H Series

IP Camera CGI Guide

IP Camera CGI Profile

CGI listed in this article is to provide a set of IP camera interface based on http protocol, the client program (which can be web browser running on the web or other applications) can operate the IP camera with the CGI.

- CGI security certification: CGI certification authority have two kinds, one is HTTP Basic authentication method, this authentication method is to get more relevant parameters of the CGI, another method of authentication is by user and password into CGI method, which is set mainly related to CGI.

- CGI related to the set method: in all http methods, CGI only supports get and post. upgrade_firmware.cgi and upgrade_htmls.cgi only support the post method,

    Get examples:
    <form action="/set_mail.cgi">
        <input name="sender">
        <input name="receiver1">
        <input name="receiver2">
        <input name="receiver3">
        <input name="receiver4">
        <input name="svr">
        <input name="user">
        <input name="pwd">
        <input type=hidden name="next_url" value="mail.htm">
        <input type=submit value="ok">
    </form>
    Post examples
    <form action="upgrade_firmware.cgi?next_url=mail.htm" method="post"

    enctype="multipart/form-data">

    <input type="file" name="file" size="20">
    </form>

- get relevant CGI return:
    - ✓ Access to device status and parameters of the CGI, including get_status.cgi and get_params.cgi. They returned including IP camera status or parameter text, the specific format similar to the javascript variable definitions, each state is defined as a variable or parameter and returns, such as:
        ```
        var alias="IPCAM";
        var sys_ver="Apr 28 2011 00:18:03";
        var id="00000000031729";
        ```

login.cgi

Description: Get the current user and password, access
Authentication: HTTP Authentication
Syntax: /login.cgi
Return:
loginuser: the current user
loginpass: current password
pri: current permissions:
    1: Guest
    2: the operator
    255: Administrator

snapshot.cgi

Description: Get the current picture
Certification: None
Syntax: /cgi-bin/snapshot.cgi [?loginuse=&loginpas =]
Parameters: None

RTSP stream

Description: IP camera send H.264 streaming video and audio data formats, it supports H264 and RTSP streaming player. Recommended to use VLC media player 0.8.6c/mplayer/quicktime. Can also use the phone supports H264 and RTSP streaming player
Syntax: /H264
Parameters:

livestream.cgi

Description: get the H.264 stream.

Syntax: /livestream.cgi[?user=&pwd=&streamid=0]
Parameters:
    user: the account of ip camera.
    pwd: the password of ip camera.
    streamed: the stream id to get.
Return:
    The header structor:
typedef struct
{
    char   type;// 0:the I frame of the video.
                //1:the P frame of the video
                //2:audio data
                //255:heart beat
    char   streamid;//0:main tream
    unsigned short militime;//timestamp,militime
    unsigned int   sectime; //timestamp, second
    unsigned int len; //data lenngth
    unsigned int   frameno; //frame index
    PBYTE   pData;
} LIVESTREAM, *PLIVESTREAM;

Note:the interface is implemented after the version 0.1.0.3.99

JPEG stream

Description: IP camera push model to push Motion JPEG video stream
Syntax: /cgi-bin/videostream.cgi[?loginuse=&loginpas=&resolution=&rate=]
Parameters:
Note: resolution and the rate to take the last, not support

get_status.cgi

Description: Get IP camera Status
Certification: None
Syntax: /get_status.cgi
Return:
  alias: the IP camera name
  sys_ver: System Version
  alarm_status: the current state of the IP camera, 0: no alarm, 1: Motion detection

alarm, 2: GPIO alarm

upnp_status: UPNP status, 1 -> successful 3 -> fail

p2p_status: p2p state

inter_ip_status: Internal IP address

extern_ip_status: external IP address

now: 1970-1-1 0:0:0 to the device from the current number of seconds elapsed time.

