DATE: 2024-05-07

Platform Lib Version: 7.0.3

TABLE OF CONTENTS

1. Generic

1.1. Generic Return Example

Response example 1: user/password error.

HTTP/1.1 200 OK

Date: Sun Dec 2 02:39:43 2001

Transfer-Encoding: chunked

Connection: keep-alive

X-Frame-Options: SAMEORIGIN

\r\n

error user/pwd\r\n

Response example 2: error json or command.

HTTP/1.1 200 OK

Date: Sun Dec 2 02:39:43 2001

Transfer-Encoding: chunked

Connection: keep-alive

X-Frame-Options: SAMEORIGIN

\r\n

error json\r\n

Response example 3: return json content description

parameter	Description	Note
code	error code	Number, refer to Error Code
device_mac	mac	String

deviceID	Device ID	String
device_id	Device ID	String
device_ip	Device IP	String
log	return info	String

1.2. Generic Send Url Example

Syntax:

http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=<value>&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	**Description**	**Note**
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getPlatformServer/setPlatformServ	Get/Set interface name

	e	
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

1.3. Error Code

Error Code description：

Number	Description
0	normal
1-100	libcurl error code,refer to https://curl.se/libcurl/c/libcurl-errors.html
-101	The file name ID ID is the same
-102	Libraries full
-103	Adding a timeout
-104	Parameter error
-105	File is too large
-106	Insufficient storage space
-107	File open failed
-108	No database
-109	Image reading failed

-110	Database file is damaged
-111	Picture quality is poor
-112	Image size is wrong, width and height cannot be odd numbers
-113	Face detection failed (no face detected or multiple faces detected)
-114	Picture format error
-115	Face area error
-116	Algorithm creates a handle error
-117	Device is busy
-118	File writing failed
-119	Deletion failed (the corresponding ID was not found to delete)
-120	Failed to allocate memory
-121	The number of people in the list is NULL
-122	Valid time error
-123	Failed to write characteristic value
201	Parameter does not exist
202	User id already exists

203	User id does not exist
204	Device is busy
205	The parameter is invalid
206	Administrator password error
207	Picture name does not meet the rules
208	No new information
209	Device not supported
210	The file format is not supported
299	No reaction

2. TELNET

Syntax:

http://<server ipaddr>/action/telnet?action=<vaule>

<parameter>=<value>	Description	Note
action=<string>	open/close telnet	open:open telnet close:close telnet

Example:

http://192.168.1.89/action/telnet?action=open

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

<html><body><h2> oper: open</h2></body></html>

OK

3. JPEG images(snapshot) request

Syntax:

http://<server ipaddr>/action/cgi_images?fmt=<vaule>

The server returns either a JPEG/bmp/yuv image or failed or null when this request is made

Note: fmt indicates the image format. bmp or yuv is optional. jpg is returned if not specified. If the selected format is not supported, failed is displayed

Example:

http://192.168.1.89/action/cgi_images

http://192.168.1.89/action/cgi_images?fmt=bmp

http://192.168.1.89/action/cgi_images?fmt=yuv

Response example:

HTTP/1.0 200 OK\r\n

Content-Length: 195796\r\n

Content-Type: image/jpeg\r\n

\r\n

<JPEG image date>\r\n

4. Change User Password

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPasswd&json={[<parameter>:<value >...]}

Description of json settable parameters：

parameter	Description	Necessary	Note
oldPassword	old password	Y	String,encrypted with Md5
newPassword	new password	Y	String

Example: Setting all parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPasswd&json={"newPassword":"1234567","oldPassword":"e10adc3949ba59abbe56e057f20f883e"}
```

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

5. System Configuration

System configuration acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=getSysConfig&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	

pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getPlatformServer/setPlatformServe	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

5.1. Get System Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getSysConfig

return json content description：

parameter	Description	Settable	Note
language	system language	Y	Number, 0:Chinese, 1:English, 4:Russia
dev_name	device name	Y	String

version	system version	N	String
pf_version	platform lib verison	N	String
ai_version	AI lib version	N	String
ui_version	UI lib version	N	String
webPort	Web port	N	Number
device_mac	Mac	N	String
kernel_version	kernel version	N	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getSysConfig

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"version":"14.030.19.3_MAIN_V3(221114)",

"ai_version":"",

"ui_version":"",

"pf_version":"platform_8hours v4.7.1D",

"dev_name":"IPCamera",

"language":0,

"webPort":80,

"dev_type":1,

"ivs_mask":1,

"dev_mask":0,

"update_type":268828701,

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

5.2. Set System Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setSysConfig&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Nec	Note

		essary	
language	System language	N	Number, 0:Chinese, 1:English, 4:Russia
dev_name	Device Name	N	String

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setSysConfig&json={"language":1,"dev_name":"test"}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

6. Device Reset

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=reset&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
netReset	reset device network configuration	Y	Number,0:not reset,1:reset
userReset	reset device user configuration	Y	Number,0:not reset,1:reset

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=reset&json={"netReset":1,"userReset":1}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

7. Device Restart

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=restart

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=restart

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

8. Device Timed Restart

Device Timed Restart acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=getRebootConf

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note

user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

8.1. Get Reboot Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRebootConf

return json content description：

parameter	Description	Settable	Note
day_week	Reboot Time(Week)	Y	Number, 0:Sunday, 1:Monday, 2:Tuesday, 3:Wednesday, 4:Thursday,

			5:Friday, 6:Saturday
hour	Reboot Time(hour)	Y	Number, max:23, min:0
minute	Reboot Time(minute)	Y	Number, max:59, min:0
mode	Reboot Mode	Y	Number, 0:Never Restart, 2:Every Day, 4:Every Week

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getRebootConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"mode": 0,

"day_week": 0,

"hour": 0,

"minute": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

8.2. Set Reboot Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setRebootConf &json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
day_week	Reboot Time(Week)	N	Number, 0:Sunday, 1:Monday, 2:Tuesday,

			3:Wednesday, 4:Thursday, 5:Friday, 6:Saturday
hour	Reboot Time(hour)	N	Number, max:23, min:0
minute	Reboot Time(minute)	N	Number, max:59, min:0
mode	Reboot Mode	Y	Number, 0:Never Restart, 2:Every Day, 4:Every Week

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setWiredNetwork&json={"mode":4,"day_week":3,"hour":4,"minute":30}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

9. PTZ Control

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPtzControl &json={[<parameter>:<value >...]}

Note: The device will continue to move until a stop command is issued .

Description of json settable parameters：

parameter	Description	Necessary	Note

channel	channel	Y	Number,fix to 0
speed_h	speed for horizontal	Y	Number, max:100, min:1
speed_v	speed for vertical/preset point	Y	Number, max:100, min:1
ptz_cmd	ptz command	Y	Number, 21:stop control 71:move top-left, 1:move top, 73:move top-right, 3:move left, 69:refresh position, 4:move right, 72: move bottom-left, 2:move bottom, 74:move bottom-right, 10:zoom -,

			9:zoom +, 6:focus -, 5:focus +, 8:aperture -, 9:aperture +, 13:light, 11:anxiliaryFocus, 20: Calls the current preset point(speed_v), 19:set the current preset point(speed_v)

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPtzControl&json={"speed_h":50,"speed_v":50,"channel":0,"ptz_cmd":1}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

9.1. Set the preset number

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPtzControl&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters:

parameter	Description	Necessary	Note
speed_v	Preset number	Y	Number
channel	channel	Y	Number,fix to 0
ptz_cmd	ptz command	Y	Number,fix to 19

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPtzControl&json={"speed_v":10,"channel":0,"ptz_cmd":19}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

9.2. Call the preset number

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPtzControl&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
speed_v	Preset number	Y	Number
channel	channel	Y	Number,fix to 0
ptz_cmd	ptz command	Y	Number,fix to 20

Example: Setting all parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPtzControl&json={"speed_v":10,"channel":0,"ptz_cmd":19}
```

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{
"code":0,
"device_mac":"88-07-cb-00-02-be",
"deviceID":"CBT000114010100010238",
"device_id":"CBT000114010100010238",
"log":"",
"device_ip":"192.168.1.89"
}

10. Time Configuration

Time Configuration acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=getDeviceTime&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user	

	name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

10.1. Get Time Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getDeviceTime

return json content description：

parameter	Description	Settable	Note
deviceTime	Device Time	N	Number,TimeStamp(s)
ntp_enable	NTP Synchronization	Y	Number,0:close,1:open
ntpServer	NTP Time Server	Y	String
timeInterval	Update Interval	Y	Number
timeZone	Time Zone	Y	Number,

			0:[UTC-12:00] Day Line West, 1:[UTC-11:00] Midway island, Samoa, 2:[UTC-10:00] Hawaii, 3:[UTC-09:00] Alaska, 4:[UTC-08:00] Pacific Time (USA + Canada), 5:[UTC-07:00] Mountain Time (USA + Canada), 6:[UTC-06:00] Central Time (USA + Canada), Mexico City, 7:[UTC-05:00] EASTERN Time (USA + Canada), Bogota, Lima, 8:[UTC-04:00] Atlantic Time (Canada),

			Caracas, La Paz, 9:[UTC-03:30] Newfoundland, 10:[UTC-03:00] Brasilia, Buenos Aires, Georgetown, 11:[UTC-02:00] Mid-Atlantic, 12:[UTC-01:00] Azores, Cape Verde Islands, 13:[UTC+00:00] Dublin, London, Western Europe, Lisbon, Casablanca, 14:[UTC+01:00] Berlin, Brussels, Copenhagen, Madrid, Paris, 15:[UTC+02:00] Athens, Jerusalem, Kaliningrad, South

			Africa, 16:[UTC+03:00] Baghdad, Riyadh, Moscow, St Petersburg, 17:[UTC+03:30] Tehran, 18:[UTC+04:00] ABU Dhabi, Muscat, Baku, Tbilisi, 19:[UTC+04:30] Kabul, 20:[UTC+05:00] Islamabad, Yekaterinburg, Karachi, Tashkent, 21:[UTC+05:30] Mumbai, Kolkata, Madras, New Delhi, 22:[UTC+05:45] Kathmandu, 23:[UTC+06:00] Almaty, Dhaka,

			Colombo, 24:[UTC+06:30] Rangoon, 25:[UTC+07:00] Bangkok, Hanoi, Jakarta, 26:[UTC+08:00] Beijing, Perth, Singapore, Hong Kong, 27:[UTC+09:00] Osaka, Sapporo, Tokyo, Seoul, Yakutsk, 28:[UTC+09:30] Adelaide, Darwin, 29:[UTC+10:00] Canberra, Melbourne, Eastern Australia, Guam, Vladivostok, 30:[UTC+11:00] Magadan, Solomon Islands, New Caledonia, 31:[UTC+12:00]

			Auckland, Wellington, Fiji, Kamchatka, 32:[UTC+13:00] Nuku Alofa

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getWiredNetwork

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"deviceTime": 1669272654,

"ntp_enable": 1,

"ntpServer": "pool.ntp.org",

"timeInterval":60,

"timeZone": 26,

"code": 0,

"message": "NULL",

"deviceID": "CBT000114010100010238",

"device_mac": "88-07-cb-00-02-be",

"device_ip": "192.168.1.89"

}

10.2. Set Time Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setTime&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Note: The device supports two time modes (NTP, device timing).

Description of json settable parameters：

parameter	Description	Necessary	Note
CurTime	Set Device Time	N	Number,TimeStamp(s)
ntp_enable	NTP Synchronization	Y	Number, 0:device timing mode, 1:ntp mode
ntpServer	NTP Time Server	N	String
timeInterval	Update Interval	N	Number
timeZone	Time Zone	N	Number, 0:[UTC-12:00] Day Line West,

			1:[UTC-11:00] Midway island, Samoa, 2:[UTC-10:00] Hawaii, 3:[UTC-09:00] Alaska, 4:[UTC-08:00] Pacific Time (USA + Canada), 5:[UTC-07:00] Mountain Time (USA + Canada), 6:[UTC-06:00] Central Time (USA + Canada), Mexico City, 7:[UTC-05:00] EASTERN Time (USA + Canada), Bogota, Lima, 8:[UTC-04:00] Atlantic Time (Canada), Caracas, La Paz,

			9:[UTC-03:30] Newfoundland, 10:[UTC-03:00] Brasilia, Buenos Aires, Georgetown, 11:[UTC-02:00] Mid-Atlantic, 12:[UTC-01:00] Azores, Cape Verde Islands, 13:[UTC+00:00] Dublin, London, Western Europe, Lisbon, Casablanca, 14:[UTC+01:00] Berlin, Brussels, Copenhagen, Madrid, Paris, 15:[UTC+02:00] Athens, Jerusalem, Kaliningrad, South Africa,

			16:[UTC+03:00] Baghdad, Riyadh, Moscow, St Petersburg, 17:[UTC+03:30] Tehran, 18:[UTC+04:00] ABU Dhabi, Muscat, Baku, Tbilisi, 19:[UTC+04:30] Kabul, 20:[UTC+05:00] Islamabad, Yekaterinburg, Karachi, Tashkent, 21:[UTC+05:30] Mumbai, Kolkata, Madras, New Delhi, 22:[UTC+05:45] Kathmandu, 23:[UTC+06:00] Almaty, Dhaka,

			Colombo, 24:[UTC+06:30] Rangoon, 25:[UTC+07:00] Bangkok, Hanoi, Jakarta, 26:[UTC+08:00] Beijing, Perth, Singapore, Hong Kong, 27:[UTC+09:00] Osaka, Sapporo, Tokyo, Seoul, Yakutsk, 28:[UTC+09:30] Adelaide, Darwin, 29:[UTC+10:00] Canberra, Melbourne, Eastern Australia, Guam, Vladivostok, 30:[UTC+11:00] Magadan, Solomon Islands, New

			Caledonia, 31:[UTC+12:00] Auckland, Wellington, Fiji, Kamchatka, 32:[UTC+13:00] Nuku Alofa

