/record_cgi?action=set[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
StreamType=<string>	PreferredStream, AlternateStream	The stream type of record.
PackageTime=<int>	1,5,10,15,20…60(Minute)	The package time of record.
SaveDay=<int>	0~180(day)	Video resource reservation time. 0: if sufficient storage space, the resources will be permanently saved.
OverWrite=<int>	0,1	When not enough storage space whether to automatically delete old resource. 0:No 1:Yes

Example:

http://192.168.55.88/cgi-bin/record_cgi?action=set&user=admin&pwd=admin&StreamType=AlternateStream&PackageTime=5&SaveDay=0&OverWrite=1

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.94. Snap

Get and set the snap options.

Note:

This requires administrator access, if you use Ftp(Email) to save the image, you need to set the Ftp(Email) parameters first.

Syntax:

http://<server ipaddr>/cgi-bin/snap_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the Record options. set = set the Record options.
channel=<int>	0~3	The channel number of the video.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.

pwd=\<string\>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
SaveMode=\<string\>	Ftp,Local,Email, FtpEmail	The way to save the video resources. FtpEmail means Ftp and Email .
ShootInterval=\<float\>	0.5~1000	The time interval of the captured images.
Time1Switch=\<string\>	close, open	Time 1 selector switch.
Time1_BgnHour=\<int\>	0~23	The beginning of the hour value.
Time1_BgnMinute=\<int\>	0~59	The beginning of the minute value.
Time1_EndHour=\<int\>	0~23	The end of the hour value.
Time1_EndMinute=\<int\>	0~59	The end the minute value.
Time2Switch=\<string\>	close, open	Time 2 selector switch.
Time2_BgnHour=\<int\>	0~23	The beginning of the hour value.
Time2_BgnMinute=\<int\>	0~59	The beginning of the minute value.
Time2_EndHour=\<int\>	0~23	The end of the hour value.
Time2_EndMinute=\<int\>	0~59	The beginning of the minute value.

1.95. Get the snap options

Syntax:

http://\<server ipaddr\>/cgi-bin/snap_cgi?action=get&channel=\<value\>

&user=\<value\>&pwd=\<value\>

Example:

http://192.168.55.88/cgi-bin/snap_cgi?action=get&channel=0&user=admin&pwd
=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

SaveMode=Local

ShootInterval=10.0

Time1Switch=close

Time1_BngHour=10 Time1_BngMinute=25 Time1_EndHour=23

Time1_EndMinute=59

Time2Switch=close

Time2_BngHour=0 Time2_BngMinute=0 Time2_EndHour=23

Time2_EndMinute=59

1.96. Set the snap options

Syntax:

http://<server ipaddr>/cgi-bin/snap_cgi?action=set&channel=<value>

[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/snap_cgi?action=set&channel=0&user=admin&pwd
=admin&SaveMode=Email&ShootInterval=2.5&Time1Switch=close&Time1_BngH
our=10&Time1_BngMinute=20&Time1_EndHour=23&Time1_EndMinute=50

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.97. COM Setting

Get and set the COM setting options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/com_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the DDNS options. set = set the DDNS options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
Baudrate1=<int>	300,600,1200,2400,4800,9600,14400, 19200,38400,56000,57600,115200,128000,256000.	RS485 serial communication baud rate.
DataBits1=<int>	5, 6, 7, 8	RS485 serial communication data bits.
StopBits1=<int>	1, 2	RS485 serial communication stop bits.
CheckType1=<string>	0: None, 1: Odd 2: Even, 3: Mark	Checksum types of RS485 serial communication.

	4: Space	
FlowCtrl1=<string>	None, Hardware, Software	Type of flow control for RS485 serial communication.

1.98. Get the COM options

Syntax:

http://<server ipaddr>/cgi-bin/com_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/com_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

COM RS485:

Baudrate1=9600

DataBits1=8

StopBits1=2

CheckType1=Space

FlowCtrl1=Software

1.99. Set the COM options

Syntax:

http://<server ipaddr>/cgi-bin/com_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/com_cgi?action=set&user=admin&pwd=admin&Ba
udrate1=115200&DataBits1=7&StopBits1=1&CheckType1=1&FlowCtrl1=None

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.100.   System Info

Get the system information.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/systeminfo_cgi?user=<value>&pwd=<value>

Example:

http://192.168.1.88/cgi-bin/systeminfo_cgi?user=admin&pwd=admin

<parameter>=<value>	Values	Description
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
HostName=<string>	<string>	The name of device
Language=<int>	0, 1	0:Chinese, 1:English
Standard=<string>	PAL, NTSC	VO ring out standard
DeviceID=<int>	<int>	The ID of device
SoftwareVersion=<stri	<string>	Software version number

ng>		

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

HostName=IPC1000

Language=0

Standard=PAL

DeviceID=10002634

SoftwareVersion=15.9.140.29

1.101. Upgrade

Device software upgrade.

Note: This requires administrator access(administrator authorization). This
function is not supported at present.

Method: POST

Syntax:

http://<server ipaddr>/cgi-bin/upgrade_cgi?user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/upgrade_cgi?user=admin&pwd=<admin>

Response:

Case1: Upgrade was successful.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK,Device is rebooting\n

Filename = fx_kn_ex_1.8.0.113.uot\n

Size = 1702576 bytes\r\n

Case2: Upgrade failure.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Request failed: The upgrade file is not correct!\r\n

1.102.   Obtaining device firmware version

Note: Login using the user must be "root". **This function is not supported at present.**

Obtaining device firmware version with three steps.

First:

Login equipment remotely via Telnet, Enter your user name and password.

Command: telnet   <service ipaddr>,   then entry "user",

then entry "password".

Example: telnet 192.168.55.88 ,   root,   admin

Second:

Switch to the user directory.

Command: cd /usr

Third:

Obtaining device firmware version.

Command: cat FirmwareVersion

1.103.   DHCP

Note: If a DHCP server is unavailable, the DVS IP address will be 192.168.0.99. And Equipment will be every ten minutes request a DHCP service.

Syntax:

http://<server ipaddr>/cgi-bin/network_cgi?action=set&user=<value>

&pwd=<value>&BootProto=dhcp

Open DHCP service:"set BootProto=dhcp",

Close DHCP service:"set BootProto=none".

