

# Dericam 德瑞凱

## MJPEG Series IP Camera CGI SDK1.1

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# Summary

The CGI APIs is based on http protocol.

Different CGI with different Permissions: visitor、operator and Administrator. In this article cgi only support get and post method. upgrade\_firmware.cgi and upgrade\_htmls.cgi only support post method, otherscgi only support get method.

next\_url:an option param. If you don't want only return a simple "OK" when set succeed,you can add a param in the end——next\_url.The param is the next file it jump to when set succeed.The param must be a Relative path.

Get: (Example)

```
<form action="/set_mail.cgi">
<input name="svr">
<input name="user">
<input name="pwd">
<input name="sender">
<input name="receiver1">
<input name="receiver2">
<input name="receiver3">
<input name="receiver4">
<input type=hidden name="next_url" value="index.htm">
<input type=submit value="ok">
</form>
```

Post : (Example)

```
<form action="upgrade_firmware.cgi?next_url=index.htm" method="post"
enctype="multipart/form-data">
<input type="file" name="file" size="20">
</form>
```

## check\_user.cgi

Discription	Obtain the results verify the current user
Permission	visitor
Syntax	/check_user.cgi[?user=&pwd=]
Parameters	user:username pwd:password
return	user: present username pwd: present password pri: present Privilege 1: visitor 2: operator 3: Administrator

## snapshot.cgi

Discription	Obtain the present picture
Permission	visitor
Syntax	/snapshot.cgi[?user=&pwd=&next_url=]
Parameters	user: username pwd: password next_url: the name of snapshot
Note	1 If not use the parameter “next_url”, the snapshot name is: <i>device id(Alias)_ Current time.jpg</i> 2 Use “next_url” (for example:next_url=1 the name of photo:1.jpg)

## videostream.cgi

Discription	Use server push mode to send videostream to Client APP
Permission	visitor
Syntax	/videostream.cgi[?user=&pwd=&resolution=&rate=]
Parameters	user:username pwd:password resolution: resolution rate: frame rate
Note	Resolution: 8: 320*240 32: 640*480 Rate: 0: full speed 1: 20 fps 3: 15 fps 6: 10 fps 11: 5 fps 12: 4 fps 13: 3 fps 14: 2 fps 15: 1 fps 17: 1 fp/2s 19: 1 fp/3s 21: 1 fp/4s 23: 1 fp/5s

## videostream.asf

Discription	Ipcam send videostream of asf format, only support vlc player and mplayer
Permission	visitor
Syntax	/videostream.asf [?user=&pwd=&resolution=&rate=]
Parameters	user:username pwd:password resolution: resolution rate: frame rate
Note	Resolution:    8: 320*240 32: 640*480  Rate:    0: full speed 1: 20 fps 3: 15 fps 6: 10 fps 11: 5 fps 12: 4 fps 13: 3 fps 14: 2 fps 15: 1 fps 17: 1 fp/2s 19: 1 fp/3s 21: 1 fp/4s 23: 1 fp/5s

## get\_status.cgi

description	To obtain the Device status info.
Permission	everyone
Syntax	/get_status.cgi
return	ld: the ip camera's MAC now: The count of seconds form 1970-1-1 0:0:0 to now alarm_status:  0:no alarm 1:motion alarm 2:input alarm ddns_status: DDNS status(details see below) upnp_status: UPNP status(details see below)

## ddns\_status

Return	description
0	No Action
1	It's connecting...
2	Can't connect to the Server
3	Dyndns Succeed
4	DynDns Failed: Dyndns.org Server Error
5	DynDns Failed: Incorrect User or Password
6	DynDns Failed: Need Credited User
7	DynDns Failed: Illegal Host Format
8	DynDns Failed: The Host Does not Exist
9	DynDns Failed: The Host Does not Belong to You
10	DynDns Failed: Too Many or Too Few Hosts
11	DynDns Failed: The Host is Blocked for Abusing
12	DynDns Failed: DynDns server error
13	DynDns Failed: Bad Reply from Server
14	Oray Failed: Bad Reply from Server
15	Oray Failed: Incorrect User or Password
16	Oray Failed: Incorrect Hostname
17	Oray Succeed
18~28	Reserved
29	3322 Succeed
30	3322 Failed: 3322 system Error
31	3322 Failed: Incorrect User or Password
32	3322 Failed: Need Credited User
33	3322 Failed: Illegal Host Format
34	3322 Failed: The Host Does not Exist
35	3322 Failed: The Host Does not Belong to You
36	3322 Failed: Too Many or Too Few Hosts
37	3322 Failed: The Host is Blocked for Abusing
38	3322 Failed: 3322 server error
39	3322 Failed: Bad Reply from Server
40~42	Reserved