Dns: factory dynamic IP DNS server address

dns_port: Dynamic IP Domain Port factory

dnsuser: manufacturers of dynamic IP domain users

dnspass: manufacturers of dynamic IP domain password

sdtotal: TF card total capacity

sdlevel: TF card capacity

dnsenable: enable/disable the manufacturer DDNS;

osdenable: enable/disable the OSD

mac: MAC address

id: device ID

ddns_status: manufacturer DDNS,

    0: succefully

    1: connecting

    2: no action

    3: Unable to obtain DNS server IP address

    4: Failed to connect to server

    255:failure

ddns_third_status: Third Party DDNS status,

    0: succefully

    1: connection

    255:no action or failure

sdstatus: the state of TF card

ddnsver type: the type of manufacturers DDNS

decoder_control.cgi

Description: The decoder control

Authentication: user and password into the

Syntax: /cgi-bin/decoder_control.cgi?

    command=&onestep=&sit=&loginuse=&loginpas=&next_url=

Parameters:

    onestep = 0: indicates PTZ operation for the single-step operation to stop, only for the model comes with ptz functions and only for up, down, left and right operation.

command: the command decoder operation:

Value	Function

0	Stop
1	Up
2	Down
3	Left
6	Right
4	Left-Up
7	Right-Up
5	Left-Down
8	Right-Down
9	Patrol
12	Patrol a circle then stop on the center pointer.
13	Save current position as a preset position
15	Turn to a preset position
11	Vertical Patrol
10	Horizontal Patrol|
20	Horizontal Patrol for 485 serial port
21	Stop Horizontal Patrol for 485 serial port
16	Zoom in
18	Zoom out
94	Switch on the output port
95	Switch off the output port

camera_control.cgi

Description: Image sensor parameter control

Permissions: operator

Syntax: / camera_control.cgi?param=&value=&loginuse=&loginpas=&next_url=

Parameters:

param: parameter type

value: the parameter value

param	value
0: Resolution	0: VGA
	1: QVGA

1: Brightness	0~255
2: Contrast	0~255
3: Mode	0:50hz
	1:60hz
	2:室外
6: Max frame rate	25:25fps 12:12fps;6:6fps;3:3fps
7: Restore	Restore brightness and contrast default value.
5: Rotation	0:default
	1:vertical Flip
	2:horizontal mirror
	3:vertical + horizontal image flip

reboot.cgi

Description: Reboot the device
Certification: None
Syntax: /reboot.cgi?loginuse=&loginpas=&next_url=

restore_factory.cgi

Description: Restore factory settings
Certification: None
Syntax: /restore_factory.cgi?loginuse=&loginpas=&next_url=rebootme.htm

get_params.cgi

Description: Get IP camera parameters
Authentication: HTTP
Syntax: /get_params.cgi
Return:

tz	time zone settings and the device is currently the standard deviation of the number of seconds GMT
ntp_enable	0:disable ntp；1:prohibit
ntp_svr	NTP server
user1_name	the name of the user 1
user1_pwd	the password of the user 1

user1_pri	user rights of the user 1
…	
user8_name	the name of the user 8
user8_pwd	the password of the user 8
user8_pri	user rights of the user 8
dev2_alias	The alias of the device 2
dev2_host	The address of the device 2
dev2_port	The port of the device 2
dev2_user	The user name of the device 2
dev2_pwd	The user password of the device 2
dev2_dataport	The data port of the device 2
dev2_cmdport	The command port of the device 2
…	
dev4_alias	The alias of the device 4
dev4_host	The address of the device 4
dev4_port	The port of the device 4
dev4_user	The user name of the device 4
dev4_pwd	The user password of the device 4
dhcpen	Enable/disable DHCP
ip	IP address
mask	Submask
gateway	Gate way
dns1	The first DNS server
Dns2	The secondary DNS server
port	Http port
cmdport	Same with Http port
dataport	Same with Http port
rtspport	RTSP stream port
wifi_enable	Disable/enable WIFI
wifi_ssid	SSID of WIFI
wifi_channel	reserved
wifi_mode	Reserved
wifi_encrypt	0:无；1:WEP；2:WPAPSK(TKIP)；3:WPAPSK(AES)；4:WPA2PSK(AES)； 5:WPA2PSK(TKIP)
wifi_authtype	parity mode,0:open；1:share
wifi_keyformat	key format,0:hexadecimal digits；1:ASCII characters
wifi_defkey	key selection
wifi_key1	Key 1
wifi_key2	Key 2
wifi_key3	Key 3
wifi_key4	Key 4
wifi_key1_bits	The length of key 1,0:64 bits；1:128 bits