Example:

http://192.168.55.88/cgi-bin/network_cgi?action=set&user=admin&pwd=admin
&BootProto=dhcp

Response:

Case 1: system network parameter are changed.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK, Device is rebooting\r\n

Case 2: system network parameter are not changed.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Param not change\r\n

Case 3: system network parameter are error.

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Request failed:Param error\r\n

1.104. SYSLOGO

Note: Log retained for up to 512 records, and Log format according to RFC3164.

Syntax:

http://<server ipaddr>/cgi-bin/sysLog_cgi?user=<value>&pwd=<value>

Return:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

   <PRI><month> <day> <time> <IP>: <action>\n

Example:

  http://192.168.55.88/cgi-bin/sysLog_cgi?user=admin&pwd=admin

Response:

  Case1: get log successful.

  HTTP/1.0 200 OK\r\n

  Content-Type:text/plain\r\n

  \r\n

  <116>2018 Sep 14 16:09:43 192.168.55.88: Power On

  <116>2018 Sep 14 16:34:57 192.168.55.88: Power Off

  <116>2006 Jan   1 00:00:11 192.168.55.88: Power On

  <116>2018 Sep 14 16:28:46 192.168.55.88: Power On

  <116>2006 Jan   1 00:01:30 192.168.55.88: Power On

  <116>2018 Sep 14 16:30:57 192.168.55.88: Power On

            ………

  Case2: get log failed.

  HTTP/1.0 200 OK\r\n

  Content-Type:text/plain\r\n

  \r\n

  Request failed:Allocate memory failure\r\n

Analytical log command: <116>2018 Sep 14 16:30:57 192.168.55.88: Power On.
<PRI>=116:

  PRI = Facility * 8 + Severity.

Facility = log alert (14), Severity = Warning: warning conditions(4).

14 * 8 + 4 = 116.

<month> <day> <time><IP>=   2018 Sep 14 16:30:57 192.168.55.88.

<action>= Power off.

The kinds of action:

"Power On",   "Power off",

"No.<channel+1> Sensor Alarm" ,

"No.<channel+1> Sensor Alarm Finish",

"No.<channel+1>Motion Alarm " ,

"No.<channel+1>Motion Alarm Finish",

"No.<channel+1> Shelter Alarm " ,

"No.<channel+1>Shelter Alarm Finish",

"No.<channel+1> Video Lose Alarm " ,

"No.<channel+1> Video Lose Alarm Finish",

………

1.105. PTZ

Send commands to the PTZ.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/ptz_cgi?action=<value>&user=<value>

&pwd=<value>

with the following values.

<parameter>=<value>	Values	Description
action=<string>	Up, Down, Left, Right,	Up：PTZ move up. AutoOn:

	AutoOn, AutoOff, FocusAdd, FocusSub, ZoomAdd, ZoomSub, LampOn, LampOff, BrushOn, BrushOff.	Enable PTZ move automatic. AutoOff: Enable PTZ move automatic. ZoomAdd：Zoom Up. ZoomSub：Zoom Down. FocusAdd, FocusSub: The equipment to support the automatic focus on function, the interface doesn't work.
user=\<string\>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=\<string\>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
nData=\<int\>	1~255	Preset call
steps=\<int\>	Value >= 0	Step

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Example:

http://192.168.55.88/cgi-bin/ptz_cgi?action=Up&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

1.106.   PTZ Setting

Get or Set the PTZ setting options.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/ptz_setting?action=<value>

[&<parameter>=<value>]

with the following values.

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the PTZ options. set = set the PTZ options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
AutoFlip=<string>	ON, OFF	Whether or not to open the auto flip function.
ProportionalPan=<string>	ON, OFF	Whether or not to open the proportional pan function.
VirtualZero=<string>	Set,OK,Cancel	Set of Clear the "virtual zero position".
ManualLimit=<string>	ON, OFF	Whether or not to open the

		manual limit function.
ScanLimit=<string>	ON, OFF	Whether or not to open the scan limit function.
DomeCameraReset=<string>	ON	Reset dome camera setting.
HSpeed=<int>	1-40(degrees)	Level scanning speed.
VSpeed=<int>	1-20(degrees)	Vertical scanning speed.
ParkMode=<int>	0-14	0:"NO" 1: "Preset 1" 2: "Preset 2" 3:"Preset 3" 4: "Preset 4" 5:"Preset 5" 6: "Preset 6" 7:"Preset 7" 8:"Preset 8" 9:"Auto Scan" 10:"P&T Scan" 11:" Preset Tour 1" 12:" Preset Tour 2" 13:"Figure Scan 1" 14:"Figure Scan 2"
ParkTime=<int>	2-60(Minutes)	The automatic guard start time.
Preset1Num[1-8] =<int>	0-255	The number of Preset position.
Preset1KeepTime[1-8] =<int>	0-3600(second)	Preset dwell time.

Preset2Num[1-8] =<int>	0-255	The number of Preset position.
Preset2KeepTime[1-8] =<int>	0-3600(second)	Preset dwell time.
Time[1-5]Switch=<string >	open, close	Enable Timing tasks.
Time [1-5]Task=<int>	0-14	Like ParkMode.
Time[1-5]BgnHour=<int>	0-23	The time to start the task.
Time[1-5]BgnMinute=<int>	0-59	The time to start the task.
Time[1-5]EndHour=<int>	0-23	The time to start the task.
Time[1-5]EndMinute=<int>	0-59	The time to start the task.

Note: The time can't overlap between the five task.

1.107. Get the PTZ options

Example:

http://192.168.55.88/cgi-bin/ptzsetting_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

PTZ Setting:

AutoFlip=ON

ProportionalPan=OFF

VirtualZero=Not Set

ManualLimit=OFF

ScanLimit=OFF

Scan Speed:

HSpeed=2 VSpeed=1

Park Set:

ParkMode=0 ParkTime=2

Preset Tour:

Preset1Num1=0 Preset1KeepTime1=1

Preset1Num2=0 Preset1KeepTime2=2

Preset1Num3=0 Preset1KeepTime3=3

Preset1Num4=0 Preset1KeepTime4=4

Preset1Num5=0 Preset1KeepTime5=5

Preset1Num6=0 Preset1KeepTime6=6

Preset1Num7=0 Preset1KeepTime7=7

Preset1Num8=0 Preset1KeepTime8=8

Preset2Num1=0 Preset2KeepTime1=10

Preset2Num2=0 Preset2KeepTime2=11

Preset2Num3=0 Preset2KeepTime3=12

Preset2Num4=0 Preset2KeepTime4=13

Preset2Num5=0 Preset2KeepTime5=14

Preset2Num6=0 Preset2KeepTime6=16

Preset2Num7=0 Preset2KeepTime7=15

Preset2Num8=0 Preset2KeepTime8=17

Time Set:

