

H.264 IP Camera CGI User Manual

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Version management

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cgi intro

The cgi is an interface based on the HTTP protocol provided by h264 IP camera. Client program (Can be a web page run on the web browser or other applications) can operate devices through the cgi .

cgi permission

Four cgi permission grades: non, visitor, operator, administrator. Users can visit only its grade higher or equal to the required grade, the required grade is set by the device users.

cgi user authentication

Users have to pass cgi user authentication and have enough permission for successful visiting. The cgi parameter includes user name and password, eg: /cgi-bin/*.cgi?user=&pwd=[...]

calling cgi

We can use “get” and “post” to call cgi, in this paper we can use three “post” methods: upgrade_firmware.cgi, upgrade_webui.cgi, restore_params.cgi. Others is “get” method.

“get” eg.

```
<form action="/cgi-bin/set_audio.cgi">
<input name="chan_num">
<input name="sample_rate">
<input name="user">
<input name="pwd">
<input type="hidden" name="next_url" value="index.htm">
<input type="submit" value="ok">
</form>
```

“post” eg.

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

cgi return

There are two cgi return values. One is prompt that tip a operation is successful or not, another is var form variable which used for returning device parameters.

1. get_status.cgi

Function: get status information

Permission: non

Syntax: /cgi-bin/get_status.cgi

Parameter: non

Return value :

ret_video_port	Video date port
ret_rtsp_port	RTSP port
ret_alias_name	Device alias
ret_prot_mode	product model
ret_client_version	WEB UI client version
ret_server_version	device system current firmware revision
ret_mvideo_w	master channel video width
ret_mvideo_h	master channel video height
ret_lamp_status	Indicator state 0 : Blink when network connected; Off when not connection 1 : Blink when network connected; Slow blink when no connection 2 : Always off
ret_scene_mtype	Lens Lord type 0: CCD 1:CMOS
ret_scene_stype	Lens subtype

2. get_real_status.cgi

Function: get real status information

Permission: non

Syntax: /cgi-bin/get_real_status.cgi

Parameter: non

Return value:

ret_realstatus_result	Return getting real status result 1:success 0:failed
ret_realstatus_upnp	Return UPNP result 1:success 0:failed
ret_realstatus_ddns	Return DDNS status 1:success 0:failed
ret_realstatus_ddnsaddr	Return DDNS address
ret_realstatus_time	Return current device time

ret_realstatus_ipaddr	Return device IP address
ret_realstatus_videoW	Currently browsing video width
ret_realstatus_videoH	Currently browsing video height

3. check_user.cgi

Function: check user information

Permission: visitor

Syntax: /cgi-bin/check_user.cgi?user=&pwd=

Parameter: user: user name

Pwd: passwod

Return value:

ret_check_user	Return checking user information result 0 : success 1: Open configuration file failed 2 : failed 3 : parameter error
ret_user_right	Return user permission -1 : no permission 0 : supper administrator 1 : administrator 2 : oprator 3 : visitor

4. video_snapshot.cgi

function : snapshot video picture

permission : visitor

syntax : /cgi-bin/video_snapshot.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

next_url : picture named by default if blank

(video_snapshot_year_month_day_hour_miniter_second.jpg),or next_url designated name.

note : the snapshot picture size is equal to the video resolution

5. mobile_snapshot.cgi

function : snapshot by mobile

permission : visitor

syntax : /cgi-bin/mobile_snapshot.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

next_url: picture named by default if blank
(video_snapshot_year_month_day_hour_miniter_second.jpg),or next_url designated name.

note : mobile snapshot picture size is 320*240 or smaller

6. get_camera_vars.cgi

function : get IP camera parametersetting

permission : visitor

syntax : /cgi-bin/get_camera_vars.cgi?user=&pwd=

parameter :

user : user name

pwd : password

return value:

OSDTimer	OSD display: 0 : forbid 1 : black 2 : red 3 : green 4 : blue 5 : purple 6 : gray 7 : sliver 8 : yellow 9 : olive 10 : greenish blue 11 : white 12 : light blue
brightness	brightness(0-255) default 128
contrast	contrast(0-255) default 32
hue	Chroma(-128-127) default 0
saturation	saturation 1(0-200) default 64
ptzspeed	Ptz speed (0-100) default 60
mirror	0:normal 1: mirror image
flip	0:normal 1:inversion
aec_value	power frequency 1:50Hz 2:60Hz 3: Outdoor mode

