IPCamera CGI manual

Version

version	author	date
0.1	xwpcom@163.com	12-08-2009

Any suggestions are very much appreciated.

We are always trying to do our best to fulfill the needing of clients!

Introduce

The CGI of this manual apply to MayGion MJPG IPCamera version vs1.8 or later.

The latest software can be downloaded from www.MayGion.com.

All access to CGI needs authorization. If you have login in, you can call CGI directly, otherwise you can pass the user name and password use usr and pwd, take an example: (assume the IP of IPCamera is 192.168.2.100):

http://192.168.2.100/getcfg.cgi?usr=admin&pwd=admin

All CGI commands support this usage.

getcfg.cgi

The getcfg.cgi returns all configuration information of device.

Parameters

none

usage

http://192.168.2.100/getcfg.cgi

output

```
Notice:text in this color is comment.
var devid='09-0700B0';//device id
var devname='ipcam_demo'; //device name
var sw_ver='vs1.7'; //software version
var hw_ver='oem board 1.7(2009.11.05)'; //hardware version

var time='11.27.2009 07:26:02'; //device system time

var video_size='640x480'; //video size,can be 640x480 or 320x240
var light_mode=1; //light mode,0 is 50HZ,1 is 60HZ,2 is out door mode.
var vmirror=0; //vertical mirror,can be 0 or 1
var hmirror=1; //horizontal mirror,can be 0 or 1

var eth0_on=1; //is 1 if wired cabled in inserted,otherwise is 0
var eth0_ip='192.168.2.100'; //wired net ip
var eth0_mask='255.255.255.0'; //wired net mask
var eth0_gateway='192.168.2.123'; //wired net gateway
var dns0='202.96.128.166'; //ddns0
var dns1='202.96.134.133'; //ddns1
var eth0_method=0; //0 is DHCP,1 is static ip

var wifiEnable=1; //1 is enable wifi,0 is disable wifi
var wifi_ip='192.168.1.111'; //wifi IP
var wifi_mask='255.255.255.0'; //wifi mask
var wifi_gateway='192.168.1.1'; //wifi gateway
var wifi_method=0; //0 is DHCP,1 is static ip
var wifiSsid='xwp_TPLINK'; //wifi ssid
var wifiChannel=6; //wifi channel
var wifiSafeType='wpa'; //can be none,wep or wpa
var wifiSafeOption='share';
var wifiKeyType='ascii';
var wifiKeyIndex=0;
var wifiAuth='WPA2-PSK';
var wifiEnc='TKIP';

var ddns_provider='3322dyndns'; //ddns provider type
```

```
var ddns_user='';
var ddns_password='';
var ddns_hostname='';
var ddns_enable=0;

var easyaccess_enable=0;

var upnp_enable=1; //1 for enable upnp,0 is disable upnp

var port='80,80'; //current port and new port(take effort after reboot)

var reverse_connect_enable=0;
var reverse_connect_svr='';
var reverse_connect_port=800;

var md_enable=0; //motion detect config
var md_sensitivity=31;
var md_send_ftp=1;
var md_send_email=1;

var ioalarm_enable=1; // io alarm config
var ioalarm_email=8;
var ioalarm_duration=30;

var email_svr='smtp.qq.com'; // email config
var email_port=25;
var email_usr='';
var email_pwd='';
var email_sender='';
var email_receiver='';
var email_need_auth=0;

var ftp_svr='thomasliqiang.meibu.com'; // ftp config
var ftp_port=21;
var ftp_usr='';
var ftp_pwd='';
var ftp_dir='/ThomasFTP/ipcam';
var ftp_upload_interval=0;

var http_basic_auth=0; // login auth mode
```

snapshot.cgi

The snapshot.cgi get a snapshot from IPCamera.

Parameters

filename: the name of snapshot picture

http://192.168.2.100/snapshot.cgi?usr=admin&pwd=admin

http://192.168.2.100/snapshot.cgi?usr=admin&pwd=admin&filename=test.jpg

cgi.cmd

The cgi.cmd contains many sub function.

cgi.cmd is different form other CGI commands, it is a mute command, it has no any reply.

Parameters

cmd

The command to request,current support the following sub function:

setqvga

Set video size to QVGA(320x240)

http://192.168.2.100/cgi.cmd?cmd=setqvga

setvga

Set video size to VGA(640x480)

http://192.168.2.100/cgi.cmd?cmd=setvga

setvideolight

Set video light mode

http://192.168.2.100/cgi.cmd?cmd=setvideolight&freq=0

http://192.168.2.100/cgi.cmd?cmd=setvideolight&freq=50

http://192.168.2.100/cgi.cmd?cmd=setvideolight&freq=60

mirror

set vertical and horizontal mirror

http://192.168.2.100/cgi.cmd?cmd=mirror&vmirror=1&hmirror=0

vmirror and hmirror can be 0 or 1.

ptz

move ptz

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=left&step=1000

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=right&step=1000

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=up&step=1000

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=down&step=1000

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=hroll

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=vroll

step is the gap to move, can be from 100 to 5000,or bigger.