Time1Switch=close Time1Task=0

Time1BgnHour=1 Time1BgnMinute=2 Time1EndHour=3 Time1EndMinute=4

Time2Switch=close Time2Task=0

Time2BgnHour=5 Time2BgnMinute=6 Time2EndHour=7 Time2EndMinute=8

Time3Switch=close Time3Task=0

Time3BgnHour=9 Time3BgnMinute=0 Time3EndHour=0 Time3EndMinute=0

Time4Switch=close Time4Task=0

Time4BgnHour=2 Time4BgnMinute=3 Time4EndHour=2 Time4EndMinute=4

Time5Switch=close Time5Task=0

Time5BgnHour=3 Time5BgnMinute=4 Time5EndHour=3 Time5EndMinute=5

1.108. Set the PTZ options

Example:

http://192.168.55.88/cgi-bin/ptzsetting_cgi?action=set&user=admin&pwd=admin &HSpeed=1&VSpeed=2&ParkMode=3&ParkTime=4&Preset1Num1=5&Preset1 KeepTime1=6&Time1Switch=open&Time1Task=7&Time1BgnHour=8&Time1 BgnMinute=9&Time1EndHour=10&Time1EndMinute=11

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.109. Dome Control

Using the dome control command.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/democontrol_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	PresetSet, PresetCall, PresetClear, PresetGet, FigureScanSet, FigureScanSave, FigureScanRun, FigureScanStop, LevelFlip, ZeroDetection, UpLimit, DownLimit LeftLimit, RightLimit PresetScan1, PresetScan2, PresetScanStop. AppleScan, AppleScanStop	The command to control the dome.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
Title=<string>	<string>,[PresetNum]	The title of the Preset position. When using the command of "PresetSet", Need to set up this parameters.
PresetNum=<int	1-255	The number of the Preset position.

		When using the command of "PresetSet" , "PresetCall"," PresetGet", Need to set up this parameters.
FigureScanNum =<int>	1-2	The number of the Figure Scan. When using the command of "FigureScanSet", Need to set up this parameters.

Example: Set the preset position.

http://192.168.55.88/cgi-bin/domecontrol_cgi?action=PresetSet&user=admin&pwd=admin&Title=test1& PresetNum=15.

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.110.　Get The System Parameters

Get the system parameter in XML format.

Note: This requires administrator access(administrator authorization). This function is not supported at present.

Syntax:

http://<server ipaddr>/cgi-bin/sysparam_cgi?user=<value>&pwd=<value>

Return:

HTTP/1.0 200 OK\r\n

Content-Type:text/xml\r\n

\r\n

< system parameter data>

Parameters as the chart:

```
  <?xml version="1.0" encoding="UTF-8" ?>
- <DOCUMENT>
  - <SysParam>
    + <SysInfo>
    + <SysVideo>
    + <SysAudio>
    + <SysNetwork>
      <SysNetService>
    + <SysFunction>
    + <SysCOM>
    + <UserManage>
    </SysParam>
  </DOCUMENT>
```

1.111. OSD Position

Change the position of text overlay.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/osdposition_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	Up, Down, Right, Left.	The command to control the position of the OSD. Move 8 pixels once.
channel=<int>	0~3	The Title number of the video.
value=<int>	1,2	1: mean change the date, time, bitrate, week position. 2: mean change the title position.
user=<string>	A user name	Valid characters are a thru z, A

		thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.

Example: Move right the title position of the channel 1.

http://192.168.55.88/cgi-bin/osdposition_cgi?channel=0&action=Right&value=2
&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.112. Default parameter setting

The detail of the setting:

1. date_cgi

    a. timezone=23   b. ntpHost=10.200.80.9

2. videocoding_cgi

    a. EncType1=H.264

    b. Resolution1=704*576

    c. BitflowType1=CBR

    d. FrameRate1=15

    e. NormalBitrate1=512

    f. EncType2=H.264

    g. Resolution2=704*576

    h. BitflowType2=CBR

    i. FrameRate2=1

    j. NormalBitrate2=256

3. audio_cgi

a. AudioSwitch=close

4. textoverlay_cgi

    a. TimeValue=1

    b. DateValue=1

    c. WeekValue=0

    d. Color=0

    e. BitrateValue=0

    f. TitleValue=1

5. upnp_cgi

    a. UpnpSwitch=close

6. ddns_cgi

    a. Provider=NULL

7. network_cgi

    a.BootProto=dhcp

8. pwdgrp_cgi

    a. remove all the normal user account which level is two.

When you call the command of "**factorydefault_cgi**" or "**hardfactorydefault_cgi**",

the default setting enable (SW reset).

Press the reset button 3 times within 15 seconds (HW reset).

1.113. SNMP

Get or set SNMP setting.

Note: This requires administrator access(administrator authorization). This function is not supported at present.

Syntax:

  http://<server ipaddr>/cgi-bin/snmp_cgi?<parameter>=<value>

  [&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action =<string>	get, set	get=get the parameter of SNMP setting. set= set the parameter of SNMP setting.
SnmpV1V2Switch =<string>	open, close	open =enabled the SNMP v1/v2 service. close =disabled the SNMP v1/v2 service.
CommunityRO =<string>	<a string>	The value of the community read-only.
CommunityRW =<string>	<a string>	The value of the community read-write.
SnmpTrapsSwitch =<string>	open, close	open =enabled the SNMP trap service. close =disabled the SNMP trap service.
TrapIpAddr=<string>	<a IP address>	The address of the trap service.
TrapCommunity =<string>	<a string>	The value of trap community.
SnmpV3Switch =<string>	open, close	open =enabled the SNMP v3 service. close =disabled the SNMP v3 service.
Username=<string>	<a string>	The user name of the MD5.
Password=<string>	<a string>	The user password of the MD5.
user=<string>	A user name	Valid characters are a thru z, A

		thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.