## upnp\_status

Return	description
0	No Action
1	Succeed
2	Device System Error
3	Errors in Network Communication
4	Errors in Chat with UPnP Device
5	Rejected by UPnP Device, Maybe Port Conflict

## get\_camera\_params.cgi

description	obtain camera params
Permission	visitor
Syntax	/get_camera_params.cgi[?user=&pwd=]
Parameters	user: username pwd: password
Note	Return: Resolution: 8: 320*240 32: 640*480 Brightness: 0-255 Contrast: 0-6 Mode: 0: 50hz 1: 60hz 2 outdoor format Flip: 0: initial 1: vertical rotate 2: horizontal rotate 3: vertical + horizontal rotate

## decoder\_control.cgi

description	Decoder control	
Permission	operator	
Syntax	/decoder_control.cgi?command=[&onestep=&user=&pwd=&next_url=]	
Parameters	user: username pwd: password next_url: The param is the next file it jump to when set succeed	
Parameters	value	description
	0	up
	1	Stop up
	2	down
	3	Stop down
	4	left
	5	Stop left
	6	right
	7	Stop right
	...	Reserved
	25	center
	26	Vertical patrol
	27	Stop vertical patrol
28	Horizon patrol	

	29	Stop horizon patrol
	...	Reserved
	90	Top left
	91	Top right
	92	Lower left
	93	Lower right
	94	IO output high
	95	IO output low

## camera\_control.cgi

description	To control camera sensor Parameters		
Permission	operator		
Syntax	/camera_control.cgi?param=&value=[&next_url=]		
Parameters	User: username		
	Pwd: password		
	Param: parameter's style value (see below)		
	<b>param</b>	<b>value</b>	
	0 Resolution	8: 320*240 32:640*480	
	1 Brightness	0~255	
	2 Contrast	0~6	
3 mode	0: 50Hz 1: 60Hz 2: Outdoor		
	5 Flip&mirror	0: default 1: flip 2: mirror 3: flip + mirror	

## reboot.cgi

description	Reboot device
Permission	Administrator
Syntax	/reboot.cgi[?user=&pwd=&next_url=]
Parameters	user: username pwd: password next_url: The param is the next file it jump to when set succeed

## restore\_factory.cgi

description	Restore factory settings
Permission	Administrator
Syntax	/restore_factory.cgi[?user=&pwd=&next_url=]
Parameters	user: username pwd: password next_url: The param is the next file it jump to when set succeed

## get\_params.cgi

description	To obtain the device settings info.	
Permission	Administrator	
Syntax	/get_params.cgi[?user=&pwd=]	
<b>Return</b>	id	Device ID
	sys_ver	Firmware version number
	app_ver	Web UI version number
	alias	alias
	now	The count of seconds form 1970-1-1 0:0:0 to now
	tz	The current time zone settings contrast with the standard time zone GMT (Unit: Seconds)
	ntp_enable	0:disable ntp Calibration time 1:enable
	ntp_svr	Ntp Server
	user1_name	User1 name
	user1_pwd	User1 password
	user1_pri	User1 permission
	...	...
	user8_name	User8 name
	user8_pwd	User8 password
	user8_pri	User8 permission
	dev2_alias	The 2nd Device alias
	dev2_host	The 2nd Device host(IP or Domain name)
	dev2_port	The 2nd Device port
	dev2_user	The 2nd Device user name
	dev2_pwd	The 2nd Device password
...	...	
dev9_alias	The 9th Device alias	
dev9_host	The 9th Device host(IP or Domain name)	