7. set_camera_vars.cgi

function : set IP camera parameter

permission : oprator

syntax : /cgi-bin/set_camera_vars.cgi?type=&value=&user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

type : set parameter type

value : set parameter value

type	value
1	Set up OSD display 0 : forbid 1 : black 2 : red 3 : green 4 : blue 5 : purple 6 : gray 7 : sliver 8 : yellow 9 : olive 10 : greenish blue 11 : white 12 : light blue
2	Set brightness(-128-127) default0x00
3	Set contrast(0-255) default0x5c
4	Set chroma(-128-127) default0
5	Set saturation1(0-200) default80
6	Set ptz speed (0-100) default60
7	Mirror image 0:no 1:yes
8	Reverse 0:no 1:yes
9	Power frequency 1:50Hz 2:60Hz 3:outdoor

8. decoder_control.cgi

function : decoder control

permission : oprator

syntax : /cgi-bin/decoder_control.cgi?type=&cmd=&user=&pwd=[&next_url=]

parameter :

user : user name
 pwd : password
 type : control type (0:ordinary PTZ operating 1:set preset position 2: call preset position
 3:relay operating)
 cmd : control order

type=0 (ordinary PTZ operating cmd: 0-18)	
cmd	Order type description
0	Up
1	Down
2	Left
3	Right
4	Short focal distance
5	Long focal distance
6	short Optical zoom
7	long Optical zoom
8	open aperture
9	close aperture
10	Stop
11	Auto open
12	Auto close
13	Upleft
14	Downleft
15	Upright
16	Downright
17	Level rotation
18	Vertical rotation
19	Stop level rotation
20	Stop vertical rotation
type=1 (set preset position)	
cmd	Set preset position number 0-31
type=2 (call preset position)	
cmd	Call preset position number 0-31
type=3(relay operating)	
cmd	Relay 0:close 1:open

9. get_params.cgi

function : get device parameter
 permission : administrator
 syntax : /cgi-bin/get_params.cgi?type=&user=&pwd=
 parameter :

user : user name

pwd : password

type : get device parameter type, range (0--12)

type	Parameter type description
0	get all device information
1	get user parameter
2	get alarm parameter
3	get audio parameter
4	get device status parameter
5	get FTP parameter
6	get multi devices parameter
7	get basic network parameter
8	get wireless network parameter
9	get NTP parameter
10	get PTZ parameter
11	get SMTP parameter
12	get video parameter
13	get factory DDNSparameter
14	get SD card record parameter

return value:

/cgi-bin/get_params?type=0&user=&pwd= (get all parameter, Variable intro details in the next)	
/cgi-bin/get_params?type=1&user=&pwd= (get user parameter)	
user_name0	user1 name
user_pwd0	user1 password
user_right0	user1 permission
.	
.	
.	
user_name9	user10 name
user_pwd9	user10 password
user_right9	user10 permission

/cgi-bin/get_params.cgi?type=2&user=&pwd= (get alarm parameter)	
sen_alarm_onoff	Alarm output 1:no 0:yes
sen1_off	External alarm input 1 1:no 0:yes
sen1_mod	Input model 1 0 : NO, 1:NC
sen2_off	External alarm input 2 1:no 0:yes
sen2_mod	Input model 2 0 : NO, 1:NC
sdloss_onoff	SD card lost alarm 1:no 0:yes
stimeout	External alarm last time