1.114. Get the SNMP options

Syntax:

http://<server ipaddr>/cgi-bin/snmp_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/snmp_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

SnmpV1V2Switch=open

CommunityRO=

CommunityRW= public

SnmpTrapsSwitch=close

TrapIpAddr=192.168.55.88

TrapCommunity=public

SnmpV3Switch=open

Username= testuser

Password= testpassword

1.115. Set the SNMP options

Syntax:

http://<server ipaddr>/cgi-bin/snmp_cgi?action=set[&<parameter>=<value>]

Example:

http://192.168.55.88/cgi-bin/snmp_cgi?action=set&user=admin&pwd=admin&

SnmpV3Switch=open&Username=testuser&Password=testpassword

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.116. CDP Auto-discovery Protocols

NOTE: Our device will send a CDP packet every 60s. This function is not supported at present.

The following picture is the CDP packet detail content:
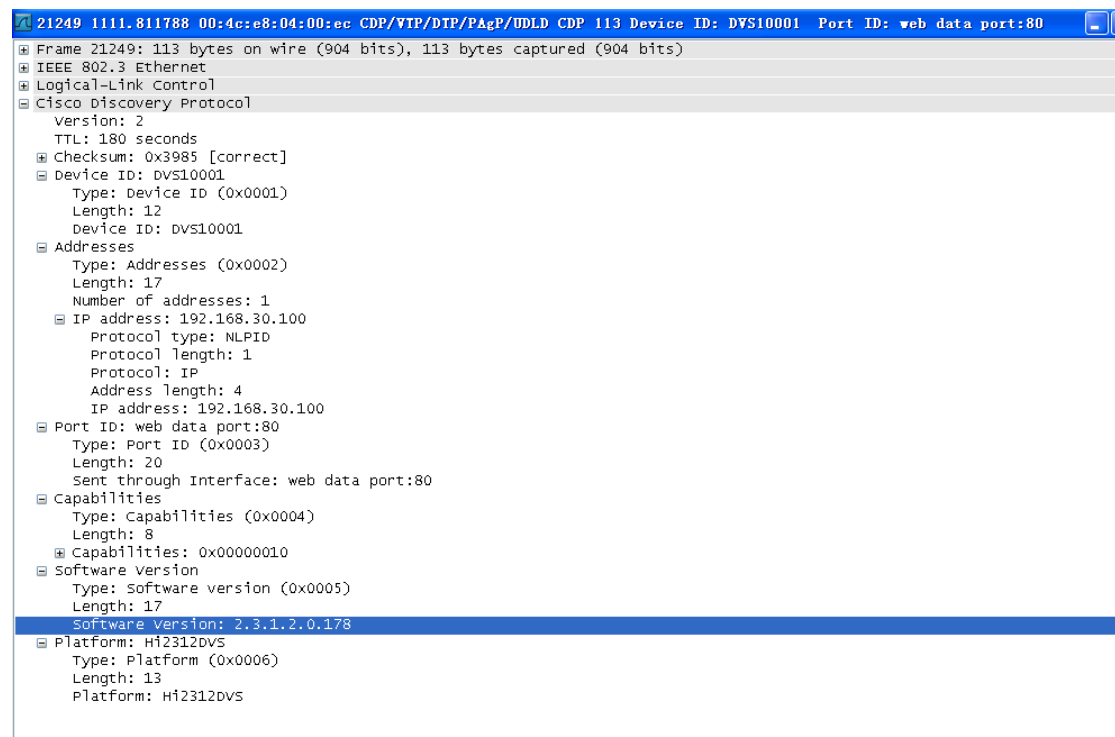
1. CDP header:

   a) CDP protocol version: CDP 2.0

   b) TTL: 180s

   c) Checksum: true

2. Device ID:

    a) Type:0x0001

    b) Length: size of(type) + size of(length) + strlen(device name)

    c) Device ID: (device name).

3. Address: device IP address.

4. Port ID: web data port.

5. Capabilities: Host.

6. Soft version: device firmware version.

7. Platform: Hardware version.

1.117. Storage Devices

Get Storage Devices information, or formatted the Storage Devices.

Note: This requires administrator access(administrator authorization).

Syntax:

  http://<server ipaddr>/cgi-bin/storagedevices_cgi?<parameter>=<value>

  [&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action =<string>	get, Format	get=get the detail of Storage Devices. Format = Formatted the Storage Devices.
StorageNum =<int>	1~4	Select which Storage Devices you want to Format.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.

pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
PackageTime=<int >	5, 15, 20, 25, 30, 60	The time of video package
Bitrate=<int>	0, 1	0: Main stream, 1:Sub stream

1.118. Get Storage Devices information.

Syntax:

http://<server ipaddr>/cgi-bin/storagedevices_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/storagedevices_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type: text/plain\r\n

\r\n

Case 1: Storage Devices are formatted

Storage Device Info:

Title:	TotalSize:	FreeSize:	State:
1 SD	7064	6574	formatted

Case 2: Storage Devices are in formatting

Storage Device Info:

Title:	TotalSize:	FreeSize:	State:
1 SD	0	0	formatting(25%)

Case 2: Didn't have Storage Devices

Storage Device Info:

Title: TotalSize: FreeSize: State:

1.119. Formatted the Storage Devices

Syntax:

http://<server ipaddr>/cgi-bin/ storagedevices _cgi?action=Format&

StorageNum=<value>&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/storagedevices_cgi?action=Format&StorageNum=1

&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type: text/plain\r\n

\r\n

Case 1: Formatted success

OK\r\n

Case 2: Storage Number Error.

Request failed:Storage Number Error\r\n

1.120. set PackageTime and bitrate

Syntax:

http://<server ipaddr>/cgi-bin/ storagedevices _cgi?action=set&

PackageTime=<value>&bitrate=<value>&user=<value>&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/storagedevices_cgi?action=set&PackageTime=15&b

itrate=1&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type: text/plain\r\n

\r\n

OK\r\n

1.121.   Camerasetting

Zoom and Focus.