dev9_port	The 9th Device port
dev9_user	The 9th Device user name
dev9_pwd	The 9th Device password
ip	IP address
mask	mask
gateway	gateway
dns	Dns server
port	port
wifi_enable	0:disable 1:enable
wifi_ssid	WIFI SSID
wifi_encrypt	0:disable 1:web 2:wpa tkip 3:wpa aes 4:wpa2 aes 5:wpa2 tkip+aes
wifi_defkey	Wep Default TX Key
wifi_key1	Key1
wifi_key2	Key2
wifi_key3	Key3
wifi_key4	Key4
wifi_authtype	Authetication type 0:open 1:share
wifi_keyformat	Keyformat 0:Hex 1:ASCII
wifi_key1_bits	0:64 bits 1:128 bits
wifi_key2_bits	0:64 bits 1:128 bits
wifi_key3_bits	0:64 bits 1:128 bits
wifi_key4_bits	0:64 bits 1:128 bits
wifi_channel	Channel (default 5)
wifi_mode	Mode (default 0)
wifi_wpa_psk	wpa_psk
pppoe_enable	0:disable 1:enable
pppoe_user	pppoe user
pppoe_pwd	pppoe password
upnp_enable	0:disable 1:enable
ddns_service	0:disable DDNS 1:oray.cn 2:Dyndns.org(dyndns)

	3:Dyndns.org(standard) 4:Dyndns.org(custom) 5: Reserved 6: Reserved 7: Reserved 8:3322.org(dyndns) 9:3322.org(standard)
ddns_user	Ddns user
ddns_pwd	Ddns password
ddns_host	Ddns host
ddns_proxy_svr	Proxy server (only used in china )
ddns_proxy_port	Proxy port
mail_svr	Mailbox server
mail_port	Mailbox server port
mail_user	Mail user name
mail_pwd	Mail password
mail_sender	The sender mailbox
mail_receiver1	The receiver1 mailbox
mail_receiver2	The receiver2 mailbox
mail_receiver3	The receiver3 mailbox
mail_receiver4	The receiver4 mailbox
mail_inet_ip	Mail send internet IP 0:disable 1:enable
ftp_svr	FTP server
ftp_port	FTP server port
ftp_user	User name
ftp_pwd	password
ftp_dir	catalogue
ftp_mode	0:post 1:pasv
ftp_upload_interval	Upload interval (Seconds) 0:disable
alarm_motion_armed	0:motion disable 1:enable
alarm_motion_sensitivity	Sensitivity 0:high 1:medium 2:low 3:ultra low
alarm_input_armed	0:input detect disable 1:enable
alarm_iolinkage	0:when alarm disable IO linkage 1:enable
alarm_mail	0:when alarm disable mail send 1:enable
alarm_upload_interval	Upload interval (Seconds) 0:disable
alarm_http	0: disable 1: enable
alarm_http_url	http url when alarm

	decoder_baud	Decoder baud rate	
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## upgrade\_firmware.cgi

description	Upgrade firmware
Permission	Administrator
Syntax	/upgrade_firmware.cgi[?user=&pwd=&next_url=]
Parameters	user: username pwd: password next_url: The param is the next file it jump to when set succeed
Note	Must use POST method.

## upgrade\_htmls.cgi

description	Upgrade Web UI firmware
Permission	Administrator
Syntax	/upgrade_htmls.cgi[?user=&pwd=&next_url=]
Parameters	user: username pwd: password next_url: The param is the next file it jump to when set succeed
Note	Must use POST method.

## set\_alias.cgi

description	Set device alias
Permission	Administrator
Syntax	/set_alias.cgi?alias=[&user=&pwd=&next_url=]
Parameters	Alias:length <=20 user: username pwd: password next_url: The param is the next file it jump to when set succeed

## set\_datetime.cgi

description	Set device data time
Permission	Administrator
Syntax	/set_datetime.cgi?tz=&ntp_enable=&ntp_svr=[&user=&pwd=&now=&next_url=]

Parameters	<p>now: The count of seconds form 1970-1-1 0:0:0 to now;if use, the device will calibration time depend on it.</p> <p>tz:set time zone. The current time zone settings contrast with the standard time zone GMT (Unit: Seconds)</p> <p>ntp_enable:0:disable 1:enable</p> <p>ntp_svr:ntp server length &lt;= 64</p> <p>user: username</p> <p>pwd: password</p> <p>next_url: The param is the next file it jump to when set succeed</p>
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## set\_users.cgi

description	Set device user settings
Permission	Administrator
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=&user8=&pwd8=&pri8=[&next_url=]
Parameters	<p>user1: user1 name length &lt;= 12</p> <p>pwd1: user1 password length &lt;= 12</p> <p>pri1: user1 Permission 0:visitor 1:operator 2: administrator</p> <p>...</p> <p>user8: user1 name length &lt;= 12</p> <p>pwd8: user1 password length &lt;= 12</p> <p>pri8: user1 Permission 0:visitor 1:operator 2: administrator</p>