	0: always 1: 5s 2: 10s 3: 15s 4: 30s 5: 60s
sdrec_enable	External alarm SD card record 1:yes 0:no
mail_enable	External alarm mail 1:yes 0:no
ftp_enable	External alarm FTP upload 1:yes 0:no
alarmout_enable	External alarm output 1:yes 0:no
motion_Enable	Motion detect 1:yes 0:no
byMotionSensitive	Sensitivity 1-5 low middle high higher
start_x	Start coordinate x
start_y	Start coordinate y
end_x	end coordinate x
end_y	end coordinate y
mtimeout	Motion detect alarm last time 0: always 1: 5s 2: 10s 3: 15s 4: 30s 5: 60s
msdrec_enable	Motion detect alarm SD record1:yes 0:no
mmail_enable	Motion detect alarm mail1:yes 0:no
mftp_enable	Motion detect alarm FTP upload 1:yes 0:no
malarmout_enable	Motion detect alarm output 1:yes 0:no

/cgi-bin/get_params.cgi?type=3&user=&pwd= (get audio parameter)	
ChanNum	1:(inner mic), 2:(out mic)
SampleRate	sample rate: 1(16k), 2(24k), 3(32k), 4(48k)

/cgi-bin/get_params.cgi?type=4&user=&pwd= (get device status parameter)	
sSerialNumber	serial number
serverName	Host name
camDesc	IP camera description
softwareFVersion	Host softwareVersion
softwareCVersion	Client softwareVersion
serverIP	IP address (not use)

/cgi-bin/get_params.cgi?type=5&user=&pwd= (get FTP parameter)	
enable_ftp	Open FTP or not 1:yes 0:no
ftp_serv	Ftp serve
ftp_port	Ftp port
ftp_user	ftpuser name
ftp_pwd	ftppassword
ftp_dir	Userload
ftp_mode	Transfer Model 0:PORT 1:PASV

/cgi-bin/get_params.cgi?type=6&user=&pwd= (get multi device information parameter)	
wnd_enable0	The second device 0:no 1:yes
wnd_num0	The second device window number 1
ipcam_host0	The second device ip or domain
web_port0	The second device web port
data_port0	The second device date port
ipcam_user0	The second device user name
ipcam_pwd0	The second device password
	.
	.
	.
wnd_enable7	The ninth device 0:no 1:yes
wnd_num7	The ninth device window number 8
ipcam_host7	The ninth device ip or domain
web_port7	The ninth device web port
data_port7	The ninth device date port
ipcam_user7	The ninth device user name
ipcam_pwd7	The ninth device password

/cgi-bin/get_params.cgi?type=7&user=&pwd= (get basic network parameter)	
conn_mod	0- static address 1-DHCP 2-pppoe
ipcamIP	ipcam IP address
ipcamIPMask	ipcam IP address mask
ipcamGatewayIP	Gateway address
dns0	Main DNS address
dns1	Spare DNS address
dwPPPOE	PPPoE 0-no,1-yes
sPPPoEUser	PPPoEuser name
sPPPoEPassword	PPPoEpassword
sPPPoEIP	PPPoE IP address(read only)
web_port	Web port

video_port	Media date port、
mobi_port	Mobile phone port
ddns_enable	DDNS 0-no 1-yes
Ddnsaddress	Ddns host name
ddnsUser	ddnsuser name
ddnsPassword	ddnspassword
ddns_service	Ddns serve type 0-aipcam 1-3322 2-dyndns
UpnP	UPNP status 1:yes 0:no
rtsp_port	RTSP port

/cgi-bin/get_params.cgi?type=8&user=&pwd= (get wireless network parameter)	
NetStat	Wifi status 0:no 1:yes
NetType	Network type 0:Infra 1:Adhoc
EncType	Security model 0:NONE 1:WEP 2:TKIP 3:AES
AuthMode	Authentication model 0:OPEN 1:SHARED 2:WPAPSK 3:WPA2PSK
KeyId	Default keys ID number (1,2,3,4)
Ssid	ssid
Pass	password

/cgi-bin/get_params.cgi?type=9&user=&pwd= (get NTPparameter)	
Mod	Model 1-ntp 2-pc or manul
Server	NTP Server
TimeZone	1~25:(GMT-12)~GMT~(GMT+12)

/cgi-bin/get_params.cgi?type=10&user=&pwd= (get PTZparameter)	
Baudrate	Baud rate 0-1200 1-2400 2-4800 3-9600 4-19200
device_id	Address
Protocol	Protocal 0-PELCO_D 1-PELCO_P 2-PTZDSCP 3-LILIN 4-MINKING