Syntax:

http://<server ipaddr>/cgi-bin/camerasetting_cgi?[&<parameter>=<value>]

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Values	Description
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
action=<string>	get/set	Specifies what to do.
MirrorControl =<string>	close, open	close, open
FliprControl =<string>	close, open	close, open
LensCorrection =<string>	close, open	close, open
ColorToBlack =<string>	Color, Auto, Black	Color, Auto, Black
3DNRLevel =<string>	close, low, normal, high	close, low, normal, high
WDRLevel =<int>	0~255	WDR value

PowerFrequency =<string>	60HZ, 50HZ	Power Frequency
AutoIris =<string>	close, open	close, open
InfraredDetectMode =<string>	videodetection, timedetection, IRdetection	IR mode
IRLevel =<int>	0~255	Black to color(videodetection status)
IRDayTONigLevel=<int>	0~255	Color to black(videodetection status)
DayDetecttime=<string>	h(0~23):m(0~59):s(0~59)	hour:minute:second(timedetection status)
NightDetecttime=<string>	h(0~23):m(0~59):s(0~59)	hour:minute:second(timedetection status)
PhotoresistorLevel= <string>	low, high, auto	Photo resistor level(IRdetection status)
irtime =<int>	0~60	Black to color(Irdetection status)
CtoBtime=<int>	0~60	Color to black(Irdetection status)
TRCutLevel=<string>	low, high	IR cut level
LedControl=<int>	0~2	0:auto, 1:open, 2:close
InfraredLamp=<string>	low, high	IR Direction
Rotation=<string>	Non, 90, 270	Rotation
MaxAgc=<int>	0~255	Analog gain value
ExpTimeMax=<int>	12,25,30,35,50,100,150,200,250,	Exposure time

	300,400,500,100 0,2000,4000,600 0,8000	
AWBControl<=string>	Auto, Manual	Whether open auto white balance
Red=<int> Green=<int> Blue=<int>	0~255	White Balance Value(Manual mode)
AntiFog=<string>	close, open	Anti fog
AntiDIS=<string>	close, open	Image Stabilizer
AntiFalseColor=<int>	0~255	Anti false color
AntiDIS=<string>	close, open	DIS anti shaking

1.122. Get camera setting

Syntax:

http://<server ipaddr>/cgi-bin/camerasetting_cgi?action=get&user=<value>

&pwd=<value>

Example:

http://192.168.55.88/cgi-bin/camerasetting_cgi?action=get&user=admin&pwd=admin

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

Basic Setting:

MirrorControl=close

FliprControl=close

LensCorrection=close

ColorToBlack=Auto

3DNRLevel=low

WDRLevel=128

PowerFrequency=50HZ

AutoIris=open

IR Setting:

InfraredDetectMode=IRdetection

    PhotoresistorLevel=high

    irtime=4

    CtoBtime=0

TRCutLevel=low

LedControl=auto

InfraredLamp=high

Advanced Setting:

Rotation=Non-Rotation

MaxAgc=160

ExpTimeMax=25

AWBControl=Manual

    Red=128

Green=128

Blue=128

AntiFog=open

AntiFalseColor=0

AntiDIS=close

1.123.   Set camera setting

Syntax:

http://<server ipaddr>/cgi-bin/camerasetting_cgi?action=set[&<parameter>=<value >...]

Example:

http://192.168.55.88/cgi-bin/camerasetting_cgi?action=set&channel=0&user=admin&pwd=admin&MirrorControl=open&FliprControl=open&LensCorrection=open&ColorToBlack=Black&3DNRLevel=normal&WDRLevel=123&PowerFrequency=60HZ&AutoIris=close&InfraredDetectMode=timedetection&DayDetecttime=11:22:33&NightDetecttime=23:59:59&TRCutLevel=high&LedControl=1&InfraredLamp=low&Rotation=270&MaxAgc=111&ExpTimeMax=8000&AWBControl=Manual&Red=204&Green=232&Blue=207&AntiFog=close&AntiFalseColor=222&AntiDIS=open

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.124.   faceparameter_cgi

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server ipaddr>/cgi-bin/ faceparameter_cgi?<parameter>=<value>

[&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description
action=<string>	get set	Get=get the parameter of Face setting Set= set the parameter of Face setting
DetectArea_enable=<int>	0:close 1:open	Enable Face *DetectArea*
DetectArea_x=<int>	0~704	The x coordinate values of the detection area .
DetectArea_y=<int>	0~576	The y coordinate values of the detection area .
DetectArea_w=<int>	0~704	The width of the detection area .
DetectArea_h=<int>	0~576	The height of the detection area .
FaceTime[1-2]Switch=<str ing>	open, close	Enable Timing tasks.
FaceTime[1-2]_BgnHour= <int>	0-23	The time to start the task.
FaceTime[1-2]_BgnMinut e=<int>	0-59	The time to start the task.
FaceTime[1-2]_EndHour= <int>	0-23	The time to end the task.
FaceTime[1-2]_EndMinut	0-59	The time to end the task.

e=<int>		
enable=<int>	0,1	Open or close
sensitivity =<int>	0~10	Snap sensitivity
snapMode =<int>	0~6	0= Snap after leaving(distance optimized)
		1= Quick snap
		2= Snapshot in seconds
		3= Snapshot at frame intervals
		4= A single mode
		5=Snap after leaving(quality optimized)
		6=Quick & Snap after leaving
beatTime=<int>	1~3	Maximum snap times(snapMode:0,5)
TrackFrameNum	10~1500	FastCaptureFrames(snapMode=1,6)
IntervalTime=<int>	1~30	interval Time (second)(snapMode=2)
IntervalFrame=<int>	10~1500	EveryNthFrame (frame)(snapMode=3)
GateIntervalFrame=<int>	10~1500	EveryNthFrame (frame)(snapMode=4)
faceMinPixel=<int>	30~300	Minimum face pixel
MaxFaceSize=<int>	300~500	MAX face pixel
expansionCoeff=<int>	0~10	Face expansion coefficient
faceScene=<int>	0~1	0: Conventional scene
		1: The lobby scene

Trackmode=<int>	0~1	0:close 1: open
FTPUpLoadEnable=<int>	0~1	0:close 1: open
FaceProtocolEnable=<int>	0~1	0:close 1: open
ServerIP=<string>	ipaddr	
ServerPort=<int>	port	
PicMode=<int>	0~2	0:Face 1: The original image 2: Face and original image
faceQuality=<int>	1-99	faceQuality
originalQuality=<int>	1~99	Original frame quality
PicPrefixEnable =<int>	0~1	0：the default 1：custom prefixes
PicPrefix=<string>		Valid characters are a thru z, A thru Z and 0 thru 9.
LibVersion	1.6.3	Only support to get the value
ModelVersion	2.9	Only support to get the value
ResetFaceParam=<int>	1	Reset all the face param
user=<string>	A user	Valid characters are a thru z, A

	name	thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
IntervalSnapNum=<int>	0~20	Number of continuous snapshots(frame)(snap Mode =2,3) 0:Continuous capture