Example: Setting NTP parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setTime&json={"ntpServer":"pool.ntp.org","timeInterval":60,"timeZone":26,"ntp_enable":1}
```

Example: Setting device timing parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setTime&json={"CurTime":1669272783,"ntp_enable":0}
```

Response Example:

Case 1: successful.

```
HTTP/1.1 200 OK\r\n
Date: Sun Dec  2 02:39:43 2001\r\n
Transfer-Encoding: chunked\r\n
Connection: keep-alive\r\n
X-Frame-Options: SAMEORIGIN\r\n
\r\n
{
"code":0,
```

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

11. Basic Network Information

Network basic information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=getWiredNetwork&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfi	Get/Set interface name

	g/setSysConfig	
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

11.1. Get Basic Network Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getWiredNetwork

return json content description：

parameter	Description	Settable	Note
DHCP	DHCP	Y	Number,0:close,1:open
device_ip	IP Address	Y	String
subnet_mask	Subnet Mask	Y	String
gateway	Gateway	Y	String
device_mac	MAC	N	String
webPort	Web Port	Y	Number
DNS	First DNS	Y	String
DNS2	Second DNS	Y	String
networktype	network type	Y	Number,

			0:Adaptive, 1:10M half-duplex, 2:10M full-duplex, 3:100M half-duplex, 4:100M full-duplex

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getWiredNetwork

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"DHCP": 0,

"manual_dns":0,

"webPort": 80,

"onvifPort": 8080,

"IP":"192.168.1.89",

"gateway": "192.168.1.1",

"subnet_mask": "255.255.255.0",

"DNS": "1.2.4.8",

"DNS2": "8.8.8.8",

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

11.2. Set Basic Network Configuration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setWiredNetwork&json={[<parameter>:<value >...]}

Description of json settable parameters:

parameter	Description	Necessary	Note
DHCP	DHCP	Y	Number,0:close,1:open
device_ip	IP Address	Y	String
subnet_mask	Subnet Mask	Y	String
gateway	Gateway	Y	String
webPort	Web Port	N	Number

DNS	First DNS	Y	String
DNS2	Second DNS	N	String
networktype	network type	Y	Number, 0:Adaptive, 1:10M half-duplex, 2:10M full-duplex, 3:100M half-duplex, 4:100M full-duplex

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setWiredNetwork&json={"DHCP":0,"IP":"192.168.1.86","subnet_mask":"255.255.255.0","gateway":"192.168.1.1","DNS":"1.2.4.8","DNS2":"8.8.8.8","webPort":80,"manual_dns":0}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

12. Platform Access

Platform Access information acquisition and setting.

Syntax:

```
http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=getPlatformServer&json={}
```

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getPlatformServer/setPl	Get/Set interface name

	atformServe	
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

12.1. Get Platform Access Information

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformServer

return json content description：

parameter	Description	Settable	Note
serverAddr	HTTP Server Address	Y	String
wsServerAddr	Websocket Server Address	Y	String
platformSubCode	Protocol Code	Y	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getPlatformServer

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"serverAddr": "",

"serverPort": 0,

"wsServerAddr": "",

"wsServerPort": 0,

"resumeTransf": 0,

"uploadtype": 0,

"uploadInterval": 0,

"platform": "HF",

"platformCode": 0,

"platformSubCode": 0,

"snap_camera1": "",

"snap_camera2": "",

"mqtt_server": "",

"mqtt_user": "",

"mqtt_passwd": "",

"mqtt_topic": "",

"gat_enable": 0,

"heartbeat_interval": 0,

"status_gat1400": 0,

"gat_uri":"",

"gat_pwd": "",

"gat_devid": "",

"gat_user": "",

"platformType_cf": 0,

"status_cf": 0,

"serverPort_cf": 0,

"serverId_cf": "",

"devNameCloud_cf": "",

"serverIp_cf": "",

"devNameLocal_cf": "",

"ftpServer": "",

"ftpPort": 21,

"ftpUser": "",

"ftpPasswd": "",

"ftpPath":"/",

"ftpNameType": 0,

"ftpNameCode": "",

"ftpNameStreet": "",

"ftpNamePlot": "",

"ftpNameSN": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

12.2. Set Platform Access Information

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPlatformServer&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
serverAddr	HTTP Server Address	N	String
wsServerAddr	Websocket Server Address	N	String
platformSubCode	Protocol Code	N	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPlatformServer&json={"serverAddr":"192.168.1.91:80","wsServerAddr":"192.168.1.33","platformSubCode":21}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

13. 4G

4G Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=Get4GConfig&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	Get4GConfig/Set4GConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

13.1. Get 4G Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=Get4GConfig

return json content description：

parameter	Description	Settable	Note
Enable	Enable 4G	Y	Number,0:close,1:open
APN_AUTO	Auto Selecting APN	Y	Number,0:close,1:open

APNName	APN Name	Y	String
APNUser	APN User	Y	String
APNPwd	APN Password	Y	String
DNSType	DNS Type	Y	Number,0:System DNS,1:4G DNS
HeartBeatAddr	Heartbeat Server Address	Y	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=Get4GConfig

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"Enable": 0,

"APN_AUTO": 1,

"DNSType": 1,

"gpsEnable": 0,

"HeartBeatAddr": "",

"ModuleType": 1,

"APNName": "",

"APNUser": "",

"APNPwd": "",

"code": 0,

"message": "NULL",

"deviceID": "CBT000114010100010238",

"device_mac": "88-07-cb-00-02-be",

"device_ip": "192.168.1.89"

}

13.2. Set 4G Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=Set4GConfig&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
Enable	Enable 4G	N	Number,0:close,1:open
APN_AUTO	Auto Selecting APN	N	Number,0:close,1:open

APNName	APN Name	N	String
APNUser	APN User	N	String
APNPwd	APN Password	N	String
DNSType	DNS Type	N	Number,0:System DNS,1:4G DNS
HeartBeatAddr	Heartbeat Server Address	N	String

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=Set4GConfig&json={"Enable":0,"APN_AUTO":1,"DNSType":1,"HeartBeatAddr":"192.168.1.33"}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

14. WIFI

WIFI Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getWifiConfig&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getWifiConfig/setWifiConfig	Get/Set interface name

json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

14.1. Get WIFI Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getWifiConfig

return json content description：

parameter	Description	Settable	Note
enable	Enable WIFI	Y	Number,0:close,1:open
wifiType	WIFI Module Type	Y	Number,1:MK7601,2:RTL8188EUS
encryptType	WIFI Encrypt Type	Y	Number, 0:WEP, 1:WPA, 2:OPEN
SSID	WIFI Name	Y	String
passwd	WIFI Passwd	Y	String
IP	IP Address	Y	String
gateway	Gateway	Y	String

subnet_mask	Subnet Mask	Y	String
DNS	First DNS	Y	String
DNS2	Second DNS	Y	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getWifiConfig

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"enable": 0,

"dhcp": 1,

"wifiType": 0,

"encryptType": 1,

"ssid": "HIFACE",

"passwd": "1234567890",

"IP":"192.168.2.168",

"gateway": "192.168.2.1",

"subnet_mask": "255.255.255.0",

"DNS": "0.0.0.0",

"DNS2": "0.0.0.0",

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

14.2. Set WIFI Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setWifiConfig &json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
enable	Enable WIFI	Y	Number,0:close,1:open
dhcp	DHCP	Y	Number,0:close,1:open
encryptType	WIFI Encrypt Type	Y	Number, 0:WEP, 1:WPA,

			2:OPEN
wifiType	WIFI Type	N	Number,1:MK7601,2:RTL8188EUS
ssid	WIFI Name	N	String
bssid	WIFI MAC	Y	String, Fixed to "00:00:00:00:00:00"
passwd	WIFI Passwd	N	String
IP	IP Address	N	String
gateway	Gateway	N	String
subnet_mask	Subnet Mask	N	String
DNS	First DNS	N	String
DNS2	Second DNS	N	String

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setWifiConfig&json={"enable":0,"dhcp":1,"wifiType":0,"encryptType":1,"ssid":"HIFACE","passwd":"1234567890","bssid":"00:00:00:00:00:00","IP":"192.168.2.168","gateway":"192.168.2.1","subnet_mask":"255.255.255.0","DNS":"1.2.4.8","DNS2":"8.8.8.8"}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

14.3. Get WIFI Status

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getWifiStatus

return json content description：

parameter	Description	Settable	Note
status	WIFI status	N	Number, 1:WIFI not enabled, 2:WIFI Connected,

			3:WIFI Disabled, 4:WIFI Disabled 5:WIFI not connected
ap_number	WIFI SSID	N	String
freq	WIFI channel	N	Number
signal	WIFI signal	N	Number
mac_address	WIFI mac_address	N	String
wifi_ip	WIFI IP Address	N	Number
wifi_gateway	WIFI Gateway	N	Number
online_time	online_time	N	Number
bssid	BSSID	N	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getWifiStatus

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n
{
"status": 0,
"freq": 0,
"mac_address": "00:00:00:00:00:00",
"ssid": "",
"bssid": "00:00:00:00:00:00",
"wifi_ip":0,
"wifi_gateway": 0,
"online_time": 0,
"code": 0,
"message": "NULL",
"deviceID": "CBT000114010100010238",
"device_mac": "88-07-cb-00-02-be",
"device_ip": "192.168.1.89"
}

14.4. WIFI Scan

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setWifiScan

return json content description：

parameter	Description	Settable	Note
ap_list	WIFI list	N	Array, Please refer to json

			content of ap_list for details

json content of ap_list：

parameter	Description	Settable	Note
ap_number	WIFI name	N	String
ap_encrypt_type	WIFI Encrypt Type	N	String
ap_bssid	WIFI MAC	N	String
ap_signal	WIFI signal	N	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setWifiScan

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"ap_list": [{

```
                "ap_number":  "621-NB",
                "ap_encrypt_type": "'WPA/WPA2'",
                "ap_signal":    50,
                "ap_bssid":     "48:0e:ec:d9:59:54"
            }, {
                "ap_number":  "Actionair.SZX",
                "ap_encrypt_type": "'WPA/WPA2'",
                "ap_signal":    80,
                "ap_bssid":     "20:76:93:50:81:02"
            }],
        "code":    0,
        "message":      "NULL",
        "deviceID":     "CBT000114010100010238",
        "device_mac": "88-07-cb-00-02-be",
        "device_ip":    "192.168.1.89"
    }
```


15. Email

Email Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getMailConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

15.1. Get Email Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getMailConf

return json content description：

parameter	Description	Settable	Note
smtp_addr	SMTP Server	Y	String
smtp_port	SMTP Port	Y	Number

enable_ssl	SSL Encryption	Y	Number,0:close,1:open
to_name	Sender's Name	Y	String
to_addr	Sender's Email	Y	String
to_passw	Sender's Password	Y	String
from_user	Recipient's Email	Y	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getMailConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"smtp_addr": "",

"smtp_port": 25,

"smtp_user": "",

"smtp_passw":"",

"enable_ssl": 0,

"mail_tital": "Alarm Message",

"to_name": "",

"to_addr": "",

"event_type": 0,

"from_user": "",

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

15.2. Set Email Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setMailConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
smtp_addr	SMTP Server	N	String
smtp_port	SMTP Port	N	Number

enable_ssl	SSL Encryption	N	Number,0:close,1:open
to_name	Sender's Name	N	String
to_addr	Sender's Email	N	String
to_passw	Sender's Password	N	String
from_user	Recipient's Email	N	String

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setMailConf&json={"smtp_addr":"192.168.1.66","smtp_port":25,"enable_ssl":0,"to_name":"xd","to_addr":"4444444","event_type":0,"from_user":"dd"}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

16. FTP

FTP Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformServer&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	**Description**	**Note**
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:	Interface	Please refer to the setting and

<value>...]}	parameter transfer	obtaining phase for details

16.1. Get FTP Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformServer

return json content description：

parameter	Description	Settable	Note
ftpServer	FTP Server Address	Y	String
ftpPort	FTP Server Port	Y	Number
ftpUser	FTP User Name	Y	String
ftpPasswd	FTP Password	Y	String
ftpPath	FTP Save Directory	Y	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getPlatformServer

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"serverAddr": "",

"serverPort": 0,

"wsServerAddr": "",

"wsServerPort": 0,

"resumeTransf": 0,

"uploadtype": 0,

"uploadInterval": 0,

"platform": "HF",

"platformCode": 0,

"platformSubCode": 0,

"snap_camera1": "",

"snap_camera2": "",

"mqtt_server": "",

"mqtt_user": "",

"mqtt_passwd": "",

"mqtt_topic": "",

"gat_enable": 0,

"heartbeat_interval": 0,

"status_gat1400": 0,

"gat_uri":"",

"gat_pwd": "",

"gat_devid": "",

"gat_user": "",

"platformType_cf": 0,

"status_cf": 0,

"serverPort_cf": 0,

"serverId_cf": "",

"devNameCloud_cf": "",

"serverIp_cf": "",

"devNameLocal_cf": "",

"ftpServer": "",

"ftpPort": 21,

"ftpUser": "",

"ftpPasswd": "",

"ftpPath":"/",

"ftpNameType": 0,

"ftpNameCode": "",

"ftpNameStreet": "",

"ftpNamePlot": "",

"ftpNameSN": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

16.2. Set FTP Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPlatformServer&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
ftpServer	FTP Server Address	N	String
ftpPort	FTP Server Port	N	Number
ftpUser	FTP User Name	N	String
ftpPasswd	FTP Password	N	String
ftpPath	FTP Save Directory	N	String

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPlatformServer&json={"ftpServer":"192.168.1.212","ftpPort":21,"ftpUser":"xz","ftpPasswd":"123456","ftpPath":"D:/ftp"}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

17. GB28181

GB28181 Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getGb28181&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