wifi_key2_bits	The length of key 2,0:64 bits；1:128 bits
wifi_key3_bits	The length of key 3,0:64 bits；1:128 bits
wifi_key4_bits	The length of key 3,0:64 bits；1:128 bits
wifi_wpa_psk	wpa psk key
pppoe_enable	Disable/enable PPPoE
pppoe_user	PPPoE user name
pppoe_pwd	PPPoE password
rtsp_auth_enable	RTSP stream authentication
rtsp_user	RTSP user
Rtsp_pwd	RTSP password
upnp_enable	Disable/enable UPNP 0:disable；1:enable
ddns_service	0:disable DDNS
	1:Peanut (not support)
	2:DynDns.org(dyndns)
	3:DynDns.org(statdns)
	4:DynDns.org(custom)
	5:Reserved
	6:Reserved
	7:Reserved
	8:3322(dyndns)
	9:3322(statdns)
	10:Reserved
	11:Reserved
	12:Reserved
ddns_user	DDNS username
ddns_pwd	DDNS password
ddns_host	DDNS domain
ddns_proxy_svr	DDNS server
ddns_proxy_port	DDNS server port
mail_svr	mail server address
mail_port	mail server port
mail_user	mail server login user
mail_pwd	mail server password
mail_sender	sender of the mail
mail_receiver1	recipient 1 of the mail
mail_receiver2	recipient 2 of the mail
mail_receiver3	recipient 3 of the mail
mail_receiver4	recipient 4 of the mail
mail_inet_ip	Whether send e-mail notifications when the camera IP changed, 0: no; 1: Yes
mailssl	Whether use SSL. 0:NO,1:starttls,2:tls
ftp_svr	FTP server address
ftp_port	FTP server port

ftp_user	FTP server login user
ftp_pwd	FTP server login password
ftp_dir	ftp directory stored on the server
ftp_mode	0:port mode；1:pasv mode
ftp_upload_interval	upload pictures of the interval (s), 0: Disable
ftp_filename	ftp file name
alarm_motion_armed	Disable/enable motion detection. 0:disable；1:enable
alarm_motion_sensitivity	0-9:high-low
alarm_input_armed	Disable/enable GPIO alarm. 0:disable；1:enable
alarm_ioin_level	GPIO input level, 0: low; 1: High
alarm_iolinkage	0:disable GPIO output；1:enable GPIO output
alarm_preset	Call preset position on alarm
alarm_ioout_level	GPIO linkage output level, 0: low; 1: High
alarm_mail	Disable/enable email alarm
alarm_upload_interval	Upload pictures when an alarm interval (s), 0: Disable
alarm_http	Disable/enable accessing http URL
alarm_http_url	The URL to be accessed on alarming
alarm_schedule_enable	Disable/enable the deployment plan
alarm_schedule_sun_0	by 24 hours a day, hour by 15 minutes divided into 96 deployment periods.
alarm_schedule_sun_1	
alarm_schedule_sun_2	
alarm_schedule_mon_0	
alarm_schedule_mon_1	
alarm_schedule_mon_2	
alarm_schedule_tue_0	
alarm_schedule_tue_1	
alarm_schedule_tue_2	
alarm_schedule_wed_0	
alarm_schedule_wed_1	
alarm_schedule_wed_2	
alarm_schedule_thu_0	
alarm_schedule_thu_1	
alarm_schedule_thu_2	
alarm_schedule_fri_0	
alarm_schedule_fri_1	
alarm_schedule_fri_2	
alarm_schedule_sat_0	
alarm_schedule_sat_1	
alarm_schedule_sat_2	
Alarmpresetsit	Preset position

upgrade_firmware.cgi

Description: The device firmware upgrade
Certification: None
Syntax: /upgrade_firmware.cgi?next_url=rebootme.htm
Note: The CGI must use the post method, the file will need to upgrade the package sent to the ip camera.