Rletright	Lift and right 0:no 1:yes
Rupdown	Up and down 0:no 1:yes

/cgi-bin/get_params.cgi?type=11&user=&pwd= (get SMTP parameter)	
enable_email	Use email 0:no 1:yes
from_name	Sender name
from_addr	Outbox
to_num	Inbox number
to_addr1	Inbox 1
to_addr2	Inbox 2
to_addr3	Inbox 3
smtp_serv	Smtp server
smtp_port	Smtp port
enable_auth	Check or not. 1:yes 0:no
smtp_user	user name
smtp_pwd	password
Sslenable	Whether use ssl for secure logon. 1:yes 0:no

/cgi-bin/get_params.cgi?type=12&user=&pwd= (get video parameter)	
ret_videovars_result	Return getting result 1: success 0: failed
scene_mtype	Lens lordtype 0:CCD 1:CMOS
scene_stype	lens subtype
def_bs	Initial stream 0: Lordcoad stream 1: subcoad stream
Standard	CCD system PAL=1, NTSC=0
m_resolution	Lordcoad stream resolution D1 = 0 CIF = 1; VGA = 2 QVGA = 3; WXGA=4(1280*720) QWXGA=5(640*368); UXGA=6(1600*1200) QUXGA=7(800*600); SXGA=8(1280*1024) QSXGA=9(640*512); QQWXGA=10(320*208)

m_framerate	Lordcoad stream frame rate 1-30 MAX: PAL 25 NTSC 30 (0:auto) cmos 1-30.
m_bitrate	Lordcoad stream bit rate (0--7) (128K, 256K, 384K, 512K, 768K, 1M, 2M, 4M)
m_u32Quant	Lordcoad stream picture quality 1-8 1: worse 2: normal 3: middle 4: not bad 5: standard 6: good 7: better 8: best
m_QualityMethod_H264	Lordcoad stream quality method: 1(CBR,fixed bitrate), 2(VBR,fixed quality)
s_resolution	Subcoad stream resolution D1 = 0 CIF = 1; VGA = 2 QVGA = 3; WXGA=4(1280*720) QWXGA=5(640*368); UXGA=6(1600*1200) QUXGA=7(800*600); SXGA=8(1280*1024) QSXGA=9(640*512); QQWXGA=10(320*208)
s_framerate	Subcoad stream frame rate 1-30 MAX: PAL 25 NTSC 30 (0:auto) cmos 1-30.
s_bitrate	Subcoad flow bit rate(0--7) (128K, 256K, 384K, 512K, 768K, 1M, 2M, 4M)
s_u32Quant	Subcoad steam picture quality 1-8 1: worse 2: normal 3: middle 4: not bad 5: standard 6: good

	7: better 8: best
s_QualityMethod_H264	Subcoad stream quality method: 1(CBR,fixed bitrate), 2(VBR,fixed quality)
ret_vformat_num	Available resolution number
(1)defining array var ret_vformat_list=new Array(); ret_vformat_list [0] ret_vformat_list [n] note : n=ret_vformat_num-1, if ret_vformat_num is 0, above date will not exist (2)Variable intro: ret_vformat_list(available resolution list, details on lordcoad and subcoad stream resolution)	

/cgi-bin/get_params.cgi?type=13&user=&pwd= (get factoryDDNSparameter)	
byMACAddr	Mac address
Mddnsaddress	Factory DDNS second-level domain
mddnsUser	Factory DDNS user name
mddnsPassword	Factory DDNS password

/cgi-bin/get_params.cgi?type=14&user=&pwd= (get SD card video parameter)	
cover_enable	video cover (1: yes 0: no)
prerec_enable	Prerecord (1: yes 0: no)
prerec_time	Prerecord time 1~~6 second
rec_bs	Record coad stream 0:lord coad stream 1: Subcode stream

10. reboot.cgi

function : restart device

permission : administrator

syntax : /cgi-bin/reboot.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

11. restore_factory.cgi

function : restore factory parameter
permission : administrator
syntax : /cgi-bin/restore_factory.cgi?user=&pwd=[&next_url=]
parameter :
 user : user name
 pwd : password