17.1. Get GB28181 Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getGb28181

return json content description：

parameter	Description	Settable	Note

server_id	SIP Server ID	Y	String
server_addr	SIP Server Address	Y	String
user_name	SIP User Authentication ID	Y	String
channel_id	MediaChannel ID	Y	String
regist_effecttime	Registration Valid Time	Y	Number
register_type	Manual Operation	Y	Number, 0:close,GB28181 will auto regist、1:open,GB28181 need Manual regist or cancellation
server_port	Server Port	Y	Number
device_port	Equipment Port	Y	Number
password	Password	Y	String
alarm_id	AlarmChannel ID	Y	String
active_time	Heartbeat Time	Y	Number

active_count	Maximum Heartbeats	Y	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getGb28181

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"server_id": "",

"server_addr": "",

"server_port": 5060,

"device_id": "",

"device_port": 5060,

"user_name": "",

"password": "",

"channel_id": "",

"alarm_id": "",

"administrative_region": "",

"device_assignment": "",

"police_region": "",

"manufacturer": "",

"secrecy_attr": "",

"secrecy_attr2": "",

"longitude": 0,

"latitude": 0,

"active_time": 60,

"active_count": 3,

"regist_effecttime": 3600,

"device_name": "",

"register_type": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

17.2. Set GB28181 Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setGb28181&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
server_id	SIP Server ID	N	String
server_addr	SIP Server Address	N	String
user_name	SIP User Authentication ID	N	String
channel_id	MediaChannel ID	N	String
regist_effecttime	Registration Valid Time	N	Number
register_type	Manual Operation	N	Number, 0:close,GB28181 will auto regist、1:open,GB28181 need Manual regist or cancellation
server_port	Server Port	N	Number
device_port	Equipment Port	N	Number
password	Password	N	String

alarm_id	AlarmChannel ID	N	String
active_time	Heartbeat Time	N	Number
active_count	Maximum Heartbeats	N	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setGb28181&json={"server_id":"34020000002000000001","server_addr":"192.168.1.91","server_port":5060,"device_port":5060,"user_name":"34020000001320000111","password":"12345678","alarm_id":"","active_time":60,"active_count":3,"regist_effecttime":3600}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

17.3. GB28181 Manual Cancellation

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setGb28181Logout

Note: You must open Manual Operation(register_type)

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setGb28181Logout

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

17.4. GB28181 Manual Regist

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setGb28181Register

Note: You must open Manual Operation(register_type)

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setGb28181Register

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

18. MQTT

MQTT information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=admin&pwd=<value>&action=getPlatformServer&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getPlatformServer/setPlatformServe	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter	Please refer to the setting and obtaining phase for details

	transfer	

18.1. Get MQTT Information

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformServer

return json content description：

parameter	Description	Settable	Note
mqtt_server	mqtt Server Address	Y	String
mqtt_user	mqtt user	Y	String
mqtt_passwd	mqtt passwd	Y	String
mqtt_topic	mqtt topic	Y	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getPlatformServer

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"serverAddr": "",

"serverPort": 0,

"wsServerAddr": "",

"wsServerPort": 0,

"resumeTransf": 0,

"uploadtype": 0,

"uploadInterval": 0,

"platform": "HF",

"platformCode": 0,

"platformSubCode": 0,

"snap_camera1": "",

"snap_camera2": "",

"mqtt_server": "",

"mqtt_user": "",

"mqtt_passwd": "",

"mqtt_topic": "",

"gat_enable": 0,

"heartbeat_interval": 0,

"status_gat1400": 0,

"gat_uri": "",

"gat_pwd": "",

"gat_devid": "",

"gat_user": "",

"platformType_cf": 0,

"status_cf": 0,

"serverPort_cf": 0,

"serverId_cf": "",

"devNameCloud_cf": "",

"serverIp_cf": "",

"devNameLocal_cf": "",

"ftpServer": "",

"ftpPort": 21,

"ftpUser": "",

"ftpPasswd": "",

"ftpPath":"/",

"ftpNameType": 0,

"ftpNameCode": "",

"ftpNameStreet": "",

"ftpNamePlot": "",

"ftpNameSN": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

18.2. Set MQTT Information

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPlatformServer&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
mqtt_server	mqtt Server Address	Y	String
mqtt_user	mqtt user	Y	String
mqtt_passwd	mqtt passwd	Y	String
mqtt_topic	mqtt topic	Y	String

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPlatformServer&json={"mqtt_server":"192.168.1.91:80","mqtt_user":"test","mqtt_passwd":"123456","mqtt_topic":"test"}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

19. RTSP

The RTSP URL is **rtsp://<the IP address of the server>/stream_0**.

first num-main(0)/sub(1) stream.

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

19.1. RTSP OPTIONS

The OPTIONS command returns a list of supported RTSP commands.

Example:

OPTIONS **rtsp://<192.168.55.88:554>/stream_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.

19.2. RTSP DESCRIBE

Example:

DESCRIBE **rtsp://<192.168.55.88:554>/stream_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

19.3. RTSP SETUP

Example:

SETUP **rtsp://<192.168.55.88:554>/stream_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

19.4. RTSP PLAY

Example:

PLAY **rtsp://<192.168.55.88:554>/stream_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

19.5. RTSP TEARDOWN

Example:

TEARDOWN **rtsp://<192.168.55.88:554>/stream_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

19.6. RTSP Parameter

RTSP Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRtspConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfi	Get/Set interface name

	g/setSysConfig	
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

19.7. Get RTSP Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRtspConf

return json content description：

parameter	Description	Settable	Note
enable	RTSP Certification	Y	Number,0:close,1:open
rtsp_port	RTSPPort	Y	Number
audio_main	Main StreamAudio Settings	Y	Number,0:close,1:open
audio_sub	Auxiliary StreamAudio Settings	Y	Number,0:close,1:open

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getRtspConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"enable": 1,

"auth": 0,

"rtsp_port": 554,

"audio_main": 1,

"audio_sub": 0,

"audio_thr": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

19.8. Set RTSP Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setRtspConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
enable	RTSP Certification	N	Number,0:close,1:open
rtsp_port	RTSPPort	Y	Number
audio_main	Main StreamAudio Settings	N	Number,0:close,1:open
audio_sub	Auxiliary StreamAudio Settings	N	Number,0:close,1:open

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setRtspConf&json={"enable":1,"rtsp_port":554,"audio_main":1,"audio_sub":0}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

20. GAT1400

GAT1400 Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformServer&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

20.1. Get GAT1400 Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformServer

return json content description：

parameter	Description	Settable	Note
gat_enable	Enable	Y	Number,0:close,1:open
gat_devid	Server Address	Y	String

gat_uri	Device ID	Y	String
gat_pwd	Password	Y	String
heartbeat_interval	Heartbeat Interval	Y	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getPlatformServer

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"serverAddr": "",

"serverPort": 0,

"wsServerAddr": "",

"wsServerPort": 0,

"resumeTransf": 0,

"uploadtype": 0,

"uploadInterval": 0,

"platform": "HF",

"platformCode": 0,

"platformSubCode": 0,

"snap_camera1": "",

"snap_camera2": "",

"mqtt_server": "",

"mqtt_user": "",

"mqtt_passwd": "",

"mqtt_topic": "",

"gat_enable": 0,

"heartbeat_interval": 0,

"status_gat1400": 0,

"gat_uri": "",

"gat_pwd": "",

"gat_devid": "",

"gat_user": "",

"platformType_cf": 0,

"status_cf": 0,

"serverPort_cf": 0,

"serverId_cf": "",

"devNameCloud_cf": "",

"serverIp_cf": "",

"devNameLocal_cf": "",

"ftpServer": "",

"ftpPort": 21,

"ftpUser": "",

"ftpPasswd": "",

"ftpPath":"/",

"ftpNameType": 0,

"ftpNameCode": "",

"ftpNameStreet": "",

"ftpNamePlot": "",

"ftpNameSN": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

20.2. Set GAT1400 Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPlatformServer&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note

gat_enable	Enable	N	Number,0:close,1:open
gat_devid	Server Address	N	String
gat_uri	Device ID	N	String
gat_pwd	Password	N	String
heartbeat_interval	Heartbeat Interval	N	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPlatformServer&json={"gat_uri":"","gat_pwd":"","gat_devid":"","gat_enable":0,"heartbeat_interval":0}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

21. Video

Video Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getVencConf&*json={}*

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	**Description**	**Note**
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

21.1. Get Video Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getVencConf&json={channel:<value>}

Description of json parameters：

parameter	Description	Necessary	Note
channel	Video Stream flow channel	Y	Number,query what you need Video Stream flow Parameter,0:Main Stream,1:Auxiliary Stream,2:Third Stream

return json content description：

parameter	Description	Settable	Note
channel	Video encoding	N	Number, 0:Main Stream,1:Auxiliary Stream,2:Third Stream
encode_profile	encoding scheme	Y	Number, 0:Baseline,

			1:Main Profile, 2:High Profile
encode_type	video coding	Y	Number, 1:H.264, 5:H.265
pixel_list	supported video pixel resolution	N	Array
pic_width	video width resolution	Y	Number,only support width in pixel_list
pic_height	video height resolution	Y	Number,only support height in pixel_list
rc_mode	bitrate type	Y	Number, 0:Variable Bit Rate, 1:Constant Bit Rate
bitrate	video bit rate	Y	Number
max_framerate	supported max video frame rate	N	Number
frame_rate	video frame rate	Y	Number, only support rate less then max_framerate

gop	THE I Frame Interval	Y	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getVencConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"channel": 0,

"pic_width": 2560,

"pic_height": 1440,

"frame_rate": 25,

"gop": 50,

"bitrate": 6144,

"encode_type": 1,

"encode_profile": 1,

"rc_mode": 0,

"max_framerate": 25,

"pixel_list": [{

```
            "width":  2560,
            "height":  1440
        }, {
            "width":  1920,
            "height":  1080
        }],
    "code":  0,
    "device_mac": "88-07-cb-00-02-be",
    "deviceID":  "CBT000114010100010238",
    "device_id":  "CBT000114010100010238",
    "log":  "",
    "device_ip":  "192.168.1.89"
    }
```


21.2. Set Video Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setVencConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
channel	Video Stream	Y	Number,query what

	flow channel		you need Video Stream flow Parameter,0:Main Stream,1:Auxiliary Stream,2:Third Stream
encode_profile	encoding scheme	N	Number, 0:Baseline, 1:Main Profile, 2:High Profile
encode_type	video coding	N	Number, 1:H.264, 5:H.265
pic_width	video width resolution	N	Number,only support width in pixel_list
pic_height	video height resolution	N	Number,only support height in pixel_list
rc_mode	bitrate type	N	Number, 0:Variable Bit Rate, 1:Constant Bit Rate
bitrate	video bit rate	N	Number
frame_rate	video frame rate	N	Number,

			only support rate less then max_framerate
gop	THE I Frame Interval	N	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setVencConf&json={"channel":0,"frame_rate":25,"gop":50,"bitrate":6144,"encode_type":1,"encode_profile":1}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

22. Audio

Audio Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getAencConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

22.1. Get Audio Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getAencConf

return json content description：

parameter	Description	Settable	Note
enable	Audio Enabled	Y	Number,0:close,1:open
line_in	Input Type	Y	Number, 0:Microphone, 1:Line Of The Input
encode_type	Encoding Type	Y	Number, 3:G.711A, 7:G.711U, 8:AAC
bitrate	Audio Bit Rate	Y	Number, 16000:16k, 128000:128k
sample_rate	Sampling Rate	Y	Number, 8000:8k, 32000:32k
volume_in	Input Volume	Y	Number, max:15,

			min:0
volume_out	Output Volume	Y	Number, max:15, min:0
echo_cancellation	Echo cancellation	N	Number,0:close,1:open
talk_port	Intercom port	N	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getAencConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"enable": 1,

"line_in": 0,

"volume_in": 12,

"volume_out": 15,

"sample_rate": 8000,

"encode_type": 7,

"bitrate": 16000,

"output_type": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

22.2. Set Audio Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setAencConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
enable	Audio Enabled	N	Number,0:close,1:open
line_in	Input Type	N	Number, 0:Microphone, 1:Line Of The Input
encode_type	Encoding Type	N	Number,

			3:G.711A, 7:G.711U, 8:AAC
bitrate	Audio Bit Rate	N	Number, 16000:16k, 128000:128k
sample_rate	Sampling Rate	N	Number, 8000:8k, 32000:32k
volume_in	Input Volume	N	Number, max:15, min:0
volume_out	Output Volume	N	Number, max:15, min:0
echo_cancellation	Echo cancellation	N	Number,0:close,1:open
talk_port	Intercom port	N	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setAencConf&json={"enable":1,"line_in":0,"volume_in":12,"volume_out":15,"sample_rate":8000,"encode_type":7,"bitrate":16000}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

23. Display

Display Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getImageAdjustment&json={}

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getImageAdjustmentEx&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