upgrade_htmls.cgi

Description: The web interface to upgrade equipment
Certification: None
Syntax: /upgrade_htmls.cgi?next_url=rebootme.htm
Note: The CGI must use the post method, the file will need to upgrade the package sent to the ip camera.

set_alias.cgi

Description: Set the device alias parameters
Authentication: password verification
Syntax: /set_alias.cgi?alias=&loginuse=&loginpas=&next_url=
Parameters:
Note: This alias will be displayed on the video, but the OSD does not support Chinese characters display, do not set to Chinese.
alias: device alias, length <= 16

set_datetime.cgi

Description: Set the device date and time parameters
Authentication: password verification
Syntax: /set_datetime.cgi?tz=&ntp_enable=&ntp_svr=&now=&loginuse=&loginpas=&next_url =
Parameters:

now	The time from 1970-1-1 0:0:0 to the specified number of seconds elapsed time.
tz	GMT and the standard deviation of the number of seconds
ntp_enable	Disable/enable NTP 0: disable 1: enable

ntp_svr	NTP server,length <= 64

set_users.cgi

Description: Set the device user parameters
Authentication: password verification
Syntax:
/set_users.cgi?user1=&pwd1=&pri1=&user2=&pwd2=&pri2=&user3=&pwd3=&pri3=&user4=&
pwd4=&pri4=&user5=&pwd5=&pri5=&user6=&pwd6=&pri6=&user7=&pwd7=&pri7=&us
er8=&pwd8=&pri8=&loginuse=&loginpas=&next_url=
Parameters:

user1	User 1 user name, length <= 7
pwd1	User 1 password, length <= 7
pri1	User 1 permissions, 1: visitor; 2: the operator; 255: Administrator
…	
user8	User 8 user name, length <= 7
pwd8	User 8 password, length <= 7
pri8	User 8 permissions, 1: visitor; 2: the operator; 255: Administrator

set_devices.cgi

Description: Set the parameters of multiple devices
Authentication: password verification
Syntax:
/Set_devices.cgi?dev2_alias=&dev2_host=&dev2_port=&dev2_user=&dev2_pwd=&dev3_alias=
&dev3_host=&dev3_port=&dev3_user=&dev3_pwd=&dev4_alias=&dev4_host=&dev4_por
t=&dev4_user=&dev4_pwd=&loginuse=&loginpas=&next_url=Parameters:
Parameters:

dev2_alias	The device 2 alias, length<=16
dev2_host	The device 2 address, length<=64
dev2_port	The device 2 port
dev2_user	The device 2 user name, length<=8
dev2_pwd	The device 2 password, length<=8
…	
dev4_alias	The device 4 alias, length<=16
dev4_host	The device 4 address, length<=64
dev4_port	The device 4 port
dev4_user	The device 4 user name, length<=8

| dev4_pwd | The device 4 password, length<=8 |

set_network.cgi

Description: Sets the basic network parameters of the device
Authentication: password verification
Syntax:
/cgi-bin/set_network.cgi?ipp=&mask=&gateway=&dns=&port=&rtsport=&loginuse=&loginpas=
&next_url

Parameters:

ip	IP address
mask	Sub mask
gateway	Gateway
dns1	The first DNS server
dns2	The secondary DNS server
dhcp	DHCP
rtspport	RTSP stream port
port	port

set_rtsp.cgi

Description: Sets the RTSP permissions verification.
Authentication: password verification
Syntax:
/cgi-bin/set_rtsp.cgi?enable=&user=&pwd=&loginuse=&loginpas=&next_url=

Parameters:

enable	Access authentication is enabled
user	RTSP user
pwd	RTSP password

set_wifi.cgi

Description: Set the WIFI device parameters
Authentication: password verification

Syntax:

/set_wifi.cgi?enable=&ssid=&encrypt=&defkey=&key1=&key2=&key3=&key4=
&authtype=&keyformat=&key1_bits=&key2_bits=&key3_bits=&key4_bits=&channel=&m
ode=&wpa_psk=&loginuse=&loginpas=&next_url=