## set\_devices.cgi

description	Set muilt device
Permission	Administrator
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_port=&dev4_user=&dev4_pwd=&dev5_alias=&dev5_host=&dev5_port=&dev5_user=&dev5_pwd=&dev6_alias=&dev6_host=&dev6_port=&dev6_user=&dev6_pwd=&dev7_alias=&dev7_host=&dev7_port=&dev7_user=&dev7_pwd=&dev8_alias=&dev8_host=&dev8_port=&dev8_user=&dev8_pwd=&dev9_alias=&dev9_host=&dev9_port=&dev9_user=&dev9_pwd=[&user=&pwd=&next_url=]
Parameters	<p>dev2_alias:The 2nd Device alias</p> <p>dev2_host:The 2nd Device host(IP or Domain name)</p> <p>dev2_port:The 2nd Device port</p>

dev2_user:The 2nd Device user name dev2_pwd:The 2nd Device password ... .. dev9_alias:The 9th Device alias dev9_host:The 9th Device host(IP or Domain name) dev9_port:The 9th Device port dev9_user:The 9th Device user name dev9_pwd:The 9th Device password
--

## set\_network.cgi

description	Set device basic net settings
Permission	Administrator
Syntax	/set_network.cgi?ip=&mask=&gateway=&dns=&port=[&user=&pwd=&next_url=]
Parameters	Ip:ip address; if ip set null,The device will DHCP Ip mask: mask gateway: gateway dns: dns server port: port number

## set\_wifi.cgi

description	Set device wireless settings (wifi)
Permission	Administrator
Syntax	/set_wifi.cgi?enable=&ssid=&encrypt=&defkey=&key1=&key2=&key3=&key4=&authtype=&keyformat=&key1_bits=&key2_bits=&key3_bits=&key4_bits=&channel=&mode=&wpa_psk=[&user=&pwd=&next_url=]
Parameters	enable: 0:disable 1:enable ssid: wifi SSID length<=40 encrypt: 0:disable encrypt 1:web 2:wpa tkip 3:wpa aes 4:wpa2 aes 5:wpa2 tkip+aes defkey: 0~3(web encrypt) key1:wep key1 ... key4:wep key4 authtype: Authetication type 0:open 1:share keyformat: Keyformat 0:Hex

	<p>1:ASCII</p> <p>key1_bits: 0:64 bits 1:128 bits</p> <p>...</p> <p>key4_bits: 0:64 bits 1:128 bits</p> <p>channel: Channel (default 5)</p> <p>mode: Mode (default 0)</p> <p>wpa_psk: wpa_psk length &lt;= 64;if not use,set null.</p>
--	--

## set\_pppoe.cgi

description	Set device pppoe settings
Permission	Administrator
Syntax	/set_pppoe.cgi?enable=&user=&pwd=[&cam_user=&cam_pwd=&next_url=]
Parameters	<p>enable: 0:disable pppoe 1:enable</p> <p>user: pppoe's name length &lt;=64</p> <p>pwd: pppoe's password length &lt;=64</p> <p>cam_user: user name</p> <p>cam_pwd: user password</p>

## set\_upnp.cgi

description	Set UPNP settings
Permission	Administrator
Syntax	/set_upnp.cgi?enable=[&user=&pwd=&next_url=]
Parameters	<p>enable: 0:disable UPNP 1:enable</p>

## set\_ddns.cgi

description	Set device DDNS settings
Permission	Administrator
Syntax	/set_ddns.cgi?service=&user=&pwd=&host=&proxy_svr=&proxy_port=[&restart_dyndns=&cam_user=&cam_pwd=&next_url=]
Parameters	<p>service :</p> <p>0:disable DDNS;</p> <p>1:oray.cn;</p> <p>2: DynDns.org(dyndns);</p> <p>3: DynDns.org(statdns);</p>