12. upgrade_firmware.cgi

function : upgrade firmware
permission : administrator
syntax : /cgi-bin/upgrade_firmware.cgi?user=&pwd=[&next_url=]
parameter :
 user : user name
 pwd : password
note : need use post method,, packaging the files that need to upgrade and mail to the device

13. upgrade_webui.cgi

function : upgrade webui
permission : administrator
syntax : /cgi-bin/upgrade_webui.cgi?user=&pwd=[&next_url=]
parameter :
 user : user name
 pwd : password
note : need use post method,, packaging the files that need to upgrade and mail to the device

14. backup_params.cgi

function : backup current parameter setting
permission : administrator
syntax : /cgi-bin/backup_params.cgi?user=&pwd=
parameter :
 user : user name
 pwd : password
return : params.conf file

15. restore_params.cgi

function : restore parameter setting

permission : administrator

syntax : /cgi-bin/restore_params.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

note : need use post method, packaging parameter setting files and mail to the device

16. set_alias.cgi

function : set device alias

permission : administrator

syntax : /cgi-bin/set_alias.cgi?alias=&user=&pwd=[&next_url=]

parameter :

alias : device alias length less than 32

user : user name

pwd : password

17. set_outer_alarm.cgi

function : set external alarm

permission : administrator

syntax : /cgi-bin/set_outer_alarm.cgi?sen_alarm_onoff=&sen1_off=&sen1_mod=&sen2_off=

&sen2_mod=&sdloss_onoff=&stimeout=&sdrec_enable=&mail_enable=

&ftp_enable=&alarmout_enable=&user=&pwd=[&next_url=]

parameter :

sen_alarm_onoff	Alarm output 1:no 0:yes
sen1_off	External alarm input 1 1:no 0:yes
sen1_mod	Input model 1 0 : NO, 1:NC
sen2_off	External alarm input 2 1:no 0:yes
sen2_mod	Input model 2 0 : NO, 1:NC
sdloss_onoff	SD card lost alarm 1:no 0:yes
Stimeout	External alarm last time 0: always 1: 5s 2: 10s 3: 15s 4: 30s 5: 60s

sdrec_enable	External alarm SD card record 1:yes 0:no
mail_enable	External alarm mail 1:yes 0:no
ftp_enable	External alarm FTP upload 1:yes 0:no
alarmout_enable	External alarm output 1:yes 0:no
User	user name
Pwd	password

18. set_motion_alarm.cgi

function : set motion detect alarm

permission : administrator

syntax : /cgi-bin/set_motion_alarm.cgi?motion_enable=&motion_level=&start_x=&start_y=&end_x=&end_y=&mtimeout=&sdrec_enable=&mmail_enable=&mftp_enable=&malarmout_enable=&user=&pwd=[&next_url=]

parameter :

User	user name
Pwd	password
motion_enable	Motion detect 1:yes 0:no
motion_level	Sensitivity 1-5 low middle high higher
start_x	Start coordinate x
start_y	Start coordinate y
end_x	end coordinate x
end_y	end coordinate y
Mtimeout	Motion detect alarm last time 0: always 1: 5s 2: 10s 3: 15s 4: 30s 5: 60s
sdrec_enable	Motion detect alarm SD record 1:yes 0:no
mmail_enable	Motion detect alarm mail 1:yes 0:no
mftp_enable	Motion detect alarm FTP upload 1:yes 0:no
malarmout_enable	Motion detect alarm output 1:yes 0:no

19. set_audio.cgi

function : set audio information

permission : administrator

syntax : /cgi-bin/set_audio.cgi?chan_num=&sample_rate=&user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password
 chan_num : Select mic type
 sample_rate : sample rate

chan_num	1:(inner mic), 2:(out mic)
sample_rate	sample rate: 1(16k), 2(24k), 3(32k), 4(48k)

20. set_ftp.cgi

function : set FTP information

permission : administrator

syntax : /cgi-bin/set_ftp.cgi?ftp_enable=&ftp_serv=&ftp_port=&ftp_user=&ftp_pwd=
 &ftp_dir=&ftp_mode=&user=&pwd=[&next_url=]

parameter :