23.1. Get Base Display Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getImageAdjustment

return json content description：

parameter	Description	Settable	Note
hue	Tonal	Y	Number, max:255, min:0
brightness	Brightness	Y	Number, max:255, min:0
sharpness	Sharpness	Y	Number, max:255, min:0
contrast	Contrast	Y	Number, max:255, min:0
saturation	Saturation	Y	Number, max:255, min:0
gamma	Gamma	Y	Number, max:255, min:0
blc_level	BacklightCompe	Y	Number,

	nsation		max:255, min:0
max_exposure	Exposure Time	Y	Number, supported 12/25/30/50/60/100/200/400/800/1000/2000/4000/8000 value==>1/x Second, E.g: x=12 value==>1/12 Second
antiFog	Dehaze	Y	Number,0:close,1:open
frameTurbo	frameTurbo	Y	Number,0:close,1:High Frame Rates,2:Ultra-High Frame Rates
sceneMode	Scene Mode	Y	Number,1:Face Capture,2:License Plate Capture
AE_strategy_mode	Exposure Strategy	Y	Number,0:Highlight Priority,1:Low Light Priority

auto_exposureEx	Exposure Mode	Y	Number,0:Auto,1:Manual
exposure_time	Manual Exposure Time	Y	Number, supported 12/25/30/50/60/100/200/400/800/1000/2000/4000/8000/10000/34464 value==>1/x Second, E.g: x=12 value==>1/12 Second
auto_awb	WhiteBalance Mode	Y	Number,0:Auto,1:Manual
awb_red	Manual WhiteBalance Red	Y	Number, max:255, min:0
awb_green	Manual WhiteBalance Green	Y	Number, max:255, min:0
awb_blue	Manual WhiteBalance Blue	Y	Number, max:255, min:0

awb_auto_mode	whiteBalance Scene	Y	Number, 0:scene 0, 1:scene 1, 2:scene 2, 3:scene 3, 4:scene 4, 5:scene 5
awb_style_red	whiteBalanceStyle Red	Y	Number, max:255, min:0
awb_style_green	whiteBalanceStyle Green	Y	Number, max:255, min:0
awb_style_blue	whiteBalanceStyle Blue	Y	Number, max:255, min:0
auto_gain_mode	Gain Mode	Y	Number,0:Auto,1:Manual
auto_DGain_max	max DGain	Y	Number, max:255, min:0

auto_AGain_max	max AGain	Y	Number, max:255, min:0
max_sys_gain	Max SysGain	Y	Number, max:255, min:0
manual_AGain_enable	Manual AGain	Y	Number,0:close,1:open
manual_AGain	Manual AGain Value	Y	Number, max:255, min:0
manual_DGain_enable	Manual DGain	Y	Number,0:close,1:open
manual_DGain	Manual DGain Value	Y	Number, max:255, min:0
rotate	rotate	Y	Number, 0:0°, 1:90°, 2:180°,

			3:270°

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getImageAdjustment

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"hue": 128,

"brightness": 128,

"sharpness": 128,

"contrast": 128,

"saturation": 128,

"gamma": 137,

"blc_level": 142,

"max_exposure": 12,

"max_a_gain":36,

"antiFog": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

23.2. Set Base Display Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setImageAdjustment&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
hue	Tonal	N	Number, max:255, min:0
brightness	Brightness	N	Number, max:255, min:0
sharpness	Sharpness	N	Number,

			max:255, min:0
contrast	Contrast	N	Number, max:255, min:0
saturation	Saturation	N	Number, max:255, min:0
gamma	Gamma	N	Number, max:255, min:0
blc_level	BacklightCompe nsation	N	Number, max:255, min:0
max_exposure	Exposure Time	N	Number, supported 12/25/30/50/60/100/2 00/400/800/1000/2000 /4000/8000 value==>1/x Second, E.g: x=12

			value==>1/12 Second
antiFog	Dehaze	N	Number,0:close,1:open
frameTurbo	frameTurbo	N	Number,0:close,1:High Frame Rates,2:Ultra-High Frame Rates
sceneMode	Scene Mode	N	Number,1:Face Capture,2:License Plate Capture
AE_strategy_mode	Exposure Strategy	N	Number,0:Highlight Priority,1:Low Light Priority
auto_exposureEx	Exposure Mode	N	Number,0:Auto,1:Manual
exposure_time	Manual Exposure Time	N	Number, supported 12/25/30/50/60/100/200/400/800/1000/2000/4000/8000/10000/34464

			value==>1/x Second, E.g: x=12 value==>1/12 Second
auto_awb	whiteBalance Mode	N	Number,0:Auto,1:Manual
awb_red	Manual WhiteBalance Red	N	Number, max:255, min:0
awb_green	Manual WhiteBalance Green	N	Number, max:255, min:0
awb_blue	Manual WhiteBalance Blue	N	Number, max:255, min:0
awb_auto_mode	whiteBalance Scene	N	Number, 0:scene 0, 1:scene 1, 2:scene 2, 3:scene 3, 4:scene 4, 5:scene 5

awb_style_red	whiteBalanceStyle Red	N	Number, max:255, min:0
awb_style_green	whiteBalanceStyle Green	N	Number, max:255, min:0
awb_style_blue	whiteBalanceStyle Blue	N	Number, max:255, min:0
auto_gain_mode	Gain Mode	N	Number,0:Auto,1:Manual
auto_DGain_max	max DGain	N	Number, max:255, min:0
auto_AGain_max	max AGain	N	Number, max:255, min:0
max_sys_gain	Max SysGain	N	Number, max:255, min:0

manual_AGain_enable	Manual AGain	N	Number,0:close,1:open
manual_AGain	Manual AGain Value	N	Number, max:255, min:0
manual_DGain_enable	Manual DGain	N	Number,0:close,1:open
manual_DGain	Manual DGain Value	N	Number, max:255, min:0
rotate	rotate	N	Number, 0:0°, 1:90°, 2:180°, 3:270°

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setImageAdjustment&json={"hue":128,"brightness":128,"sharpness":128,"contrast":128,"saturation":128,"gamma":137,"blc_level":142}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

23.3. Get Advanced Display Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getImageAdjustmentEx

return json content description：

parameter	Description	Settable	Note
mirror	Mirror	Y	Number,0:close,1:open
flip	Flip	Y	Number,0:close,1:open

power_freq	Video Format	Y	Number, 0:NTSC, 1:PAL
color_black	Color Turned Black	Y	Number, 0:COLOR, 1:Auto, 2:Black and White
infr_detect_mode	Video Detection Mode	Y	Number, only support when color_black is 1!!! 0:Video Detection, 1:Time Control, 2:Photosensitive Detection
sens_day_to_night	Color To Black Sensitivity	Y	Number, only support when infr_detect_mode is 0!!! max:255, min:0
sens_night_to_day	Black To Color Sensitivity	Y	Number, only support when

			infr_detect_mode is 0!!! max:255, min:0
infr_day_h	Color Turned (Time Control) Start Time Hour	Y	Number, only support when infr_detect_mode is 1!!! max:23, min:0
infr_day_m	Color Turned (Time Control) Start Time Min	Y	Number, only support when infr_detect_mode is 1!!! max:59, min:0
infr_night_h	Color Turned (Time Control) End Time Hour	Y	Number, only support when infr_detect_mode is 1!!! max:23, min:0
infr_night_m	Color Turned (Time Control) End Time Min	Y	Number, only support when infr_detect_mode is 1!!!

			max:59, min:0
lens_correction	Lens Correction	Y	Number,0:close,1:open
byLDC_XOffset	Lens Correction X	Y	Number, max:128, min:0
byLDC_YOffset	Lens Correction Y	Y	Number, max:128, min:0
byLDC_Ratio	Lens Correction Ratio	Y	Number, max:300, min:-300
wdr_level	Wide Dynamic Strength	Y	Number, max:255, min:0
irisLevel	Aperture level	N	Number,
ircut_level	IRCUT Level	Y	Number, 0:Low Level, 1:High Level
ldr_level	Photosensitive	Y	Number,

	Level		0:Low Level, 1:High Level
led_control_mode	Light Pattern	Y	Number, 0:Electrical Level, 1:PWM
lamp_type	Light Type	Y	Number, 0:Infrared Lamp, 1:White Light, 2:Auto
led_control_avail	Light Enable Level	Y	Number, only support when led_control_mode == 0!!! 0:Low Level, 1:High Level
ir_level	Infrared Lamp Brightness	Y	Number, only support when lamp_type == 0 and led_control_mode == 1!!!

			max:255, min:0
led_level	White Light Brightness	Y	Number, only support when lamp_type == 1 and led_control_mode == 1!!! max:255, min:0
led_control	IR Control	Y	Number, 0:Auto, 1:Open, 2:Close
auto_iris	Aperture mode	Y	Number, 0:Close, 1:Auto, 2:Manual
irisLevel	Control the duty cycle of aperture PWM	Y	Number, only support when auto_iris == 2

			max:255, min:0
noiseReduction	3D Noise Reduction	Y	Number, 0:Close, 1:Low, 2:Middle, 3:High
wdr_sensor	WDR Enable	Y	Number,0:close,1:open
wdr_level_sensor	WDR Strength	Y	Number, max:255, min:0
hlc_enable	HLC	Y	Number,0:close,1:open
low_farme_rate	Slow Shutter	Y	Number,0:close,1:open
_2DNR_level	2D NR	Y	Number, 0:Low, 1:Middle, 2:High
anti_flicker	Anti Flicker	Y	Number, 0:close, 1:auto,

			2:50HZ, 3:60HZ
scene_mode	scene mode	Y	Number, 0:IPC, 1:Face Capture, 2:License Plate Capture

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getImageAdjustmentEx

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"flip": 0,

"mirror": 0,

"color_black": 1,

"lens_correction": 0,

"wdr_level": 128,

"power_freq": 1,

"ircut_level": 0,

"ldr_level": 1,

"led_control": 0,

"led_control_avail": 1,

"led_control_avail": 1,

"led_level": 48,

"white_control": 0,

"ir_level": 48,

"night2day_level": 0,

"day2night_level": 0,

"lamp_type": 0,

"led_control_mode": 0,

"infr_detect_mode": 0,

"infr_day_h": 7,

"infr_day_m": 0,

"infr_night_h": 18,

"infr_night_m": 0,

"sens_day_to_night": 255,

"sens_night_to_day": 160,

"led_open_level": 0,

"led_close_level": 0,

"hlc_enable": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

23.4. Set Advanced Display Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setImageAdjustmentEx&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
mirror	Mirror	N	Number,0:close,1:open
flip	Flip	N	Number,0:close,1:open
power_freq	Video Format	N	Number, 0:NTSC, 1:PAL
color_black	Color Turned Black	N	Number, 0:COLOR, 1:Auto,

			2:Black and White
infr_detect_mode	Video Detection Mode	N	Number, only support when color_black is 1!!! 0:Video Detection, 1:Time Control, 2:Photosensitive Detection
sens_day_to_night	Color To Black Sensitivity	N	Number, only support when infr_detect_mode is 0!!! max:255, min:0
sens_night_to_day	Black To Color Sensitivity	N	Number, only support when infr_detect_mode is 0!!! max:255, min:0
infr_day_h	Color Turned (Time Control) Start Time Hour	N	Number, only support when infr_detect_mode is 1!!!

			max:23, min:0
infr_day_m	Color Turned (Time Control) Start Time Min	N	Number, only support when infr_detect_mode is 1!!! max:59, min:0
infr_night_h	Color Turned (Time Control) End Time Hour	N	Number, only support when infr_detect_mode is 1!!! max:23, min:0
infr_night_m	Color Turned (Time Control) End Time Min	N	Number, only support when infr_detect_mode is 1!!! max:59, min:0
lens_correction	Lens Correction	N	Number,0:close,1:open
wdr_level	Wide Dynamic Strength	N	Number, max:255, min:0

ircut_level	IRCUT Level	N	Number, 0:Low Level, 1:High Level
ldr_level	Photosensitive Level	N	Number, 0:Low Level, 1:High Level
led_control_mode	Light Pattern	N	Number, 0:Electrical Level, 1:PWM
lamp_type	Light Type	N	Number, 0:Infrared Lamp, 1:White Light, 2:Auto
led_control_avail	Light Enable Level	N	Number, only support when led_control_mode == 0!!! 0:Low Level, 1:High Level
ir_level	Infrared Lamp Brightness	N	Number, only support when

			lamp_type == 0 and led_control_mode == 1!!! max:255, min:0
led_level	White Light Brightness	N	Number, only support when lamp_type == 1 and led_control_mode == 1!!! max:255, min:0
led_control	IR Control	N	Number, 0:Auto, 1:Open, 2:Close
auto_iris	Aperture mode	N	Number, 0:Close, 1:Auto,

			2:Manual
irisLevel	Control the duty cycle of aperture PWM	N	Number, only support when auto_iris == 2 max:255, min:0
noiseReduction	3D Noise Reduction	N	Number, 0:Close, 1:Low, 2:Middle, 3:High
wdr_sensor	WDR Enable	N	Number,0:close,1:open
wdr_level_sensor	WDR Strength	N	Number, max:255, min:0
hlc_enable	HLC	N	Number,0:close,1:open
low_farme_rate	Slow Shutter	N	Number,0:close,1:open
_2DNR_level	2D NR	N	Number, 0:Low, 1:Middle,

			2:High
anti_flicker	Anti Flicker	N	Number, 0:close, 1:auto, 2:50HZ, 3:60HZ
scene_mode	scene mode	N	Number, 0:IPC, 1:Face Capture, 2:License Plate Capture

Example: Setting all parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setImageAdjustmentEx&json={"flip":0,"mirror":0,"color_black":1,"lens_correction":0,"wdr_level":128,"power_freq":1,"ircut_level":0,"ldr_level":1}
```

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

23.5. Base Display Parameter Restore

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setImageAdjustment&json={"set_default":1}

Note: Base Display Parameter will restore

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setImageAdjustment&json={"set_default":1}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

23.6. Advanced Display Parameter Restore

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setImageAdjustmentEx&json={"set_default":1}

Note: Base Display Parameter will restore

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setImageAdjustmentEx&json={"set_default":1}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

24. OSD

OSD Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getOsdConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfi	Get/Set interface name

	g/setSysConfig	
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

24.1. Get OSD Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getOsdConf

return json content description：

parameter	Description	Settable	Note
show_date	Show Data	Y	Number,0:close,1:open
show_bitrate	Show Bit Rate	Y	Number,0:close,1:open
date_format	Data Format	Y	Number, 0:YY-MM-DD, 1:MM-DD-YY, 2:DD-MM-YY
date_pos_x	date info position x	Y	Number, max:704, min:0

date_pos_y	date info position y	Y	Number, max:576, min:0
show_time	Show Time	Y	Number,0:close,1:open
show_week	Show Week	Y	Number,0:close,1:open
font_size	Font Size	Y	Number, 0:small, 1:middle, 2:large
osd_color	Font Color	Y	Number, 0:white, 1:black, 2:yellow, 3:red, 4:blue, 5:green
title_list	OSD Title Array	Y	Array, length=4, Please refer to json content of title_list for details

json content **of title_list：**

parameter	Description	Settable	Note
title	title content	Y	String
title_pos_x	title position x	Y	Number, max:704, min:0
title_pos_y	title position y	Y	Number, max:576, min:0
show_title	title enable	Y	Number,0:close,1:open

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getOsdConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