To avoid explorer cache HTTP command, you may need to change the HTTP command every time, a simple solution is add a count (take nTimes as example):

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=left&step=1000&nTimes=1

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=left&step=1000&nTimes=2

http://192.168.2.100/cgi.cmd?cmd=ptz&dir=left&step=1000&nTimes=3

set_devname.cgi

The set_devname.cgi function set the name of device.

Parameters

devname: the new device name

usage

http://192.168.2.100/set_devname.cgi?devname=ipcam_demo

set_ddns.cgi

The set_devname.cgi function set the dynamic DNS.

Parameters

ddns_enable:0 or 1 to disable/enable ddns

ddns_provider:can be dyndns, 3322dyndns or 3322statdns.

ddns_domain:the ddns name

ddns_usr:ddns user name

ddns_pwd:ddns password

usage

http://192.168.2.100/set_ddns.cgi?ddns_enable=1&ddns_provider=3322dyndns&ddns_domain=xwpcom.3322.org&ddns_usr=xwpcom&ddns_pwd=xxxxxx

http://192.168.2.100/set_ddns.cgi?ddns_enable=0

set_upnp.cgi

The set_upnp.cgi function enable/disable upnp.

Parameters

upnp_enable:0 or 1 to disable/enable upnp.

usage

http://192.168.2.100/set_upnp.cgi?upnp_enable=1

http://192.168.2.100/set_upnp.cgi?upnp_enable=0

set_port.cgi

The set_port.cgi function set the HTTP port. new port will take effect after reboot.

Parameters

port: new HTTP port, range is from 1 to 65535.

usage

http://192.168.2.100/set_port.cgi?port=8080

Notice:

If port is NOT 80,you need append port to IP to access webpages. Take an example:

http://192.168.2.100: 8080

http://192.168.2.100:8080/set_port.cgi?port=80

set_reverse_connect.cgi

The set_reverse_connect.cgi function set the reverse connect configuration.

Parameters

enable:0 or 1.

svr: reverse connect server address,can be IP or DDNS.

port: reverse connect port.

usage

http://192.168.2.100/set_reverse_connect.cgi?enable=1&svr=192.168.2.3&port=8000

http://192.168.2.100/set_reverse_connect.cgi?enable=0

set_alarm.cgi

The set_alarm.cgi function set the alarm configuration.

Parameters

enable:0 or 1 to disable/enable alarm.

email: send email when alarm occurs.

duration: the time to put io port high,unit:second.

usage

http://192.168.2.100/set_alarm.cgi?enable=1&email=0&duration=17

http://192.168.2.100/set_alarm.cgi?enable=0

set_email.cgi

The set_email.cgi function set the email configuration.

Parameters

email_svr:

email_port:

email_usr:

email_pwd:

email_sender:

email_receiver:

email_need_auth:

usage

http://192.168.2.100/set_email.cgi?email_svr=smtp.qq.com&email_port=25&email_usr=maygion.qq.com&email_pwd=xxxxxx&email_sender=maygion.qq.com&email_receiver=maygion.qq.com&email_need_auth=1

http://192.168.2.100/set_email.cgi?email_svr=&email_port=25&email_usr=&email_pwd&email_sender=&email_receiver=&email_need_auth=0

Notice:

The IPCamera do NOT support SSL connection, so you may need to disable the SSL option of your email configuration. (This is provided by the provider of email service).

set_ftp.cgi

The set_ftp.cgi function set the ftp configuration.

Parameters

ftp_svr:

ftp_port:

ftp_usr:

ftp_pwd:

ftp_dir:the directory of uploaded pictures, ftp_dir is absolute path, and must start with "/"

ftp_upload_interval: upload interval,unit:second. Set to 0 to disable schedule upload.

usage

http://192.168.2.100/set_ftp.cgi?ftp_svr=ftp.vimicro.com&ftp_port=21&ftp_usr=maygion&ftp_pwd=xxx&ftp_dir=/ipcam&ftp_upload_interval=60

http://192.168.2.100/set_ftp.cgi?ftp_svr=&ftp_port=&ftp_usr=&ftp_pwd=&ftp_dir=/ipcam&ftp_upload_interval=0

Notice:

The IPCamera support ftp PASV mode.

reboot.cgi

The reboot.cgi function reboots the IPCamera device.

Parameters

none

usage

http://192.168.2.100/reboot.cgi

restore_factory.cgi

The restore_factory.cgi function reset all configuration of the IPCamera device.

The device will reboot automatically if restore_factory.cgi is success.

Parameters

none

usage

http://192.168.2.100/restore_factory.cgi

Notice:

After restore_factory.cgi, the device use DHCP to get dynamic IP address, you may need to run IPCamTool.exe to find the IP of device.

set_authmode.cgi

The set_authmode.cgi function set the login auth mode.

Parameters

mode: set to 0 to use normal login page, set to 1 to use http basic authentication mode.

usage

http://192.168.2.100/set_authmode.cgi?mode=1