User	user name
Pwd	password
ftp_enable	Open FTP or not 1:yes 0:no
ftp_serv	Ftp serve length less than 64
ftp_port	Ftp port
ftp_user	ftpuser name length less than 64
ftp_pwd	ftppassword length less than 64
ftp_dir	Userload length less than 64
ftp_mode	Transfer Mode 0:PORT 1:PASV

21. set_static_ip.cgi

function : Set static IP address

permission : administrator

syntax : /cgi-bin/set_static_ip.cgi?ip=&mask=&gateway=&dns0=&dns1=&mac=&web_port=
 &video_port=&mobi_port=&rtsp_port=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
ip	Ipaddress length less than 16
mask	Subnet mask length less than 16
gateway	Gateway length less than 16
dns0	Main DNS address length less than 16
dns1	Spare DNS address length less than 16
mac	mac address length less than 20
web_port	WEBport
video_port	Mobile phone port
mobi_port	Mobile phone port

rtsp_port	RTSP port
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22. set_dhcp_ip.cgi

function : set dynamic IP addresses

permission : administrator

syntax : /cgi-bin/set_dhcp_ip.cgi?web_port=&video_port=&mobi_port=&rtsp_port=
&dns0=&dns1=&mac=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
web_port	Web port
video_port	Media date port
mobi_port	Mobile phone port
rtsp_port	RTSP port
dns0	Main DNS address length less than 16
dns1	Spare DNS address length less than 16
mac	Mac address length less than 20

23. set_pppoe.cgi

function : set pppoe

permission : administrator

syntax : /cgi-bin/set_pppoe.cgi?poe_enable=&poe_user=&poe_pwd=&poe_ip=&web_port=
&video_port=&mobi_port=&rtsp_port=&dns0=&dns1=&mac=&user=&pwd=
[&next_url=]

parameter :

user	user name
pwd	password
poe_enable	Use pppoe or not 1:yes 0:no
poe_user	Pppoeuser name
poe_pwd	Pppoe password
poe_ip	Pppoe ip address (negligible)
web_port	Web port
video_port	Media date port、
mobi_port	Mobile phone port
rtsp_port	RTSP port
dns0	Main DNS address length less than 16
dns1	Spare DNS address length less than 16
mac	Mac address length less than 20

24. set_ddns.cgi

function : set DDNS

permission : administrator

syntax : /cgi-bin/set_ddns.cgi?ddns_enable=&ddns_type=&ddns_user=&ddns_pwd=
&ddns_address=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
ddns_enable	Use ddns or not 1:yes 0:no
ddns_type	Ddns serve type 0-aipcam 1-3322 2-dyndns
ddns_user	ddnsuser name
ddns_pwd	ddnspassword
ddns_address	Ddns host name

25. set_upnp.cgi

function : set upnp

permission : administrator

syntax : /cgi-bin/set_upnp.cgi?upnp_enable=&user=&pwd=[&next_url=]

parameter :

upnp_enable : 1 : enable upnp 0 : close upnp
user : user name
pwd: password

26. set_wifi.cgi

function : set wireless network

permission : administrator

syntax : /cgi-bin/set_wifi.cgi?wifi_enable=&net_type=&enc_type=&auth_mode=
&def_keyid=&wifi_ssid=&wifi_pwd=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
wifi_enable	Status 0:close 1:open
net_type	Network type 0:Infra 1:Adhoc
enc_type	Security model 0:NONE 1:WEP 2:TKIP 3:AES
auth_mode	Authentication model 0:OPEN 1:SHARED 2:WPAPSK 3:WPA2PSK

def_keyid	Default keys ID number (1,2,3,4)
wifi_ssid	Wireless ssid number
wifi_pwd	Wireless password

27. set_datetime.cgi

function : set date and time

permission : administrator

syntax : /cgi-bin/set_datetime.cgi?dt_mode=&now_dt=&ntp_serv=&tz=
&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
dt_mode	Model 1:ntp 2:pc or manul
now_dt	Current time The second from 1970-1-1 0:0:0 to appointed time
ntp_serv	NTP server
tz	Time zone 1~25:(GMT-12)~GMT~(GMT+12)