Parameters:

enable	Disable/enable WIFI 0:disable；1:enable
ssid	WIFI SSID,length <= 40
channel	reserved =5
mode	reserved =0
encrypt	0: prohibit encryption; 1: wep encryption; 2: wpa tkip; 3: wpa aes; 4: wpa2 aes; 5: wpa2 tkip + aes
authtype	wep parity mode, 0: open; 1: share
keyformat	wep key format, 0:16 hexadecimal digits; 1: ASCII characters
defkey	wep key:0-3
key1	wep key 1, length <= 30
key2	wep key 2
key3	wep key 3
key4	wep key 4
key1_bits	wep key 1 length,0:64 bits；1:128 bits
key2_bits	wep key 2 length,0:64 bits；1:128 bits
key3_bits	wep key 3 length,0:64 bits；1:128 bits
key4_bits	wep key 4 length,0:64 bits；1:128 bits
wpa_psk	wpa psk key,length <= 64

set_pppoe.cgi

Description: Set the device PPPoE options

Authentication: password verification

Syntax:/set_pppoe.cgi?enable=&user=&pwd=&mail_ip=[&loginuse=&loginpas=&next_url=]
Parameters:

enable	Disable/enable 0:disable；1:enable
user	PPPoE use name,length <= 64
pwd	PPPoE password,length <= 64

set_upnp.cgi

Description: Set options for UPNP devices

Authentication: password verification

Syntax:/set_upnp.cgi?enable=[&loginuse=&loginpas=&next_url=]

Parameters:

enable	Disable/enable 0:disable；1:enable

set_ddns.cgi

Description: Set the device DDNS options

Authentication: password verification

Syntax:

/set_ddns.cgi?service=&user=&pwd=&host=&proxy_svr=&proxy_port=[&restart_dyndns=
&loginuse=&loginpas=&next_url=]

Parameters:

service	0:Disable DDNS
	1:peanut(not support)
	2:DynDns.org(dyndns)
	3:DynDns.org(statdns)
	4:DynDns.org(custom)
	5:Reserved
	6:Reserved
	7:Reserved
	8:3322(dyndns)
	9:3322(statdns)
	10:9299
	11:manufacturer's own
	12:manufacturer's own
user	DDNS user,length <= 64
pwd	DDNS password,length <= 64
host	DDNS domain,length <= 64
proxy_svr	DDNS server,length <= 64
proxy_port	DDNS server port
restart_dyndns	1:update dyndns；0:否

set_ftp.cgi

Description: Set the device ftp options

Authentication: password verification

Syntax:

/set_ftp.cgi?svr=&port=&user=&pwd=&mode=&dir= [&loginuse=&loginpas=&next_url=]

Parameters:

svr	FTP server address,length <= 64
port	FTP server port
user	FTP server user,length <= 64
pwd	FTP server password,length <= 64
dir	FTP server path,length <= 64
mode	0:port mode; 1:pasv mode

set_mail.cgi

Description: Set the device e-mail options

Authentication: password verification

Syntax:

/set_mail.cgi?svr=&user=&pwd=&sender=&receiver1=&receiver2=&receiver3=&receiver4
&ssl=1&=[&loginuse=&loginpas=&next_url=]

Parameters:

svr	Mail server address,length <= 64
sort	Mail server port
user	Mail server user name,length <= 64
ssl	support SSL certificate
pwd	Mail server password,length <= 64
Sender	Mail sender,length <= 64
receiver1	Mail recipient 1,length <= 64
receiver2	Mail recipient 2,length <= 64
receiver3	Mail recipient 3,length <= 64
receiver4	Mail recipient 4,length <= 64
mail_inet_ip	Mail notification IP, 0:disable,1:enable

set_alarm.cgi

Description: Set the device alarm options

Authentication: password verification

Syntax:

/set_alarm.cgi?motion_armed=&motion_sensitivity=&input_armed=&iolinkage=&mail=&upload_interval=&preset=&schedule_enable=&schedule_sun_0=&schedule_sun_1=&schedule_sun_2=&schedule_mon_0=&schedule_mon_1=&schedule_mon_2=&schedule_tue_0=&schedule_tue_1=&schedule_tue_2=&schedule_wed_0=&schedule_wed_1=&schedule_wed_2=&schedule_thu_0=&schedule_thu_1=&schedule_thu_2=&schedule_fri_0=&schedule_fri_1=&schedule_fri_2=&schedule_sat_0=&schedule_sat_1=&schedule_sat_2=[&ioin_level=&ioout_level=&preset=&loginuse=&loginpas=&next_url=]

Parameters:

motion_armed	Disable/enable motion detection
motion_sensitivity	0-9:high-low
input_armed	GPIO input alarm 0:disable；1:enable
ioin_level	GPIO input level,0:low,1:hight
iolinkage	GPIO output linkage 0:disable；1:enable
alarmpresetsit	Call preset position on alarming. 0:disable；others: preset position
ioout_level	GPIO output level. 0:low,1:high
mail	Mail on alarming 0:disable；1:enable
upload_interval	Upload pictures interval on alarming(s). 0:disable,0-65535
schedule_enable	Disable/enable the deployment plan
schedule_sun_0	Deployment plan, by 24 hours a day, hour by 15 minutes divided into 96 deployment periods.
schedule_sun_1	bit0-95: 0: The time is not deployed; 1: The deployment time
schedule_sun_2	
schedule_mon_0	
schedule_mon_1	
schedule_mon_2	
schedule_tue_0	
schedule_tue_1	
schedule_tue_2	
schedule_wed_0	
schedule_wed_1	
schedule_wed_2	
schedule_thu_0	
schedule_thu_1	
schedule_thu_2	
schedule_fri_0	
schedule_fri_1	
schedule_fri_2	
schedule_sat_0	
schedule_sat_1	
schedule_sat_2	

set_misc.cgi

Description: miscellaneous parameters to set the camera

Authentication: password verification

Syntax:

/cgi-bin/set_misc.cgi?[led_mode=&ptz_center_onstart=&ptz_auto_patrol_interval=&ptz_auto_pat rol_type=& ptz_preset =&ptz_run_times=&loginuse=&loginpas=&next_url=]

Parameters:

led_mode:0:mode 1；1:mode 2；2:close the LED

ptz_center_onstart:=1,go to the center after start

ptz_auto_patrol_interval:automatic inspection interval. 0: No automatic inspection

ptz_auto_patrol_type:0: none; 1: level; 2: Vertical; 3: Horizontal + Vertical

ptz_run_times:inspection of laps, 0: infinity

ptz_patrol_rate:PTZ speed manual 0-100, 0: fastest

ptz_patrol_up_rate:automatic cruise speed up from 0 to 100, 0: slowest

ptz_patrol_down_rate:down to cruising speed automatic 0-100, 0: slowest

ptz_patrol_left_rate:Left cruising speed automatic 0-100, 0: slowest

ptz_patrol_right_rate:the right cruising speed automatic 0-100, 0: slowest

disable_preset:Enable presets, 1: disable the preset position

ptz_preset::Enable startup called presets, 0 centered, 1-16 that started calling the corresponding preset. But disable preset position, the boot does not force call the preset position

get_misc.cgi

Description: miscellaneous parameters for the camera
Certification: None
Syntax:/get_misc.cgi
Returns:see set_misc.cgi

ptz_patrol_rate: that the speed

ptz_patrol_up_rate: up speed

ptz_patrol_down_rate: down speed

ptz_patrol_left_rate: left speed

ptz_patrol_right_rate: right speed

ptz_center_onstart: go to center after start..

ptz_disppreset: disable preset position

led_mode: Indicates that the mode lamp lights three modes 0-2

preset_onstart: indicates whether to start preset position, preset bit must be set, ptz_disppreset = 0 case will work. 0 means that starting center, 1-16, respectively, corresponding to the preset position call, if you need to start setting the relevant preset position, if not set, the location may result in inaccurate.

var ptruntimes: cruise turns

wifi_scan.cgi

Description: The search command wireless network camera

Certification: None

Syntax:/ wifi_scan.cgi&next_url= wireless.htm

Parameters:无

get_wifi_scan_result.cgi

Description: Get wireless network camera search results
Certification: None
Syntax:/get_wifi_scan_result.cgi