1. Obtain various facial configuration parameters：
http://<ip>/cgi-bin/faceparameter_cgi?action=get&user=admin&pwd=admin

2. Set face configuration parameters：
http://<ip>/cgi-bin/faceparameter_cgi?action=set&[<parameter>=<value>…]&user=admin&pwd=admin

3. Corresponding parameter description：
3.1 defense time period 1：

Switch：&FaceTime1Switch【close：close； open：open】

&FaceTime1_BgnHour=【0~23】

&FaceTime1_BgnMinute=【0~59】

&FaceTime1_EndHour=【0~23】

&FaceTime1_EndMinute=【0~59】

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&FaceTime1Switch=open&FaceTime1_BgnHour=0&FaceTime1_BgnMinute=0&FaceTime1_EndHour=23&FaceTime1_EndMinute=59&user=admin&pwd=admin

3.2 defense time period 2：

Switch：&FaceTime2Switch【close：close； open：open】

&FaceTime2_BgnHour=【0~23】

&FaceTime2_BgnMinute=【0~59】

&FaceTime2_EndHour=【0~23】

&FaceTime2_EndMinute=【0~59】

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&FaceTime2Switch=open&FaceTime2_BgnHour=0&FaceTime2_BgnMinute=0&FaceTime2_EndHour=23&FaceTime2_EndMinute=59&user=admin&pwd=admin

3.3 face detection switch：&enable=[0-1] ok

0: close;

1: open

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&enable=0&user=admin&pwd=admin

3.4 sensitivity to grip：&sensitivity=[0-10] ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&sensitivity=8&user=admin&pwd=admin

3.5 snapshot mode：&snapMode=[0-4] ok

0：snap after leaving

1：quick snapshot

2：interval snapshot (in seconds)

3：interval snapshot (frame is unit)

4：single player mode

5：Snap after leaving(quality optimized)

6：Quick & Snap after leaving

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=3&user=admin&pwd=admin

3.5.1 maximum capture times：&beatTime=[1-3]

（snapMode=0）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=0&beatTime=3&user=admin&pwd=admin

3.5.2 number of fast snapshot frames：&TrackFrameNum=[10-1500]

（snapMode=1 or snapMode=6 is valid）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=1&TrackFrameNum=25&user=admin&pwd=admin

3.5.3 interval snapshot (in seconds) - IntervalTime:&IntervalTime=[1-30] ,

（snapMode=2 is valid）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=2&IntervalTime=3&user=admin&pwd=admin

3.5.4 interval snapshot (frame is unit)- intervalFramenum ：
&IntervalFrame=[10-1500]

（snapMode=3 is valid）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=3&IntervalFrame=30&user=admin&pwd=admin

3.5.5 single-player mode - number of interval frames：
&GateIntervalFrame=[10-1500]

（snapMode=4 is valid）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=4&GateIntervalFrame=30&user=admin&pwd=admin

3.6 minimum pixel of face recognition：&MaxFaceSize=[300-500] ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&MaxFaceSize=300&user=admin&pwd=admin

3.7 minimum pixel of face recognition：&faceMinPixel=[30-300] ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&faceMinPixel=30&user=admin&pwd=admin

3.8 facial peripheral region expansion coefficient：&expansionCoeff=[0-10] ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&expansionCoeff=0&user=admin&pwd=admin

3.9 faceScene：&faceScene=[0-1] ok

0：general scenario

1：lobby scene

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&faceScene=0&user=admin&pwd=admin

3.10 face tracking box：&Trackmode=[0-1] ok

0:close

1:open

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&Trackmode=0&user=admin&pwd=admin

3.11 FTP upload：&FTPUpLoadEnable=[0-1] ok

0:close

1:open

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&FTPUpLoadEnable=0&user=admin&pwd=admin

3.12 Image upload format：&PicMode=[0-2] ok

0：face

1：original image

2：face and original image
http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&PicMode=0&user=admin&pwd=admin

3.13 face image quality：&faceQuality=[1-99]　ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&faceQuality=99&user=admin&pwd=admin

3.14 OriginalQuality：&originalQuality=[1-99] ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&originalQuality=99&user=admin&pwd=admin

*3.15*face image name：&PicPrefixEnable[0-1] ok

0：the default

1：custom prefixes

&PicPrefix=

Custom prefix string（1~15 characters，consisting of letters and Numbers）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&PicPrefixEnable=1&PicPrefix=abcd&user=admin&pwd=admin

3.16 private protocol：&FaceProtocolEnable[0-1] ok

0:close

1:open

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&FaceProtocolEnable=1&user=admin&pwd=admin

Server IP：&ServerIP=[ipaddr]

*Server*port：&ServerPort=[port]

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&FaceProtocolEnable=1&ServerIP=192.168.1.255&ServerPort=1277&user=admin&pwd=admin

3.17 recovery Settings：&ResetFaceParam[1] ok

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&ResetFaceParam=1&user=admin&pwd=admin

3.18 identification area

&DetectArea_enable=[0-1]

0：close

1：open

&DetectArea_x=[0-704]

&DetectArea_y=[0-576]

&DetectArea_w=[0-704]

&DetectArea_h=[0-576]

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&DetectArea_enable=1&DetectArea_x=0&DetectArea_y=0&DetectArea_w=704&DetectArea_h=576&user=admin&pwd=admin

3.19 IntervalSnapNum： IntervalSnapNum=[0~20] ok

   0**:** Continuous capture

   1: once

   2:twice

   ....

   20:Twenty times

 （snapMode=2 or snapMode=3 is valid）

http://192.168.55.253/cgi-bin/faceparameter_cgi?action=set&snapMode=2&IntervalSnapNum=0&user=admin&pwd=admin

1.125. SmartDetect

Get and set the smartdetect alarm options.

Note: This requires administrator access(administrator authorization).When device has storage (hard disk, SD card, USB disk), linkage Snap, linkage Record document will be saved to storage first and do related process based on file storage. Or it will be saved to memory for the moment and do related process based on file storage.

Syntax:

   http://<server ipaddr>/cgi-bin/smartdetect_cgi?<parameter>=<value>

   [&<parameter>=<value>]

with the following parameters and values.