```
{
"show_date":  1,
"show_time":  1,
"show_week": 0,
"date_format":0,
"date_pos_x": 0,
"date_pos_y": 0,
"font_size":    1,
"show_bitrate":      0,
"osd_color":   0,
"title_list":     [{
            "title":    "xxx",
            "title_pos_x":  556,
            "title_pos_y":  546,
            "show_title":   1
      }, {
            "title":    " ",
            "title_pos_x":  556,
            "title_pos_y":  506,
            "show_title":   0
      }, {
            "title":    " ",
            "title_pos_x":  556,
            "title_pos_y":  466,
```

```
            "show_title":   0
        }, {
            "title":     " ",
            "title_pos_x":  556,
            "title_pos_y":  426,
            "show_title":   0
        }],
    "code":    0,
    "device_mac": "88-07-cb-00-02-be",
    "deviceID":     "CBT000114010100010238",
    "device_id":    "CBT000114010100010238",
    "log":      "",
    "device_ip":    "192.168.1.89"
    }
```


24.2. Set OSD Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setOsdConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
show_date	Show Data	N	Number,0:close,1:open

show_bitrate	Show Bit Rate	N	Number,0:close,1:open
date_format	Data Format	N	Number, 0:YY-MM-DD, 1:MM-DD-YY, 2:DD-MM-YY
date_pos_x	date info position x	N	Number, max:704, min:0
date_pos_y	date info position y	N	Number, max:576, min:0
show_time	Show Time	N	Number,0:close,1:open
show_week	Show Week	N	Number,0:close,1:open
font_size	Font Size	N	Number, 0:small, 1:middle, 2:large
osd_color	Font Color	N	Number, 0:white, 1:black,

			2:yellow, 3:red, 4:blue, 5:green
title_list	OSD Title Array	N	Array, length=4, Please refer to json content of title_list for details

json settable parameters of title_list:

parameter	Description	Necessary	Note
title	title content	N	String
title_pos_x	title position x	N	Number, max:704, min:0
title_pos_y	title position y	N	Number, max:576, min:0
show_title	title enable	N	Number,0:close,1:open

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setOsdConf&json={"show_date":1,"show_bitrate":0,"show_time":1,"show_week":0,"date_format":0,"date_pos_x":0,"date_pos_y":0,"title_list":[{"show_title":1,"title":"xxx","title_pos_x":556,"title_pos_y":546},{"show_title":0,"title":"","title_pos_x":556,"title_pos_y":506},{"show_title":1,"title":"test","title_pos_x":556,"title_pos_y":466},{"show_title":0,"title":"","title_pos_x":556,"title_pos_y":426}],"font_size":1,"osd_color":0}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

25. Video Mask

Video Mask Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getViMask&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

25.1. Get Video Mask Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getViMask

return json content description：

parameter	Description	Settable	Note
mask_enable	Open Cover	Y	Number,0:close,1:open
mask_0_h	mask position h	Y	Number, max:576, min:0
mask_0_w	mask position w	Y	Number, max:704, min:0
mask_0_x	mask position x	Y	Number, max:704, min:0
mask_0_y	mask position y	Y	Number, max:576, min:0
mask_1_h	mask position h	Y	Number, max:576, min:0
mask_1_w	mask position w	Y	Number,

			max:704, min:0
mask_1_x	mask position x	Y	Number, max:704, min:0
mask_1_y	mask position y	Y	Number, max:576, min:0
mask_2_h	mask position h	Y	Number, max:576, min:0
mask_2_w	mask position w	Y	Number, max:704, min:0
mask_2_x	mask position x	Y	Number, max:704, min:0
mask_2_y	mask position y	Y	Number, max:576, min:0

mask_3_h	mask position h	Y	Number, max:576, min:0
mask_3_w	mask position w	Y	Number, max:704, min:0
mask_3_x	mask position x	Y	Number, max:704, min:0
mask_3_y	mask position y	Y	Number, max:576, min:0
mask_4_h	mask position h	Y	Number, max:576, min:0
mask_4_w	mask position w	Y	Number, max:704, min:0
mask_4_x	mask position x	Y	Number, max:704,

			min:0
mask_4_y	mask position y	Y	Number, max:576, min:0
mask_5_h	mask position h	Y	Number, max:576, min:0
mask_5_w	mask position w	Y	Number, max:704, min:0
mask_5_x	mask position x	Y	Number, max:704, min:0
mask_5_y	mask position y	Y	Number, max:576, min:0
mask_6_h	mask position h	Y	Number, max:576, min:0
mask_6_w	mask position w	Y	Number,

			max:704, min:0
mask_6_x	mask position x	Y	Number, max:704, min:0
mask_6_y	mask position y	Y	Number, max:576, min:0
mask_7_h	mask position h	Y	Number, max:576, min:0
mask_7_w	mask position w	Y	Number, max:704, min:0
mask_7_x	mask position x	Y	Number, max:704, min:0
mask_7_y	mask position y	Y	Number, max:576, min:0

mask_8_h	mask position h	Y	Number, max:576, min:0
mask_8_w	mask position w	Y	Number, max:704, min:0
mask_8_x	mask position x	Y	Number, max:704, min:0
mask_8_y	mask position y	Y	Number, max:576, min:0

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getViMask

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