Return:

```
var ap_bssid=new Array();
var ap_ssid=new Array();
var ap_mode=new Array();
var ap_security=new Array();
ap_bssid[0]='0015ebbe2153';
ap_ssid[0]='ZXDSL531BII-BE2153';
ap_mode[0]=0;
ap_security[0]=0;
ap_bssid[1]='00223f176d70';
ap_ssid[1]='nony';
ap_mode[1]=0;
ap_security[1]=2;
ap_bssid[2]='001d0f3fef40';
ap_ssid[2]='Calvin&Cici';
ap_mode[2]=0;
ap_security[2]=1;
```

```
ap_bssid[3]='0022b0f5ce72';
ap_ssid[3]='CX';
ap_mode[3]=0;
ap_security[3]=1;
ap_bssid[4]='001c1042b6b7';
ap_ssid[4]='ipcamera';
ap_mode[4]=0;
ap_security[4]=2;
```
var ap_number=5;

Among

ap_number:the number of search to the ap

ap_bssid:search for ap bssid

ap_ssid:search for ap ssid

ap_mode:search for ap mode, 0: infra; 1: adhoc (not supported)

ap_security:search for the ap safe mode,

0:none；

1:WEP；

2:WPAPSK(TKIP)；

3:WPAPSK(AES)；

4:WPA2PSK(AES)；

5:WPA2PSK(TKIP)；

get_log.cgi

Description: Get the camera log
Certification: None
Syntax:/get_log.cgi

Returns: the log information, such as:
```
    var log_text='Mon, 2009-08-03 19:53:04    ipcamera
192.168.0.16      access\nMon, 2009-08-03 20:13:03    admin
192.168.0.16      access\n';
```
Which log_text variable for the log information, log information between each use '\n' separated

test_mail.cgi

Description: The mail function testing

Certification: None

Syntax:/test_mail.cgi?next_url=

Return:

result:Test result

0:Success
-1:Failure

test_ftp.cgi

Description: ftp function test
Permissions: Administrator
Syntax:/test_ftp.cgi?next_url=

Return:

result:Test result

0:Success

-1:Failure

set_factory_param.cgi

Description: The factory is not the same, the specific parameters refer to their respective manufacturers, each name may also be different
Authentication: password verification
Syntax:

get_factory_param.cgi

Description: The factory is not the same, please refer to the specific parameters of their respective manufacturers, each name may also be different
Authentication: password verification

set_default.cgi

Description: The current settings are set to factory defaults
Authentication: password verification
Syntax:

    / set_default.cgi?&loginuse=&loginpas=&next_url=

set_media.cgi

Description: Sets the media
Authentication: password verification
Syntax: set media stream

    /set_media.cgi?media_size=&bitrate=&ratemode=&keyframe=&quant=&loginuse=&loginpa
    s=
    media_size:that video resolution, 0: VGA 1: CIF 2: QCIF
    bitrate: the stream bitrate
    media_ratemode:bitrate mode. 0:const bitrate   1:variable bitrate
    keyframe:the key frames, the proposed 50, range 25-200
    quant:image quality, range 2-50, the proposed 30

set_recordsch.cgi

Description: Set the recording program
Authentication: password verification
Syntax: set the video program

    url='/set_recordsch.cgi?
    &record_cover=&extern_enable='&motion_enable=&time_schedule_enable=&schedule_sun
    _0=&schedule_sun_1=&schedule_sun_2=&schedule_mon_0=&schedule_mon_1=&schedule
    _mon_2=&schedule_tue_0=&schedule_tue_1=&schedule_tue_2=&schedule_wed_0=&sche
    dule_wed_1=&schedule_wed_2=&schedule_thu_0=&schedule_thu_1=&schedule_thu_2=&s
    chedule_fri_0=&schedule_fri_1=&schedule_fri_2=&schedule_sat_0=&schedule_sat_1=&sc
    hedule_sat_2=&loginuse=&loginpas=
    record_cover:video coverage
    extern_enable:Alarm recording
    motion_enable:record on motion detection alarming
    time_schedule_enable:Schedule
    schedule_sun_0=&
    schedule_sun_1=&
    schedule_sun_2=&