<parameter>=<value>	Values	Description

action=<string>	get, set	get = get the smartdetect options. set = set the smartdetect options.
selectDetect=<string>	crossarea, oddetect crossline, detectcolor lumadetect,detectsound loseobj	Select smartdetect item crossline:cross-corder detection crossarea:regional invasion oddetect:video shade detectcolor:color abnormal lumadetect:brightness abnormal detectsound:sound abnormal loseobj:left-behind items other Item Can't do it
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
If(crossline) DetectArea0_x0=<int>	0~704	The x0 coordinate values of the detection area 0.
If(crossline) DetectArea0_y0=<int>	0~576	The y0 coordinate values of the detection area 0.
If(crossline) DetectArea0_x1=<int>	0~704	The x1 coordinate values of the detection area 0.

If(crossline) DetectArea0_y1=<int>	0~576	The y1 coordinate values of the detection area 0.
---------------------------	---------------------------	--------------------------------------
If(crossarea) DetectArea0_x0=<int>	0~704	The x0 coordinate values of the detection area 0.
If(crossarea) DetectArea0_y0=<int>	0~576	The y0 coordinate values of the detection area 0.
If(crossarea) DetectArea0_x1=<int>	0~704	The x1 coordinate values of the detection area 0.
If(crossarea) DetectArea0_y1=<int>	0~576	The y1 coordinate values of the detection area 0.
If(crossarea) DetectArea0_x2=<int>	0~704	The x2 coordinate values of the detection area 0.
If(crossarea) DetectArea0_y2=<int>	0~576	The y2 coordinate values of the detection area 0.
If(crossarea) DetectArea0_x3=<int>	0~704	The x3 coordinate values of the detection area 0.
If(crossarea) DetectArea0_y3=<int>	0~576	The y3 coordinate values of the detection area 0.
If(crossarea) DetectArea1_x0=<int>	0~704	The x0 coordinate values of the detection area 1.
If(crossarea) DetectArea1_y0=<int>	0~576	The y0 coordinate values of the detection area 1.

DetectArea1_y0=<int>		
If(crossarea) DetectArea1_x1=<int>	0~704	The x1 coordinate values of the detection area 1.
If(crossarea) DetectArea1_y1=<int>	0~576	The y1 coordinate values of the detection area 1.
If(crossarea) DetectArea1_x2=<int>	0~704	The x2 coordinate values of the detection area 1.
If(crossarea) DetectArea1_y2=<int>	0~576	The y2 coordinate values of the detection area 1.
If(crossarea) DetectArea1_x3=<int>	0~704	The x3 coordinate values of the detection area 1.
If(crossarea) DetectArea1_y3=<int>	0~576	The y3 coordinate values of the detection area 1.
If(crossarea) DetectArea2_x0=<int>	0~704	The x0 coordinate values of the detection area 2.
If(crossarea) DetectArea2_y0=<int>	0~576	The y0 coordinate values of the detection area 2.
If(crossarea) DetectArea2_x1=<int>	0~704	The x1 coordinate values of the detection area 2.
If(crossarea) DetectArea2_y1=<int>	0~576	The y1 coordinate values of the detection area 2.
If(crossarea)	0~704	The x2 coordinate values of the detection area 2.

DetectArea2_x2=<int>		
If(crossarea) DetectArea2_y2=<int>	0~576	The y2 coordinate values of the detection area 2.
If(crossarea) DetectArea2_x3=<int>	0~704	The x3 coordinate values of the detection area 2.
If(crossarea) DetectArea2_y3=<int>	0~576	The y3 coordinate values of the detection area 2.
If(crossarea) DetectArea3_x0=<int>	0~704	The x0 coordinate values of the detection area 3.
If(crossarea) DetectArea3_y0=<int>	0~576	The y0 coordinate values of the detection area 3.
If(crossarea) DetectArea3_x1=<int>	0~704	The x1 coordinate values of the detection area 3.
If(crossarea) DetectArea3_y1=<int>	0~576	The y1 coordinate values of the detection area 3.
If(crossarea) DetectArea3_x2=<int>	0~704	The x2 coordinate values of the detection area 3.
If(crossarea) DetectArea3_y2=<int>	0~576	The y2 coordinate values of the detection area 3.
If(crossarea) DetectArea3_x3=<int>	0~704	The x3 coordinate values of the detection area 3.
If(crossarea)	0~576	The y3 coordinate values of the detection area 3.

DetectArea3_y3=<int>		
----------------------------	----------------------------	---
If(oddetect) DetectArea0_x=<int>	0~704	The x coordinate values of the detection area 0.
If(oddetect) DetectArea0_y=<int>	0~576	The y coordinate values of the detection area 0.
If(oddetect) DetectArea0_w=<int>	0~704	The width of the detection area 0.
If(oddetect) DetectArea0_h=<int>	0~576	The height of the detection area 0.
If(oddetect) DetectArea1_x=<int>	0~704	The x coordinate values of the detection area 1.
If(oddetect) DetectArea1_y=<int>	0~576	The y coordinate values of the detection area 1.
If(oddetect) DetectArea1_w=<int>	0~704	The width of the detection area 1.
If(oddetect) DetectArea1_h=<int>	0~576	The height of the detection area 1.
If(oddetect) DetectArea2_x=<int>	0~704	The x coordinate values of the detection area 2.
If(oddetect) DetectArea2_y=<int>	0~576	The y coordinate values of the detection area 2.

If(oddetect) DetectArea2_w=\<int\>	0~704	The width of the detection area 2.
If(oddetect) DetectArea2_h=\<int\>	0~576	The height of the detection area 2.
If(oddetect) DetectArea3_x=\<int\>	0~704	The x coordinate values of the detection area 3.
If(oddetect) DetectArea3_y=\<int\>	0~576	The y coordinate values of the detection area 3.
If(oddetect) DetectArea3_w=\<int\>	0~704	The width of the detection area 3.
If(oddetect) DetectArea3_h=\<int\>	0~576	The height of the detection area 3.
If(oddetect) Sensitivity\<int\>	0~255	The Sensitivity of detect shade
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If(loseobj) DetectArea0_x=\<int\>	0~704	The x coordinate values of the detection area 0.
If(loseobj) DetectArea0_y=\<int\>	0~576	The y coordinate values of the detection area 0.
If(loseobj) DetectArea0_w=\<int\>	0~704	The width of the detection area 0.
If(loseobj)	0~576	The height of the detection area 0.