```
{
"mask_enable":      0,
"mask_0_x":   0,
"mask_0_y":   0,
"mask_0_w":  0,
"mask_0_h":   0,
"mask_1_x":   0,
"mask_1_y":   0,
"mask_1_w":  0,
"mask_1_h":   0,
"mask_2_x":   0,
"mask_2_y":   0,
"mask_2_w":  0,
"mask_2_h":   0,
"mask_3_x":   0,
"mask_3_y":   0,
"mask_3_w":  0,
"mask_3_h":   0,
"mask_4_x":   0,
"mask_4_y":   0,
"mask_4_w":  0,
"mask_4_h":   0,
"mask_5_x":   0,
"mask_5_y":   0,
```

"mask_5_w": 0,

"mask_5_h": 0,

"mask_6_x": 0,

"mask_6_y": 0,

"mask_6_w": 0,

"mask_6_h": 0,

"mask_7_x": 0,

"mask_7_y": 0,

"mask_7_w": 0,

"mask_7_h": 0,

"mask_8_x": 0,

"mask_8_y": 0,

"mask_8_w": 0,

"mask_8_h": 0,

"code": 0,

"message": "NULL",

"deviceID": "CBT000114010100010238",

"device_mac": "88-07-cb-00-02-be",

"device_ip": "192.168.1.89"

}

25.2. Set Video Mask Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setViMask&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
mask_enable	Open Cover	N	Number,0:close,1:open
mask_0_h	mask position h	N	Number, max:576, min:0
mask_0_w	mask position w	N	Number, max:704, min:0
mask_0_x	mask position x	N	Number, max:704, min:0
mask_0_y	mask position y	N	Number, max:576, min:0
mask_1_h	mask position h	N	Number, max:576, min:0
mask_1_w	mask position w	N	Number,

			max:704, min:0
mask_1_x	mask position x	N	Number, max:704, min:0
mask_1_y	mask position y	N	Number, max:576, min:0
mask_2_h	mask position h	N	Number, max:576, min:0
mask_2_w	mask position w	N	Number, max:704, min:0
mask_2_x	mask position x	N	Number, max:704, min:0
mask_2_y	mask position y	N	Number, max:576, min:0

mask_3_h	mask position h	N	Number, max:576, min:0
mask_3_w	mask position w	N	Number, max:704, min:0
mask_3_x	mask position x	N	Number, max:704, min:0
mask_3_y	mask position y	N	Number, max:576, min:0
mask_4_h	mask position h	N	Number, max:576, min:0
mask_4_w	mask position w	N	Number, max:704, min:0
mask_4_x	mask position x	N	Number, max:704,

			min:0
mask_4_y	mask position y	N	Number, max:576, min:0
mask_5_h	mask position h	N	Number, max:576, min:0
mask_5_w	mask position w	N	Number, max:704, min:0
mask_5_x	mask position x	N	Number, max:704, min:0
mask_5_y	mask position y	N	Number, max:576, min:0
mask_6_h	mask position h	N	Number, max:576, min:0
mask_6_w	mask position w	N	Number,

			max:704, min:0
mask_6_x	mask position x	N	Number, max:704, min:0
mask_6_y	mask position y	N	Number, max:576, min:0
mask_7_h	mask position h	N	Number, max:576, min:0
mask_7_w	mask position w	N	Number, max:704, min:0
mask_7_x	mask position x	N	Number, max:704, min:0
mask_7_y	mask position y	N	Number, max:576, min:0

mask_8_h	mask position h	N	Number, max:576, min:0
mask_8_w	mask position w	N	Number, max:704, min:0
mask_8_x	mask position x	N	Number, max:704, min:0
mask_8_y	mask position y	N	Number, max:576, min:0

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setViMask&json={"mask_enable":1,"mask_0_x":0,"mask_0_y":0,"mask_0_w":703,"mask_0_h":574,"mask_1_x":0,"mask_1_y":0,"mask_1_w":0,"mask_1_h":0,"mask_2_x":0,"mask_2_y":0,"mask_2_w":0,"mask_2_h":0,"mask_3_x":0,"mask_3_y":0,"mask_3_w":0,"mask_3_h":0,"mask_4_x":0,"mask_4_y":0,"mask_4_w":0,"mask_4_h":0,"mask_5_x":0,"mask_5_y":0,"mask_5_w":0,"mask_5_h":0,"mask_6_x":0,"mask_6_y":0,"mask_6_w":0,"mask_6_h":0,"mask_7_x":0,"mask_7_y":0,"mask_7_w":0,"mask_7_h":0,"mask_8_x":0,"mask_8_y":0,"mask_8_w":0,"mask_8_h":0}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

26. Alarm Input

Alarm Input Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getAlarmInConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note

user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

26.1. Get Alarm Input Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getAlarmInConf

return json content description：

parameter	Description	Settable	Note
alarm_enable	Detection Switch	Y	Number,0:close,1:open
alarm_type	Probe Type	Y	Number, 0:Always Open, 1:Always Close

schedule_enable	Alarm Time Period	Y	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	Y	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	Y	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	Y	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	Y	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	Y	Number,0:close,1:open
alarm_handle_alarmout	IO Out Put	Y	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	Y	Number, min:0

alarm_out_type	IO Output Type	Y	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	Y	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	Y	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	Y	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	Y	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	Y	Number,0:close,1:open
alarm_handle_rec	Linkage Video	Y	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	Y	Number, min:0
alarm_handle_rec_email	alarm send Email video	Y	Number,0:close,1:open
alarm_handle_rec_	alarm send FTP	Y	Number,0:close,1:open

ftp	video		

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getAlarmInConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"alarm_name": "alarmIn",

"alarm_enable": 1,

"alarm_type": 0,

"alarm_out_type": 0,

"schedule_enable": 1,

"sch_start_hour": 0,

"sch_start_min": 0,

"sch_end_hour": 23,

"sch_end_min": 59,

"alarm_handle_email": 0,

"alarm_handle_alarmout": 1,

"alarm_handle_alarmout_time": 10,

"alarm_handle_rec": 1,

"alarm_handle_rec_ftp": 0,

"alarm_handle_rec_email": 0,

"alarm_handle_rec_time": 60,

"alarm_handle_snap": 1,

"alarm_handle_snap_email": 0,

"alarm_handle_snap_ftp": 0,

"alarm_handle_snap_num": 1,

"alarm_handle_snap_interval": 1000,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

26.2. Set Alarm Input Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setAlarmInConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note

alarm_enable	Detection Switch	N	Number,0:close,1:open
alarm_type	Probe Type	N	Number, 0:Always Open, 1:Always Close
schedule_enable	Alarm Time Period	N	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	N	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	N	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	N	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	N	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	N	Number,0:close,1:open

alarm_handle_alarmout	IO Out Put	N	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	N	Number, min:0
alarm_out_type	IO Output Type	N	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	N	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	N	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	N	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	N	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	N	Number,0:close,1:open
alarm_handle_rec	Linkage Video	N	Number,0:close,1:open
alarm_handle_rec_	Recording	N	Number,

time	Time(second)		min:0
alarm_handle_rec_email	alarm send Email video	N	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	N	Number,0:close,1:open

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setAlarmInConf&json={"alarm_enable":1,"alarm_type":0,"alarm_out_type":0,"schedule_enable":1,"sch_start_hour":0,"sch_start_min":0,"sch_end_hour":23,"sch_end_min":59,"alarm_handle_email":0,"alarm_handle_alarmout":1,"alarm_handle_alarmout_time":10,"alarm_handle_rec":1,"alarm_handle_rec_ftp":0,"alarm_handle_rec_email":0,"alarm_handle_rec_time":60,"alarm_handle_snap":1,"alarm_handle_snap_email":0,"alarm_handle_snap_ftp":0,"alarm_handle_snap_num":1,"alarm_handle_snap_interval":1000}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

27. Occlusion Alarm

Occlusion Alarm Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getODAlarmConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name

json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

27.1. Get Occlusion Alarm Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getODAlarmConf

return json content description：

parameter	Description	Settable	Note
alarm_enable	Detection Switch	Y	Number,0:close,1:open
schedule_enable	Alarm Time Period	Y	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	Y	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	Y	Number, max:59, min:0
sch_end_hour	Armed Time	Y	Number,

	Period (end hour)		max:23, min:0
sch_end_min	Armed Time Period (end min)	Y	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	Y	Number,0:close,1:open
alarm_handle_alarmout	IO Out Put	Y	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	Y	Number, min:0
alarm_out_type	IO Output Type	Y	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	Y	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	Y	Number, min:0
alarm_handle_sna	Snapshot	Y	Number,

p_interval	Interval(ms)		min:0
alarm_handle_snap_email	alarm send Email snapshot	Y	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	Y	Number,0:close,1:open
alarm_handle_rec	Linkage Video	Y	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	Y	Number, min:0
alarm_handle_rec_email	alarm send Email video	Y	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	Y	Number,0:close,1:open

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getODAlarmConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"alarm_name": "alarmIn",

"alarm_enable": 1,

"alarm_out_type": 0,

"schedule_enable": 1,

"sch_start_hour": 0,

"sch_start_min": 0,

"sch_end_hour": 23,

"sch_end_min": 59,

"alarm_handle_email": 0,

"alarm_handle_alarmout": 1,

"alarm_handle_alarmout_time": 10,

"alarm_handle_rec": 1,

"alarm_handle_rec_ftp": 0,

"alarm_handle_rec_email": 0,

"alarm_handle_rec_time": 60,

"alarm_handle_snap": 1,

"alarm_handle_snap_email": 0,

"alarm_handle_snap_ftp": 0,

"alarm_handle_snap_num": 1,

"alarm_handle_snap_interval": 1000,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

27.2. Set Occlusion Alarm Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setODAlarmConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
alarm_enable	Detection Switch	N	Number,0:close,1:open
schedule_enable	Alarm Time Period	N	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	N	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	N	Number, max:59, min:0

sch_end_hour	Armed Time Period (end hour)	N	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	N	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	N	Number,0:close,1:open
alarm_handle_alarmout	IO Out Put	N	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	N	Number, min:0
alarm_out_type	IO Output Type	N	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	N	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	N	Number, min:0

alarm_handle_snap_interval	Snapshot Interval(ms)	N	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	N	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	N	Number,0:close,1:open
alarm_handle_rec	Linkage Video	N	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	N	Number, min:0
alarm_handle_rec_email	alarm send Email video	N	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	N	Number,0:close,1:open

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getODAlarmConf&json={"alarm_enable":1,"alarm_out_type":0,"schedule_enable":1,"sch_start_hour":0,"sch_start_min":0,"sch_end_hour":23,"sch_end_min":59,"alarm_handle_email":0,"alarm_handle_alarmout":1,"alarm_handle_alarmout_time":10,"alarm_handle_rec":1,"alarm_handle_rec_ftp":0,"alarm_handle_rec_email":0,"alarm_handle_rec_time":60,"alarm_handle_snap":1,"alarm_handle_snap_email":0,"alarm_handle_snap_ftp":0,"alarm_handle_snap_num":1,"alarm_handle_snap_interval":1000}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

28. Schedule Snap

Schedule Snap Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getScheSnap&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

28.1. Get Schedule Snap Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getScheSnap

return json content description：

parameter	Description	Settable	Note
snapInterval	Capture Interval(ms)	Y	Number, min:0
saveMode	Capture send FTP	Y	Number,

	or Email		0:Email & FTP Close, 3:Email Open ,FTP Close, 5:Email close ,FTP Open, 7:Email & FTP Open,
snapNum	Capture Num	Y	Number, min:0
schedule_list	Capture Period	Y	Array, length=7,only Please refer to json content of schedule_list for details
schedule_list[0]["day_0"][0]["enable"]	Capture Period 1 Enable	Y	Number,0:close,1:open
schedule_list[0]["day_0"][0]["hour_begain"]	Capture Period 1 start time hour	Y	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_begain"]	Capture Period 1 start time minutes	Y	Number, max:59, min:0

schedule_list[0]["day_0"][0]["hour_end"]	Capture Period 1 end time hour	Y	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_end"]	Capture Period 1 end time minutes	Y	Number, max:59, min:0
schedule_list[0]["day_1"][0]["enable"]	Capture Period 2 Enable	Y	Number,0:close,1:open
schedule_list[0]["day_1"][0]["hour_begain"]	Capture Period 2 start time hour	Y	Number, max:23, min:0
schedule_list[0]["day_1"][0]["min_begain"]	Capture Period 2 start time minutes	Y	Number, max:59, min:0
schedule_list[0]["day_1"][0]["hour_end"]	Capture Period 2 end time hour	Y	Number, max:23, min:0
schedule_list[0]["day_1"][0]["min_end"]	Capture Period 2 end time minutes	Y	Number, max:59, min:0

json settable parameters of schedule_list：

parameter	Description	Necessary	Note
day_x	day for a week(x = 0~6)	N	array
title_pos_x	title position x	N	Number, max:704, min:0
title_pos_y	title position y	N	Number, max:576, min:0
show_title	title enable	N	Number,0:close,1:open

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getScheSnap

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"alarm_name": "alarmIn",

"alarm_enable": 1,

"alarm_type": 0,

"alarm_out_type": 0,

"schedule_enable": 1,

"sch_start_hour": 0,

"sch_start_min": 0,

"sch_end_hour": 23,

"sch_end_min": 59,

"alarm_handle_email": 0,

"alarm_handle_alarmout": 1,

"alarm_handle_alarmout_time": 10,

"alarm_handle_rec": 1,

"alarm_handle_rec_ftp": 0,

"alarm_handle_rec_email": 0,

"alarm_handle_rec_time": 60,

"alarm_handle_snap": 1,

"alarm_handle_snap_email": 0,

"alarm_handle_snap_ftp": 0,

"alarm_handle_snap_num": 1,

"alarm_handle_snap_interval": 1000,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

28.2. Set Schedule Snap Input Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setScheSnap&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
snapInterval	Capture Interval(ms)	N	Number, min:0
saveMode	Capture send FTP or Email	N	Number, 0:Email & FTP Close, 3:Email Open ,FTP Close, 5:Email close ,FTP Open,

			7:Email & FTP Open,
schedule_list	Capture Period	N	Array, length=7,only Please refer to json content of schedule_list for details
schedule_list[0]["day_0"][0]["enable"]	Capture Period 1 Enable	N	Number,0:close,1:open
schedule_list[0]["day_0"][0]["hour_begain"]	Capture Period 1 start time hour	N	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_begain"]	Capture Period 1 start time minutes	N	Number, max:59, min:0
schedule_list[0]["day_0"][0]["hour_end"]	Capture Period 1 end time hour	N	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_end"]	Capture Period 1 end time minutes	N	Number, max:59, min:0

schedule_list[0]["day_1"][0]["enable"]	Capture Period 2 Enable	N	Number,0:close,1:open
schedule_list[0]["day_1"][0]["hour_begain"]	Capture Period 2 start time hour	N	Number, max:23, min:0
schedule_list[0]["day_1"][0]["min_begain"]	Capture Period 2 start time minutes	N	Number, max:59, min:0
schedule_list[0]["day_1"][0]["hour_end"]	Capture Period 2 end time hour	N	Number, max:23, min:0
schedule_list[0]["day_1"][0]["min_end"]	Capture Period 2 end time minutes	N	Number, max:59, min:0

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setAlarmInConf&json={"snapInterval":5000,"saveMode":7,"schedule_list":[{"day_0":[{"enable":1,"hour_begain":8,"min_begain":0,"hour_end":12,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_1":[{"enable":1,"hour_begain":14,"min_begain":0,"hour_end":18,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"da

y_2":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_3":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_4":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_5":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_6":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]}]}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

29. Motion Detection

Motion Detection Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getMotionDetConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name

json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

29.1. Get Motion Detection Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getMotionDetConf

return json content description：

parameter	Description	Settable	Note
md_enable	Enable Motion Detection	Y	Number,0:close,1:open
md_sensitivity	Sensitivity	Y	Number, max:5, min:1
schedule_enable	Armed Time Period	Y	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	Y	Number, max:23, min:0

sch_start_min	Armed Time Period (begin min)	Y	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	Y	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	Y	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	Y	Number,0:close,1:open
alarm_handle_alarmout	IO Out Put	Y	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	Y	Number, min:0
alarm_out_type	IO Output Type	Y	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	Y	Number,0:close,1:open

alarm_handle_snap_num	Number of continuous snapshots	Y	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	Y	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	Y	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	Y	Number,0:close,1:open
alarm_handle_rec	Linkage Video	Y	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	Y	Number, min:0
alarm_handle_rec_email	alarm send Email video	Y	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	Y	Number,0:close,1:open
area_list	alarm region	Y	Array, length=9, Please refer to json content of area_list for

			details
eventType	event Type	Y	Number,0:Motion detection,1:Face/portrait detection

json content of area_list：

parameter	Description	Settable	Note
area_h	alarm region box hight	Y	Number, max:576, min:0
area_w	alarm region box width	Y	Number, max:704, min:0
area_x	alarm region box x point	Y	Number, max:704, min:0
area_y	alarm region box y point	Y	Number, max:576, min:0

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getMotionDetConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"md_enable": 0,

"alarm_type": 0,

"alarm_audio": 0,

"md_sensitivity": 3,

"alarm_out_type": 0,

"schedule_enable": 1,

"sch_start_hour": 0,

"sch_start_min": 0,

"sch_end_hour": 23,

"sch_end_min": 59,

"alarm_handle_email": 0,

"alarm_handle_alarmout": 0,

"alarm_handle_alarmout_time": 10,

"alarm_handle_rec": 0,

```
"alarm_handle_rec_ftp": 0,
"alarm_handle_rec_email":    0,
"alarm_handle_rec_time":     60,
"alarm_handle_snap":    0,
"alarm_handle_snap_email":  0,
"alarm_handle_snap_ftp":     0,
"alarm_handle_snap_num":   1,
"alarm_handle_snap_interval":      1000,
"area_list":     [{
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
```

```
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
```

```
        }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
        }],
    "code":    0,
    "device_mac": "88-07-cb-00-02-be",
    "deviceID":    "CBT000114010100010238",
    "device_id":    "CBT000114010100010238",
    "log":      "",
    "device_ip":    "192.168.1.89"
    }
```


29.2. Set Motion Detection Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setMotionDetConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
md_enable	Enable Motion Detection	N	Number,0:close,1:open

md_sensitivity	Sensitivity	N	Number, max:5, min:1
schedule_enable	Armed Time Period	N	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	N	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	N	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	N	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	N	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	N	Number,0:close,1:open
alarm_handle_alar	IO Out Put	N	Number,0:close,1:open

mout			
alarm_handle_alarmout_time	Alarm Output Duration	N	Number, min:0
alarm_out_type	IO Output Type	N	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	N	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	N	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	N	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	N	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	N	Number,0:close,1:open
alarm_handle_rec	Linkage Video	N	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	N	Number, min:0

alarm_handle_rec_email	alarm send Email video	N	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	N	Number,0:close,1:open
area_list	alarm region	N	Array, length=9, only supported 0~3, Please refer to json content of area_list for details

json content of area_list：

parameter	Description	Necessary	Note
area_h	alarm region box hight	N	Number, max:576, min:0
area_w	alarm region box width	N	Number, max:704, min:0
area_x	alarm region box	N	Number,

	x point		max:704, min:0
area_y	alarm region box y point	N	Number, max:576, min:0

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setMotionDetConf&json=ity":3,"alarm_out_type":0,"schedule_enable":1,"sch_start_hour":0,"sch_start_min":0,"sch_end_hour":23,"sch_end_min":59,"alarm_handle_email":0,"alarm_handle_alarmout":0,"alarm_handle_alarmout_time":10,"alarm_handle_rec":0,"alarm_handle_rec_ftp":0,"alarm_handle_rec_email":0,"alarm_handle_rec_time":60,"alarm_handle_snap":0,"alarm_handle_snap_email":0,"alarm_handle_snap_ftp":0,"alarm_handle_snap_num":1,"alarm_handle_snap_interval":1000,"area_list":[{"area_x":478,"area_y":123.99999999999999,"area_w":116,"area_h":245},{"area_x":124,"area_y":384,"area_w":91,"area_h":109},{"area_x":316,"area_y":409,"area_w":66,"area_h":101},{"area_x":450,"area_y":421,"area_w":55,"area_h":88},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0}]}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

30. Region Alarm Detection

Region Alarm Detection Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRegInvConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user	Password encrypted with Md5

	password	
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

30.1. Get Region Alarm Detection Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRegInvConf

return json content description:

parameter	Description	Settable	Note
md_enable	Enable Motion Detection	Y	Number,0:close,1:open
md_sensitivity	Sensitivity	Y	Number, max:5, min:1
schedule_enable	Armed Time Period	Y	Number,0:close,1:open

sch_start_hour	Armed Time Period (begin hour)	Y	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	Y	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	Y	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	Y	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	Y	Number,0:close,1:open
alarm_handle_alarmout	IO Out Put	Y	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	Y	Number, min:0
alarm_out_type	IO Output Type	Y	Number, 0:Always Open,

			1:Always Close
alarm_handle_snap	Linkage Capture	Y	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	Y	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	Y	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	Y	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	Y	Number,0:close,1:open
alarm_handle_rec	Linkage Video	Y	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	Y	Number, min:0
alarm_handle_rec_email	alarm send Email video	Y	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	Y	Number,0:close,1:open
area_list	alarm region	Y	Array,

			length=9, Please refer to json content of area_list for details

json content of area_list：

parameter	Description	Settable	Note
area_h	alarm region box hight	Y	Number, max:576, min:0
area_w	alarm region box width	Y	Number, max:704, min:0
area_x	alarm region box x point	Y	Number, max:704, min:0
area_y	alarm region box y point	Y	Number, max:576, min:0

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getRegInvConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"md_enable": 0,

"alarm_type": 0,

"alarm_audio": 0,

"md_sensitivity": 3,

"alarm_out_type": 0,

"schedule_enable": 1,

"sch_start_hour": 0,

"sch_start_min": 0,

"sch_end_hour": 23,

"sch_end_min": 59,

"alarm_handle_email": 0,

"alarm_handle_alarmout": 0,

"alarm_handle_alarmout_time": 10,

"alarm_handle_rec": 0,