28. set_ptz_params.cgi

function : set ptz parameter

permission : administrator

syntax : /cgi-bin/set_ptz_params.cgi?baudrate=&device_id=&protocol=&rleftright=
&rupdown=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
baudrate	Baud rate 0-1200 1-2400 2-4800 3-9600 4-19200
device_id	address
protocol	Protocal 0-PELCO_D 1-PELCO_P 2-PTZDSCP 3-LILIN 4-MINKING
rleftright	Lift and right 0:no 1:yes

rupdown	Up and down 0:no 1:yes
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29. set_smtp.cgi

function : set smtp

permission : administrator

syntax : /cgi-bin/set_smtp.cgi?smtp_enable=&from_name=&from_addr=&to_num=
&to_addr1=&to_addr2=&to_addr3=&smtp_serv=&smtp_port=&auth_enable=
&smtp_user=&smtp_pwd=&ssl_enable=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
smtp_enable	Use smtp or not. 0:no 1:yes
from_name	Sender name
from_addr	Outbox
to_num	Inbox number
to_addr1	Inbox 1
to_addr2	Inbox 2
to_addr3	Inbox 3
smtp_serv	Smtp server
smtp_port	Smtp port
auth_enable	Check or not. 1:yes 0:no
smtp_user	smtpuser name
smtp_pwd	smtppassword
ssl_enable	Whether use ssl for secure logon. 1:yes 0:no

30. set_video.cgi

function : set video parameter

permission : administrator

syntax : /cgi-bin/set_video.cgi?standard=&def_bs=&m_resolution=&m_framerate=
&m_bitrate=&m_quant=&m_method=&s_resolution=&s_framerate=&s_bitrate=
&s_quant=&s_method=&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
def_bs	Initial streaming 0: Lord stream 1: subcoad flow
standard	CCD system PAL=1, NTSC=0
m_resolution	Lordcoad stream resolution

	D1 = 0 CIF = 1; VGA = 2 QVGA = 3; WXGA=4(1280*720) QWXGA=5(640*368); UXGA=6(1600*1200) QUXGA=7(800*600); SXGA=8(1280*1024) QSXGA=9(640*512); QQWXGA=10(320*208)
m_framerate	Lordcoad stream frame rate 1-30 MAX: PAL 25 NTSC 30 (0:auto) cmos 1-25.
m_bitrate	Lordcoad stream bit rate(0--7) (128K, 256K, 384K, 512K, 768K, 1M, 2M, 4M)
m_quant	Lordcoad stream picture quality 1-8 1: worse 2: normal 3: middle 4: not bad 5: standard 6: good 7: better 8: best
m_method	Lordcoad stream quality method: 1(CBR,fixed bitrate), 2(VBR,fixed quality)
s_resolution	Subcoad flow resolution D1 = 0 CIF = 1; VGA = 2 QVGA = 3; WXGA=4(1280*720) QWXGA=5(640*368); UXGA=6(1600*1200) QUXGA=7(800*600); SXGA=8(1280*1024) QSXGA=9(640*512); QQWXGA=10(320*208)
s_framerate	Subcoad stream frame rate 1-30 MAX: PAL 25 NTSC 30 (0:auto) cmos 1-25.

s_bitrate	Subcoad stream bit rate(0--7) (128K, 256K, 384K, 512K, 768K, 1M, 2M, 4M)
s_quant	Subcoad steam picture quality 1-8 1: worse 2: normal 3: middle 4: not bad 5: standard 6: good 7: better 8: best
s_method	Subcoad flow quality method: 1(CBR,fixed bitrate), 2(VBR,fixed quality)