DetectArea0_h=<int>		
If(loseobj) DetectArea1_x=<int>	0~704	The x coordinate values of the detection area 1.
If(loseobj) DetectArea1_y=<int>	0~576	The y coordinate values of the detection area 1.
If(loseobj) DetectArea1_w=<int>	0~704	The width of the detection area 1.
If(loseobj) DetectArea1_h=<int>	0~576	The height of the detection area 1.
If(loseobj) DetectArea2_x=<int>	0~704	The x coordinate values of the detection area 2.
If(loseobj) DetectArea2_y=<int>	0~576	The y coordinate values of the detection area 2.
If(loseobj) DetectArea2_w=<int>	0~704	The width of the detection area 2.
If(loseobj) DetectArea2_h=<int>	0~576	The height of the detection area 2.
If(loseobj) DetectArea3_x=<int>	0~704	The x coordinate values of the detection area 3.
If(loseobj) DetectArea3_y=<int>	0~576	The y coordinate values of the detection area 3.
If(loseobj)	0~704	The width of the detection area 3.

DetectArea3_w=<int>		
If(loseobj) DetectArea3_h=<int>	0~576	The height of the detection area 3.
If(loseobj) Losetime<string>	0~10	The lose time of the losedetect
If(loseobj) Direction<int>	0~1	0:close 1:open
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If(lumadetect) Sensitivity<string>	0~255	The Sensitivity of detect brightness
If(detectsound) Sensitivity<string>	0~255	The Sensitivity of detect sound
If(detectcolor) Sensitivity<string>	0~2000	The Sensitivity of detect color
EnableSwitch=<string>	close, open	Whether to open the detect
EMailSwitch=<string>	close, open	Whether the alarm is sent to the email.
Time1Switch=<string>	close, open	Time 1 selector switch.
Time1_BgnHour=<int>	0~23	The beginning of the hour value.
Time1_BgnMinute=<int>	0~59	The beginning of the minute value.
Time1_EndHour=<int>	0~23	The end of the hour value.
Time1_EndMinute=<in	0~59	The end the minute value.

t>		
Time2Switch=<string>	close, open	Time 2 selector switch.
Time2_BgnHour=<int>	0~23	The beginning of the hour value.
Time2_BgnMinute=<int>	0~59	The beginning of the minute value.
Time2_EndHour=<int>	0~23	The end of the hour value.
Time2_EndMinute=<int>	0~59	The end the minute value.
OutputSwitch=<string>	close, open	Whether the alarm is sent to the warning lights.
OutputDuration=<int>	0~2*60*60	Alarm output duration.
SnapSwitch=<string>	close, open	When the motion alarm occurs, whether to snap.
SnapNum=<int>	0~3600	The number of captured images.
SnapInterval=<float>	0~3600,0.5,1.5	The interval of captured images.
SnapSaveMode=<string >	Local,Ftp,Email FtpEmail	The way to save the pictures. FtpEmail means Ftp and Email .
RecordSwitch=<string>	close, open	When the motion alarm occurs, whether to record.
RecordTime=<int>	0~2*60*60	Recording continuous time.
RecordSaveMode=<string>	Local,Ftp	The way to save the Video resource.
AudioSwitch<string>	open,close	The Audio out switch
IoAlarmSwitch<string>	open,close	The IoOutType switch

1.126.   Get the motion alarm options

Syntax:

  http://<server ipaddr>/cgi-bin/smartdetect_cgi?action=get& selectDetect =<Item>&user=<value>&pwd=<value>

Example:

  http://192.168.55.88/cgi-bin/smartdetect_cgi?action=get&selectDetect= oddetect &user=admin&pwd=admin

Response:

DetectArea0_x=0   DetectArea0_y=0   DetectArea0_w=704 DetectArea0_h=576

DetectArea1_x=0   DetectArea1_y=0   DetectArea1_w=0   DetectArea1_h=0

DetectArea2_x=0   DetectArea2_y=0   DetectArea2_w=0   DetectArea2_h=0

DetectArea3_x=0   DetectArea3_y=0   DetectArea3_w=0   DetectArea3_h=0

EnableSwitch=open

Sensitivity=1

Time1Switch=close

Time1_BgnHour=0   Time1_BgnMinute=0   Time1_EndHour=23

Time1_EndMinute=30

Time2Switch=close

Time2_BgnHour=6   Time2_BgnMinute=10   Time2_EndHour=10

Time2_EndMinute=20

EMailSwitch=open

OutputSwitch=open

OutputDuration=20

IoAlarmSwitch=open

SnapSwitch=close

SnapNum=100

SnapInterval=1.5

SnapSaveMode=Ftp

RecordSwitch=open

RecordTime=10

RecordSaveMode=Ftp

AudioSwitch=close

1.127.   Set the motion alarm options

Syntax:

http://<server ipaddr>/cgi-bin/smartdetect_cgi?action=set& selectDetect =<item>[&parameter =<value>…]

You can set the value of a parameter or all the parameters value.

Example: Set the motion alarm parameters of the first channel.

http://192.168.55.88/cgi-bin/smartdetect_cgi?action=set&selectDetect=oddetect&
user=admin&pwd=admin&EnableSwitch=open&EMailSwitch=open&Time1Swi
tch=open&Time1_BgnHour=0&Time1_BgnMinute=0&Time1_EndHour=20&Ti
me1_EndMinute=30&DetectArea0_x=0&DetectArea0_y=0&DetectArea0_w=70
4&DetectArea0_h=300&RecordSwitch=open&RecordTime=71&RecordSaveMo
de=Ftp&AudioSwitch=open&IoAlarmSwitch=open

Response:

HTTP/1.0 200 OK\r\n

Content-Type:text/plain\r\n

\r\n

OK\r\n

1.128.   System InfoAdd

Get the system information.

Note: This requires administrator access(administrator authorization).

Syntax:

http://<server

ipaddr>/cgi-bin/systeminfoAdd_cgi?user=<value>&pwd=<value>&action=<valu

e>

Example:

http://192.168.1.88/cgi-bin/systeminfoAdd_cgi?user=admin&pwd=admin*&action=ge*
t

<parameter>=<value>	Values	Description
action=<string>	get, set	get = get the info options. set = set the info options.
user=<string>	A user name	Valid characters are a thru z, A thru Z and 0 thru 9.
pwd=<string>	A user password	Valid characters are a thru z, A thru Z and 0 thru 9.
DeviceName=<string>		DeviceName
ViVoStandard =<string>	PAL,NTSC	VoStandard
language =<int>	0:chinise 1:english	language

Example: Set the motion alarm parameters of the first channel.

http://192.168.1.88/cgi-bin/systeminfoAdd_cgi?user=admin&pwd=admin*&action=se*
t&DeviceName=IPC1001&language=0