```
"alarm_handle_rec_ftp": 0,
"alarm_handle_rec_email":    0,
"alarm_handle_rec_time":     60,
"alarm_handle_snap":    0,
"alarm_handle_snap_email":  0,
"alarm_handle_snap_ftp":     0,
"alarm_handle_snap_num":   1,
"alarm_handle_snap_interval":      1000,
"area_list":     [{
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
```

```
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
    }, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
```

```
        }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
        }],
    "code":    0,
    "device_mac": "88-07-cb-00-02-be",
    "deviceID":    "CBT000114010100010238",
    "device_id":    "CBT000114010100010238",
    "log":      "",
    "device_ip":    "192.168.1.89"
    }
```


30.2. Set Region Alarm Detection Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setRegInvConf &json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
md_enable	Enable Motion Detection	N	Number,0:close,1:open

md_sensitivity	Sensitivity	N	Number, max:5, min:1
schedule_enable	Armed Time Period	N	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	N	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	N	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	N	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	N	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	N	Number,0:close,1:open
alarm_handle_alar	IO Out Put	N	Number,0:close,1:open

mout			
alarm_handle_alarmout_time	Alarm Output Duration	N	Number, min:0
alarm_out_type	IO Output Type	N	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	N	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	N	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	N	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	N	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	N	Number,0:close,1:open
alarm_handle_rec	Linkage Video	N	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	N	Number, min:0

alarm_handle_rec_email	alarm send Email video	N	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	N	Number,0:close,1:open
area_list	alarm region	N	Array, length=9, only supported 0~3, Please refer to json content of area_list for details

json content of area_list：

parameter	Description	Necessary	Note
area_h	alarm region box hight	N	Number, max:576, min:0
area_w	alarm region box width	N	Number, max:704, min:0
area_x	alarm region box	N	Number,

	x point		max:704, min:0
area_y	alarm region box y point	N	Number, max:576, min:0

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setRegInvConf&json=ity":3,"alarm_out_type":0,"schedule_enable":1,"sch_start_hour":0,"sch_start_min":0,"sch_end_hour":23,"sch_end_min":59,"alarm_handle_email":0,"alarm_handle_alarmout":0,"alarm_handle_alarmout_time":10,"alarm_handle_rec":0,"alarm_handle_rec_ftp":0,"alarm_handle_rec_email":0,"alarm_handle_rec_time":60,"alarm_handle_snap":0,"alarm_handle_snap_email":0,"alarm_handle_snap_ftp":0,"alarm_handle_snap_num":1,"alarm_handle_snap_interval":1000,"area_list":[{"area_x":478,"area_y":123.99999999999999,"area_w":116,"area_h":245},{"area_x":124,"area_y":384,"area_w":91,"area_h":109},{"area_x":316,"area_y":409,"area_w":66,"area_h":101},{"area_x":450,"area_y":421,"area_w":55,"area_h":88},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0}]}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

31. Fire Detection

Fire Detection Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getIVSConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	

pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

31.1. Get Fire Detection Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getIVSConf

return json content description：

parameter	Description	Settable	Note
enable	Enable Fire Detection	Y	Number,0:close,1:open
sensitivity	Sensitivity	Y	Number, max:5, min:1
schedule_enable	Armed Time	Y	Number,0:close,1:open

	Period		
sch_start_hour	Armed Time Period (begin hour)	Y	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	Y	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	Y	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	Y	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	Y	Number,0:close,1:open
alarm_handle_alarmout	IO Out Put	Y	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	Y	Number, min:0
alarm_out_type	IO Output Type	Y	Number,

			0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	Y	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	Y	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	Y	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	Y	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	Y	Number,0:close,1:open
alarm_handle_rec	Linkage Video	Y	Number,0:close,1:open
alarm_handle_rec_time	Recording Time(second)	Y	Number, min:0
alarm_handle_rec_email	alarm send Email video	Y	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	Y	Number,0:close,1:open

area_list	alarm region	Y	Array, length=9, Please refer to json content of area_list for details

json content of area_list：

parameter	Description	Settable	Note
area_h	alarm region box hight	Y	Number, max:576, min:0
area_w	alarm region box width	Y	Number, max:704, min:0
area_x	alarm region box x point	Y	Number, max:704, min:0
area_y	alarm region box y point	Y	Number, max:576, min:0

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getIVSConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"enable": 0,

"alarm_type": 0,

"alarm_audio": 0,

"sensitivity": 3,

"alarm_out_type": 0,

"schedule_enable": 1,

"sch_start_hour": 0,

"sch_start_min": 0,

"sch_end_hour": 23,

"sch_end_min": 59,

"alarm_handle_email": 0,

"alarm_handle_alarmout": 0,

"alarm_handle_alarmout_time": 10,

```
"alarm_handle_rec":       0,
"alarm_handle_rec_ftp": 0,
"alarm_handle_rec_email":    0,
"alarm_handle_rec_time":     60,
"alarm_handle_snap":    0,
"alarm_handle_snap_email":  0,
"alarm_handle_snap_ftp":     0,
"alarm_handle_snap_num":   1,
"alarm_handle_snap_interval":      1000,
"area_list":     [{
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
      }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
```

```
}, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
}, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
}, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
}, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
}, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
        "area_h": 576
}, {
        "area_x": 0,
        "area_y": 0,
        "area_w":704,
```

```
            "area_h": 576
        }, {
            "area_x": 0,
            "area_y": 0,
            "area_w":704,
            "area_h": 576
        }],
    "code":    0,
    "device_mac": "88-07-cb-00-02-be",
    "deviceID":    "CBT000114010100010238",
    "device_id":    "CBT000114010100010238",
    "log":      "",
    "device_ip":    "192.168.1.89"
    }
```


31.2. Set Fire Detection Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setIVSConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
enable	Enable Fire	N	Number,0:close,1:open

	Detection		
sensitivity	Sensitivity	N	Number, max:5, min:1
schedule_enable	Armed Time Period	N	Number,0:close,1:open
sch_start_hour	Armed Time Period (begin hour)	N	Number, max:23, min:0
sch_start_min	Armed Time Period (begin min)	N	Number, max:59, min:0
sch_end_hour	Armed Time Period (end hour)	N	Number, max:23, min:0
sch_end_min	Armed Time Period (end min)	N	Number, max:59, min:0
alarm_handle_email	Alarm Linkage	N	Number,0:close,1:open

alarm_handle_alarmout	IO Out Put	N	Number,0:close,1:open
alarm_handle_alarmout_time	Alarm Output Duration	N	Number, min:0
alarm_out_type	IO Output Type	N	Number, 0:Always Open, 1:Always Close
alarm_handle_snap	Linkage Capture	N	Number,0:close,1:open
alarm_handle_snap_num	Number of continuous snapshots	N	Number, min:0
alarm_handle_snap_interval	Snapshot Interval(ms)	N	Number, min:0
alarm_handle_snap_email	alarm send Email snapshot	N	Number,0:close,1:open
alarm_handle_snap_ftp	alarm send FTP snapshot	N	Number,0:close,1:open
alarm_handle_rec	Linkage Video	N	Number,0:close,1:open
alarm_handle_rec_	Recording	N	Number,

time	Time(second)		min:0
alarm_handle_rec_email	alarm send Email video	N	Number,0:close,1:open
alarm_handle_rec_ftp	alarm send FTP video	N	Number,0:close,1:open
area_list	alarm region	N	Array, length=9, only supported 0~3, Please refer to json content of area_list for details

json content of area_list：

parameter	Description	Necessary	Note
area_h	alarm region box hight	N	Number, max:576, min:0
area_w	alarm region box width	N	Number, max:704, min:0

area_x	alarm region box x point	N	Number, max:704, min:0
area_y	alarm region box y point	N	Number, max:576, min:0

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setIVSConf&json=ity":3,"alarm_out_type":0,"schedule_enable":1,"sch_start_hour":0,"sch_start_min":0,"sch_end_hour":23,"sch_end_min":59,"alarm_handle_email":0,"alarm_handle_alarmout":0,"alarm_handle_alarmout_time":10,"alarm_handle_rec":0,"alarm_handle_rec_ftp":0,"alarm_handle_rec_email":0,"alarm_handle_rec_time":60,"alarm_handle_snap":0,"alarm_handle_snap_email":0,"alarm_handle_snap_ftp":0,"alarm_handle_snap_num":1,"alarm_handle_snap_interval":1000,"area_list":[{"area_x":478,"area_y":123.99999999999999,"area_w":116,"area_h":245},{"area_x":124,"area_y":384,"area_w":91,"area_h":109},{"area_x":316,"area_y":409,"area_w":66,"area_h":101},{"area_x":450,"area_y":421,"area_w":55,"area_h":88},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0},{"area_x":0,"area_y":0,"area_w":0,"area_h":0}]}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

32. Storage Device

Storage Device Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getStorageRule&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	

pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

32.1. Get Storage Device Info

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getStorageInfo

return json content description：

parameter	Description	Settable	Note
devs	Storage Devices	N	Array, Please refer to json content of devs for details

json content of devs：

parameter	Description	Settable	Note
id	Devices ID	N	String
type	Devices Type	N	Number, 0:NONE, 1:USB, 2:HDD, 3:NETDISK, 4:EMMC, 5:SD, other:UNKOWN,
total_storage	Total Capacoty(M)	N	Number
remaining_storage	Residual Capacoty(M)	N	Number
status	Devices Status	N	Number, 0:None, 1:Ready, 2:Need To Format, 3:Formatting, 4:Error, other:Unkown,

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getStorageInfo

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"devs": [],

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

32.2. Storage Device Format

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=devsFormat&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
dev_type	Video Packing Time(Min)	Y	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=devsFormat&json={"dev_type":5}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

32.3. Get Storage Device Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getStorageRule

return json content description：

parameter	Description	Settable	Note
package_time	Video Packing Time(Min)	Y	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getStorageRule

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"package_time": 30,

"disk_size": 0,

"parti_size_record": 0,

"parti_size_snap": 0,

"code": 0,

"device_mac": "88-07-cb-00-02-be",

"deviceID": "CBT000114010100010238",

"device_id": "CBT000114010100010238",

"log": "",

"device_ip": "192.168.1.89"

}

32.4. Set Storage Device Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setStorageRule&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
package_time	Video Packing Time(Min)	N	Number

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setStorageRule&json={"package_time":30}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

33. Time-lapse Recording

Video Program Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRecSchedule&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getSysConfig/setSysConfig	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

33.1. Get Time-lapse Recording Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRecSchedule

return json content description：

parameter	Description	Settable	Note
schedule_list[0]["day_0"][0]["enable"]	Recording Time1 Enable	Y	Number,0:close,1:open

schedule_list[0]["day_0"][0]["hour_begain"]	Recording Time1 start time hour	Y	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_begain"]	Recording Time1 start time minutes	Y	Number, max:59, min:0
schedule_list[0]["day_0"][0]["hour_end"]	Recording Time1 end time hour	Y	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_end"]	Recording Time1 end time minutes	Y	Number, max:59, min:0
schedule_list[0]["day_0"][1]["enable"]	Recording Time2 Enable	Y	Number,0:close,1:open
schedule_list[0]["day_0"][1]["hour_begain"]	Recording Time2 start time hour	Y	Number, max:23, min:0
schedule_list[0]["day_0"][1]["min_begain"]	Recording Time2 start time minutes	Y	Number, max:59, min:0

schedule_list[0]["day_0"][1]["hour_end"]	Recording Time2 end time hour	Y	Number, max:23, min:0
schedule_list[0]["day_0"][1]["min_end"]	Recording Time2 end time minutes	Y	Number, max:59, min:0
minor_stream	Stream Type	Y	Number, 0:Main Stream 1:Subcode Stream

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getRecSchedule

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"minor_stream": 0,

"schedule_list": [{

"day_0": [{

```
        "enable": 0,
        "hour_begain":      0,
        "min_begain": 0,
        "hour_end":    23,
        "min_end":     59
    }, {
        "enable": 0,
        "hour_begain":      0,
        "min_begain": 0,
        "hour_end":    23,
        "min_end":     59
    }, {
        "enable": 0,
        "hour_begain":      0,
        "min_begain": 0,
        "hour_end":    23,
        "min_end":     59
    }, {
        "enable": 0,
        "hour_begain":      0,
        "min_begain": 0,
        "hour_end":    23,
        "min_end":     59
    }]
```

```
}, {
    "day_1": [{
            "enable": 0,
            "hour_begain":    0,
            "min_begain": 0,
            "hour_end":    23,
            "min_end":    59
        }, {
            "enable": 0,
            "hour_begain":    0,
            "min_begain": 0,
            "hour_end":    23,
            "min_end":    59
        }, {
            "enable": 0,
            "hour_begain":    0,
            "min_begain": 0,
            "hour_end":    23,
            "min_end":    59
        }, {
            "enable": 0,
            "hour_begain":    0,
            "min_begain": 0,
            "hour_end":    23,
            "min_end":    59
        }, {
            "enable": 0,
            "hour_begain":    0,
            "min_begain": 0,
            "hour_end":    23,
```

```
                "min_end":     59
            }]
    }, {
        "day_2": [{
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
```

```
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }]
    }, {
        "day_3": [{
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }, {
```

```
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }]
    }, {
        "day_4": [{
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
```

```
                "min_end":      59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":     23,
                "min_end":      59
            }]
    }, {
        "day_5": [{
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":     23,
                "min_end":      59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":     23,
                "min_end":      59
            }, {
                "enable": 0,
                "hour_begain":      0,
```

```
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }]
    }, {
        "day_6": [{
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":   23,
                "min_end":    59
            }, {
```