	<p>4: DynDns.org(custom)                      5: Reserved                      6: Reserved                      7: Reserved                      8:3322.org(dyndns)                      9:3322.org(statdns)</p> <p>user: name when login DDNS server length &lt;=64                      pwd: password when login DDNS server length &lt;=64                      host:DDNS domain name length &lt;=64                      proxy_svr: Proxy server length &lt;=64 (only used in china Mainland or HongKong )                      proxy_port : Proxy port                      cam_user: user name                      cam_pwd: password                      restart_dyndns:                          1: restart the dyndns server                          2: no</p>
--	---

## set\_ftp.cgi

description	Set device FTP settings
Permission	Administrator
Syntax	/set_ftp.cgi?svr=&port=&user=&pwd=&mode=&dir=&upload_interval=[&filename=&numberoffiles=&cam_user=&cam_pwd=&next_url=]
Parameters	<p>svr: FTP server length &lt;=64                      port: FTP server port                      cam_user: User name                      cam_pwd: password                      user: name when logined ftp server                      pwd: password when logined ftp server                      dir: FTP upload catalogue                      mode: 0:post                          1:pasv                      upload_interval: Upload interval (Seconds) 0:disable (range:0-65535)                      filename: file name when upload                      numberoffiles: file Quantity when upload</p>

## set\_mail.cgi

description	Set device mail settings
Permission	Administrator
Syntax	/set_mail.cgi?svr=&port=&user=&pwd=&sender=&receiver1=&receiver

	2=&receiver3=&receiver4=&mail_inet_ip=[&cam_user=&cam_pwd=&next_url=]
Parameters	svr: mail server length <=64 port: Mailbox server port cam_user: User name length <=64 cam_pwd: password length <=64 user: mail's name length <=64 pwd: mail's password length <=64 sender: The sender mailbox length <=64 receiver1: The receiver1 mailbox length <=64 receiver2: The receiver2 mailbox length <=64 receiver3: The receiver3 mailbox length <=64 receiver4: The receiver4 mailbox length <=64 mail_inet_ip: 0:disable 1:enable

## set\_alarm.cgi

description	Set device alarm settings
Permission	Administrator
Syntax	/set_alarm.cgi?motion_armed=&motion_sensitivity=&input_armed=&iolinkage=&mail=&upload_interval=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=&http=&http_url=[&ioin_level=&iout_level=&user=&pwd=&next_url=]
Parameters	motion_armed: 0:motion disable 1:enable motion_sensitivity: Sensitivity 0:high 1:medium 2:low 3:ultra low input_armed: 0:input detect disable 1:enable iolinkage: 0:when alarm disable IO linkage 1:enable mail: 0:when alarm disable mail send 1:enable upload_interval: Upload interval (Seconds) 0:disable (range:0-65535) ioin_level: IO input alarm trigger level, 0: low, 1: High iout_level: IO linkage output level, 0: low, 1: High schedule_enable: Whether to adopt the plan alarm http:0: when alarm disable browsen web, 1: enable http_url: http url when alarm schedule_sun_0、 schedule_sun_1、 schedule_sun_2: Sunday plan. 24hours/day. Divided 24hours to 96 time district, each district for 15 munites. Bit0-95: 0: not forbid, 1: forbid



## Comm\_write.cgi

description	Sending data through camera serial port. Only support few model
Permission	Operator
Syntax	/comm_write.cgi?port=&baud=&bytes=&data=[&user=&pwd=&next_url=]
Parameters	Port: 0-3 Baud: 9: B1200 11: B2400 12: B4800 13: B9600 14: B19200 15: B38400 4097: B57600 4098: B115200 Bytes: < 256 Data: use url code

## Set\_forbidden.cgi

description	Setting the forbidden for checking video/audio	
Permission	administrator	
Syntax	/set_forbidden.cgi?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=[&user=&pwd=&next_url=]	
Parameters	Schedule_enable	Plan to forbidding for audio/video
	Schedule_sun_0	Sunday plan. 24hours/day.
	Schedule_sun_1	Divided 24hours to 96 time district, each district for 15 munites. Bit0-95: 0: not forbid, 1: forbid
	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\_forbidden.cgi

description	Access the forbidding for checking audio/video
Permission	Administrator
Syntax	/get_forbidden.cgi[?user=&pwd=]
return	See set_forbidden.cgi