schedule_mon_0=&
schedule_mon_1=&
schedule_mon_2=&
schedule_tue_0=&
schedule_tue_1=&
schedule_tue_2=&
schedule_wed_0=&
schedule_wed_1=&
schedule_wed_2=&
schedule_thu_0=&
schedule_thu_1=&
schedule_thu_2=&
schedule_fri_0=&
schedule_fri_1=&
schedule_fri_2=&
schedule_sat_0=&
schedule_sat_1=&
schedule_sat_2=

get_record.cgi

Description: Get the video parameters
Certification: None
Syntax: Reference record plan

var enc_media_size:video resolution,0: VGA   1:CIF   2:QCIF
var enc_framerate=25;   frame rate
var enc_keyframe=50;   key frame interval.
var enc_ratemode=0;   0:CBR   1:VBR
var enc_quant=30; video quality
var enc_bitrate=512;   bit rate
var record_sd_status=1;   the status of TF card
var record_cover_enable=0; disable/enable record coverage. 0:disable   1:enable
var record_gpio_enable=0;   disable/enable GPIO input alarm record,   0:disable   1:enable
var record_motion_enable=0; disable/enable record on motion detection alarm. 0:disable
    1:enable
var record_time_enable=0;   disable/enable record on schedule.   0:disable   1:enable.

deployment plans,according to 24 hours a day, hour by 15 minutes divided into 96 deployment
periods.
bit0-95:0:disable；1:enable
var record_schedule_sun_0=0;

var record_schedule_sun_1=0;
var record_schedule_sun_2=0;
var record_schedule_mon_0=0;
var record_schedule_mon_1=0;
var record_schedule_mon_2=0;
var record_schedule_tue_0=0;
var record_schedule_tue_1=0;
var record_schedule_tue_2=0;
var record_schedule_wed_0=0;
var record_schedule_wed_1=0;
var record_schedule_wed_2=0;
var record_schedule_thu_0=0;
var record_schedule_thu_1=0;
var record_schedule_thu_2=0;
var record_schedule_fri_0=0;
var record_schedule_fri_1=0;
var record_schedule_fri_2=0;
var record_schedule_sat_0=0;
var record_schedule_sat_1=0;
var record_schedule_sat_2=0;

get_record_file.cgi

Description: Get the video file name
Certification: None
Syntax: video file name
record_num0:How many video files
record_name0:video file name

set_dns.cgi

Description: Set manufacturers or start their own DNS
Authentication: password verification
Syntax:
```
/set_dns.cgi?loginuse=&loginpas=&enable=&next_url=
```

set_log.cgi

Description: Delete Logs
Authentication: password verification

Syntax:`/set_log.cgi?loginuse=&loginpas=&next_url=`

set_osd.cgi

Description: Set manufacturers or start their own DNS
Authentication: password verification
Syntax:
    `/set_osd.cgi?loginuse=&loginpas=&osdenable=&next_url=`
osdenable:1:enable,0:disable

get_camera_params.cgi

Description: Get the camera parameters
Permissions:
Syntax:
    `/get_camera_params.cgi?`

`var resolution`	`0:640*480 1:320*240 2:160*128`	
`var vbright`	`0-255`	
`var vcontrast`	`0-255`	
`var mode`	`0:50hz 1:60hz 2:out door`	
`var flip`	`0:not flip mirr 1:mirr 2:flip 3:mirr and flip`	
`var framerate`	`25:25fps 12:12fps 6:6fps 3:3fps`	

comm_write.cgi

Description: write data to the serial port
Permissions:
Syntax:
    `/comm_write.cgi?addr=&buad=&byte=&data=&loginuse=&loginpas=&`
`Addr:rs485 address`
`Baud: baud rate`
`1:1200`
`2:2400`
`3:4800`
`4:9600`
`5:19200`
`6:38400`
`7:57600`

8:115200
On writing data, please set buad to 0. otherwise configure buad and address
Get_status.cgi
var rs485addr is address
var rs485baud is baud rate