```
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }, {
                "enable": 0,
                "hour_begain":      0,
                "min_begain": 0,
                "hour_end":    23,
                "min_end":     59
            }]
        }],
    "code":    0,
    "device_mac": "88-07-cb-00-02-be",
    "deviceID":    "CBT000114010100010238",
    "device_id":   "CBT000114010100010238",
    "log":     "",
    "device_ip":   "192.168.1.89"
    }
```


33.2. Set Time-lapse Recording Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setRecSchedule&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
schedule_list[0]["day_0"][0]["enable"]	Recording Time1 Enable	N	Number,0:close,1:open
schedule_list[0]["day_0"][0]["hour_begain"]	Recording Time1 start time hour	N	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_begain"]	Recording Time1 start time minutes	N	Number, max:59, min:0
schedule_list[0]["day_0"][0]["hour_end"]	Recording Time1 end time hour	N	Number, max:23, min:0
schedule_list[0]["day_0"][0]["min_end"]	Recording Time1 end time minutes	N	Number, max:59, min:0
schedule_list[0]["day_0"][1]["enable"]	Recording Time2 Enable	N	Number,0:close,1:open
schedule_list[0]["d	Recording Time2	N	Number,

ay_0"][1]["hour_begain"]	start time hour		max:23, min:0
schedule_list[0]["day_0"][1]["min_begain"]	Recording Time2 start time minutes	N	Number, max:59, min:0
schedule_list[0]["day_0"][1]["hour_end"]	Recording Time2 end time hour	N	Number, max:23, min:0
schedule_list[0]["day_0"][1]["min_end"]	Recording Time2 end time minutes	N	Number, max:59, min:0
minor_stream	Stream Type	N	Number, 0:Main Stream 1:Subcode Stream

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setRecSchedule&json={"minor_stream":0,"schedule_list":[{"day_0":[{"enable":1,"hour_begain":8,"min_begain":0,"hour_end":12,"min_end":59},{"enable":1,"hour_begain":16,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_1":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_2":[{"enable":

0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_3":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_4":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_5":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]},{"day_6":[{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59},{"enable":0,"hour_begain":0,"min_begain":0,"hour_end":23,"min_end":59}]}]}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

34. ExposureInfo

Device Exposure information acquisition.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getExposureInfo&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailCo	Get/Set interface name

	nf	
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

34.1. Get Exposure Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getExposureInfo

return json content description：

parameter	Description	Settable	Note
ExpTime	Exposure time	N	Number
AGain	AGain	N	Number
DGain	DGain	N	Number
ISPDGain	ISPDGain	N	Number
Exposure	Exposure	N	Number
Fps	Fps	N	Number
ISO	ISO	N	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getExposureInfo

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n


```
{
    "ExpTime": 39941,
    "AGain": 3201,
    "DGain": 1024,
    "ISPDGain": 1080,
    "Exposure": 1078737,
    "Fps": 2500,
    "ISO": 329,
    "code": 0,
    "device_mac": "ac-07-18-00-05-a3",
    "deviceID": "H01000171410100010156",
    "device_id": "H01000171410100010156",
    "log": "",
    "device_ip": "192.168.1.221",
    "sign_tby": "7f652b7b4afb592a0a9b2a3175946d78"
}
```

35. RTMP

RTMP Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRtmpConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

35.1. Get RTMP Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getRtmpConf

return json content description：

parameter	Description	Settable	Note
RtmpEnable	Enable	Y	Number,0:close,1:open
RtmpServerAddr	Rtmp Server Address	Y	String
RtmpType	Push stream selection	Y	Number,0:main stream,1:sub stream

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getRtmpConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"RtmpEnable": 0,

```
    "RtmpServerAddr": "",
    "RtmpType": 0,
    "code": 0,
    "device_mac": "bc-07-18-00-1b-df",
    "deviceID": "H01000150A10100011325",
    "device_id": "H01000150A10100011325",
    "log": "",
    "device_ip": "192.168.1.102",
    "sign_tby": "1458045958e5eb26c7037059ed99e147"
}
```


35.2. Set RTMP Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setRtmpConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
RtmpEnable	Enable	N	Number,0:close,1:open
RtmpServerAddr	Rtmp Server Address	N	String
RtmpType	Push stream	N	Number,0:main

	selection		stream,1:sub stream

Example: Setting all parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setRtmpConf&json={"RtmpEnable":1,"RtmpServerAddr":"rtmp://192.168.1.5:8007/videotest","RtmpType":0}
```

Response Example:

Case 1: successful.

```
HTTP/1.1 200 OK\r\n
Date: Sun Dec  2 02:39:43 2001\r\n
Transfer-Encoding: chunked\r\n
Connection: keep-alive\r\n
X-Frame-Options: SAMEORIGIN\r\n
\r\n
{
"code":0,
"device_mac":"88-07-cb-00-02-be",
"deviceID":"CBT000114010100010238",
"device_id":"CBT000114010100010238",
"log":"",
"device_ip":"192.168.1.89"
}
```

36. Snap Base64 Image

Capture the image immediately and return the base64 image data.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getFmtSnap&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

36.1. Get Exposure Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getFmtSnap

return json content description：

parameter	Description	Settable	Note
image_base64	base64 image data	N	String
image_length	image length	N	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getFmtSnap

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"image_base64":"/9j/4AAQSkZJR....",

"image_length":1064105,

"code": 0,

"device_mac": "ac-07-18-00-05-a3",

"deviceID": "H01000171410100010156",

"device_id": "H01000171410100010156",

"log": "",

"device_ip": "192.168.1.221",

"sign_tby": "7f652b7b4afb592a0a9b2a3175946d78"

}

37. SmartAudio

Smart Audio Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getSmartAudioConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name

json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

37.1. Get SmartAudio Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getSmartAudioConf

return json content description：

parameter	Description	Settable	Note
enable	Enable	Y	Number,0:close,1:open
timeEnable	Time control	Y	Number,0:close,1:open
hour_begain	begain time hour	Y	Number, max:23, min:0
min_begain	begain time min	Y	Number, max:59, min:0
hour_end	end time hour	Y	Number, max:23,

			min:0
min_end	end time min	Y	Number, max:59, min:0
whiteListAudio	Whitelist broadcast content	Y	Number, 0:关闭, 1:打卡成功, 2:识别成功, 3:已开门, 4:欢迎回家, 5:欢迎光临
blacklistAudio	Blacklist broadcast content	Y	Number, 0:关闭, 1:管控人员, 2:禁止进入, 3:告警声音
strangerAudio	Stranger broadcast content	Y	Number, 0:关闭, 1:私人领域请勿靠近, 2:您已进入监控区域, 3:高级声音

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getSmartAudioConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"enable": 1,

"timeEnable": 1,

"hour_begain": 6,

"min_begain": 0,

"hour_end": 9,

"min_end": 0,

"whiteListAudio": 4,

"blacklistAudio": 2,

"strangerAudio": 1,

"code": 0,

"device_mac": "bc-07-18-00-1a-ec",

"deviceID": "H01000150A10100011082",

"device_id": "H01000150A10100011082",

"log": "",

"device_ip": "192.168.1.110",

"sign_tby": "3f2c15a2199ae14d309baad3f68abce5"

}

37.2. Set SmartAudio Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setSmartAudioConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
enable	Enable	N	Number,0:close,1:open
timeEnable	Time control	N	Number,0:close,1:open
hour_begain	begain time hour	N	Number, max:23, min:0
min_begain	begain time min	N	Number, max:59, min:0
hour_end	end time hour	N	Number, max:23, min:0

min_end	end time min	N	Number, max:59, min:0
whiteListAudio	Whitelist broadcast content	N	Number, 0:关闭, 1:打卡成功, 2:识别成功, 3:已开门, 4:欢迎回家, 5:欢迎光临
blacklistAudio	Blacklist broadcast content	N	Number, 0:关闭, 1:管控人员, 2:禁止进入, 3:告警声音
strangerAudio	Stranger broadcast content	N	Number, 0:关闭, 1:私人领域请勿靠近, 2:您已进入监控区域, 3:高级声音

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setSmartAudioConf&json={"enable":1,"timeEnable":1,"hour_begain":6,"min_begain":0,"hour_end":9,"min_end":0,"whiteListAudio":4,"blacklistAudio":2,"strangerAudio":1}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

38. Alarm IO Status

Get Alarm IO Status.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getIOAlarmIn&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

38.1. Get Alarm IO Status

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getIOAlarmIn

return json content description：

parameter	Description	Settable	Note
status	IO status	N	Number

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getIOAlarmIn

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"status":1,

"code": 0,

"device_mac": "ac-07-18-00-05-a3",

"deviceID": "H01000171410100010156",

"device_id": "H0100017141010010156",

"log": "",

"device_ip": "192.168.1.221",

"sign_tby": "7f652b7b4afb592a0a9b2a3175946d78"

}

39. TXT File

Store or get the TXT file.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformConfFile&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

39.1. Get the TXT file

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPlatformConfFile

return json content description：

parameter	Description	Settable	Note
file_path	file path	Y	String

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getPlatformConfFile&json={"file_path":"/appfs/fconfigs/thr_conf.txt"}

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"file_content": "{\"test\":0}",

"code": 0,

"device_mac": "bc-07-18-00-1b-22",

"deviceID": "H01000150A10100011136",

"device_id": "H01000150A10100011136",

"log": "",

"device_ip": "192.168.1.98",

"sign_tby": "43e33b77bbcb22a829918660b84dabee"

}

39.2. Store the TXT file

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPlatformConfFile&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
file_path	file path	N	String
file_content	file content	N	String

Example: Setting all parameters

```
http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPlatformConfFile&json={"file_path":"/appfs/fconfigs/thr_conf.txt","file_content":"{\"test\":0}"}
```

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"file_length":10,

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

40. Peripheral

Peripheral Parameter information acquisition and setting.

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPeripheralConf&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<val	Description	Note

ue>		
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

40.1. Get Peripheral Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=getPeripheralConf

return json content description：

parameter	Description	Settable	Note
PTZ_Lock	PTZ Lock	Y	Number,0:close,1:open
baudrate	baudrate	Y	Number,2400/4800/960

			0/115200
dataBits	dataBits	Y	Number,5/6/7/8
stopBits	stopBits	Y	Number,1/2
parity	parity	Y	Number, 0:none, 1:odd, 2:even, 3:Constant 1, 4:Constant 0,

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=getPeripheralConf

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"PTZ_Lock": 0,

"baudrate": 9600,

"dataBits": 8,

```
    "stopBits": 1,
    "parity": 0,
    "flowControl": 0,
    "code": 0,
    "device_mac": "bc-07-18-00-1a-ec",
    "deviceID": "H01000150A10100011082",
    "device_id": "H01000150A10100011082",
    "log": "",
    "device_ip": "192.168.1.110",
    "sign_tby": "2b6db7d582fcc8c4bb5a3d4e14112fad"
}
```


40.2. Set Peripheral Parameter Setting

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=setPeripheralConf&json={[<parameter>:<value >...]}

Note: You can set the value of one parameter or all parameters.

Description of json settable parameters：

parameter	Description	Necessary	Note
PTZ_Lock	PTZ Lock	N	Number,0:close,1:open
baudrate	baudrate	N	Number,2400/4800/9600/115200
dataBits	dataBits	N	Number,5/6/7/8

stopBits	stopBits	N	Number,1/2
parity	parity	N	Number, 0:none, 1:odd, 2:even, 3:Constant 1, 4:Constant 0,

Example: Setting all parameters

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=setPeripheralConf&json={"PTZ_Lock":0,"baudrate":9600,"dataBits":8,"stopBits":1,"parity":0,}

Response Example:

Case 1: successful.

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code":0,

"device_mac":"88-07-cb-00-02-be",

"deviceID":"CBT000114010100010238",

"device_id":"CBT000114010100010238",

"log":"",

"device_ip":"192.168.1.89"

}

41. Open Door

Control IO to open door.Change the IO state within the IO output duration

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=openDoor&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name

json={[<parameter>:<value>...]}	Interface parameter transfer	Please refer to the setting and obtaining phase for details

41.1. Open Door

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=openDoor

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=openDoor

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code": 0,

"device_mac": "ac-07-18-00-05-a3",

"deviceID": "H01000171410100010156",

"device_id": "H0100017141010001 0156",

"log": "",

"device_ip": "192.168.1.221",

"sign_tby": "7f652b7b4afb592a0a9b2a3175946d78"

}

42. Send IO Data

Send Data to IO (RS485).

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=ioSendData&json={}

Note: This requires administrator access(administrator authorization).

with the following parameters and values

<parameter>=<value>	Description	Note
user=<string>	A user name	
pwd=<string>	A user password	Password encrypted with Md5
action=<string>	getMailConf/setMailConf	Get/Set interface name
json={[<parameter>:<value>...]}	Interface parameter	Please refer to the setting and obtaining phase for details

	transfer	

42.1. Send Data to IO

Syntax:

http://<server ipaddr>/action/cgi_action?user=<value>&pwd=<value>&action=ioSendData&json={}

Description of json settable parameters：

parameter	Description	Necessary	Note
data	data	N	Strings

Example:

http://192.168.1.89/action/cgi_action?user=admin&pwd=e10adc3949ba59abbe56e057f20f883e&action=ioSendData&json={"data":"test"}

Response example:

HTTP/1.1 200 OK\r\n

Date: Sun Dec 2 02:39:43 2001\r\n

Transfer-Encoding: chunked\r\n

Connection: keep-alive\r\n

X-Frame-Options: SAMEORIGIN\r\n

\r\n

{

"code": 0,

"device_mac": "ac-07-18-00-05-a3",

"deviceID": "H01000171410100010156",

```
    "device_id": "H01000171410100010156",
    "log": "",
    "device_ip": "192.168.1.221",
    "sign_tby": "7f652b7b4afb592a0a9b2a3175946d78"
}
```