## Set\_misc.cgi

description	Set rotational Parameters of camera
Permission	Administrator
Syntax	/set_misc.cgi? [led_mode=&ptz_center_onstart=&ptz_auto_patrol_interval=&ptz_auto_patrol_type=&ptz_patrol_h_rounds=&ptz_patrol_v_rounds=&user=&pwd=&n_ext_url=]
Parameters	<p>Led_mode: 0:mode1           1:model2           2:shut off the led</p> <p>Ptz_center_onstart: =1</p> <p>Ptz_auto_patrol_interval,                =0: no auto rotating</p> <p>Ptz_auto_patrol_type:     0:no rotate                               1:horizontal                               2: vertical                               3: horizontal + vertical</p> <p>Ptz_patrol_h_round:            0: Infinite</p> <p>Ptz_patrol_v_round:            0: Infinite</p> <p>Ptz_patrol_rate:                0-100,    0: the fastest</p> <p>Ptz_patrol_up_rate:            0-100,    0: the slowest</p> <p>Ptz_patrol down_rate         0-100,    0: the slowest</p> <p>Ptz_patrol left_rate:         0-100,    0: the slowest</p> <p>Ptz_patrol right_rate:        0-100,    0: the slowest</p>

## get\_misc.cgi

description	Obtain rotational Parameters of camera
Permission	Administrator
Syntax	/get_misc.cgi?[user=&pwd=]
Parameters	See get_misc.cgi

## set\_decoder.cgi

description	Set the parameter for decoder
Permission	Administrator
Syntax	/set_decoder.cgi?baud=[&user=&pwd=&next_url=]
Parameters	Baud: 9: B1200 11: B2400 12: B4800 13: B9600 14: B19200 15: B38400 4097: B57600 4098: B115200

## wifi\_scan.cgi

description	Camera search wireless network
Permission	Administrator
Syntax	/wifi_scan.cgi[?user=&pwd=&next_url=]

## get\_wifi\_scan\_result.cgi

description	obtain the result that searching wireless network
Permission	Administrator
Syntax	/get_wifi_scan_result.cgi[?user=&pwd=]
return	Example: <pre> 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';                     </pre>

	<pre> 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&amp;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; </pre> <p>ap_number: the number of wireless network  ap_bssid: Router's MAC  ap_ssid: wireless ssid  ap_mode: 0: infra; 1: adhoc (nonsupport)  ap_security: <b>encrypt</b></p> <ul style="list-style-type: none"> <li>0: no</li> <li>1: web</li> <li>2: WPAPSK(TKIP)</li> <li>3: WPAPSK(AES)</li> <li>4: WPA2PSK(AES)</li> <li>5: WPA2PSK(TKIP)</li> <li>6: disable encrypt</li> </ul>
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## get\_log.cgi

description	obtain the camera log
Permission	Administrator
Syntax	/get_log.cgi[?user=&pwd=]
return	<p>Example:</p> <pre> 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'; </pre>
note	Notes distinguish by '\n'

## test\_mail.cgi

description	The result that mail tested.
Permission	Administrator
Syntax	/test_mail.cgi[?user=&pwd=]
return	Result: 0: success -1: unable to connect to the server -2: network error -3: server error -4: user error -5: password error -6: refuse the permits -7: refuse the receiver -8: refuse the text -9: Unable to accept authentication

## test\_ftp.cgi

description	The result that ftp tested.
Permission	Administrator
Syntax	/test_ftp.cgi[?user=&pwd=]
return	Result: 0: success -1: unable to connect to the server -2: network error -3: server error -4: user error -5: password error -6: save path error -7: pasv error -8: port error -9: stor error

## backup\_params.cgi

description	Backup setted parameters
Permission	Administrator
Syntax	/ backup_params.cgi[?user=&pwd=]
return	params.bin : parameter's file

## restore\_params.cgi

description	restore parameters
Permission	Administrator
Syntax	/ restore_params.cgi[?user=&pwd=next_url=]
note	Must use POST method. pack the parameter's file send to ip camera.

## set\_mac.cgi

description	restore parameters
Permission	Administrator
Syntax	/ set_mac.cgi?mac=[&user=&pwd=&next_url=]
Parameters	Mac: mac address

## set\_mac.cgi

description	restore parameters
Permission	Administrator
Syntax	/ set_mac.cgi?mac=[&user=&pwd=&next_url=]
Parameters	Mac: mac address