31. set_multidev.cgi

function : set multi device

permission : administrator

syntax : /cgi-bin/set_multidev.cgi?dev2_enable=&dev2_host=&dev2_webport=
&dev2_dataport=&dev2_user=&dev2_pwd=&dev3_enable=&dev3_host=
&dev3_webport=&dev3_dataport=&dev3_user=&dev3_pwd=&dev4_enable=
&dev4_host=&dev4_webport=&dev4_dataport=&dev4_user=&dev4_pwd=
&dev5_enable=&dev5_host=&dev5_webport=&dev5_dataport=&dev5_user=
&dev5_pwd=&dev6_enable=&dev6_host=&dev6_webport=&dev6_dataport=
&dev6_user=&dev6_pwd=&dev7_enable=&dev7_host=&dev7_webport=
&dev7_dataport=&dev7_user=&dev7_pwd=&dev8_enable=&dev8_host=
&dev8_webport=&dev8_dataport=&dev8_user=&dev8_pwd=&dev9_enable=
&dev9_host=&dev9_webport=&dev9_dataport=&dev9_user=&dev9_pwd=
&user=&pwd=[&next_url=]

parameter :

User	user name
Pwd	password
dev2_enable	Whether using the second device or not
dev2_host	The second device address
dev2_webport	The second device web port
dev2_dataport	The second device date port
dev2_user	The second device user name
dev2_pwd	The second device password
	.
	.
	.

dev9_enable	Whether using the ninth device or not
dev9_host	The ninth device address
dev9_webport	The ninth device web port
dev9_dataport	The ninth device data port
dev9_user	The ninth device user name
dev9_pwd	The ninth device password

32. set_users.cgi

function : set user parameter

permission : administrator

syntax : /cgi-bin/set_users.cgi?user0_name=&user0_pwd=&user0_right=

&user1_name=&user1_pwd=&user1_right=

&user2_name=&user2_pwd=&user2_right=

&user3_name=&user3_pwd=&user3_right=

&user4_name=&user4_pwd=&user4_right=

&user5_name=&user5_pwd=&user5_right=

&user6_name=&user6_pwd=&user6_right=

&user7_name=&user7_pwd=&user7_right=

&user8_name=&user8_pwd=&user8_right=

&user9_name=&user9_pwd=&user9_right=

&user=&pwd=[&next_url=]

parameter :

User	user name
Pwd	password
user0_name	user1 name
user0_pwd	user1 password
user0_right	user1 permission
	.
	.
user9_name	user10 name
user9_pwd	user10password
user9_right	user10permission

33. test_ftp.cgi

function : 测试 ftpfunction

permission : administrator

syntax : /cgi-bin/test_ftp.cgi?user=&pwd=

parameter :

user : user name

pwd : password

return value:

ret_tftp_result	return test result 0: failed 1: success 2: cgi program failed
ret_tftp_reason	return failed reason ret_tftp_result is 0 ret_tftp_result is 2 1: cgi send setting message failed 2: cgi parameter is not enough 3: cgi User authentication failed 4: permission for calling cgi is not enough

34. test_smtp.cgi

function : test smtpfunction

permission : administrator

syntax : /cgi-bin/test_smtp.cgi?user=&pwd=

parameter :

user : user name

pwd : password

return value:

ret_tsmtmp_result	Return test result 0: failed 1: success 2: cgi program failed
ret_tsmtmp_reason	Return failed reason ret_tsmtmp_result is 0 ret_tsmtmp_result is 2 1: cgi send setting message failed 2: cgi parameter is not enough 3: cgi user authentication failure 4: permission for calling cgi is not enough

35. get_log_page.cgi

function : get log pages

permission : administrator

syntax : /cgi-bin/get_log_page.cgi?line=&user=&pwd=

parameter :

user : user name

pwd : password

line : line number in one page

return value:

ret_logpage_result	Return result 0: success 1: failed 2: parameter error 3: user information error 4: user permission is not enough
ret_logpage_num	Return logpage number (requirement: need set the line number displayed on every page) 0 : no page bigger than 0: log page

36. get_log_info.cgi

function : get log information

permission : administrator

syntax : /cgi-bin/get_log_info.cgi?page=&line=&user=&pwd=

parameter :

user : user name

pwd : password

page : get appointed log page

line: appointed the line number display on every page

return value:

ret_loginfo_user_1	the first log user name
ret_loginfo_ip_1	the first log ip address
ret_loginfo_time_1	the first log time
ret_loginfo_type_1	the first log type
	.
	.
	.
ret_loginfo_user_n	The n log user name n=line
ret_loginfo_ip_n	The n log ip address n=line
ret_loginfo_time_n	The n log time n=line
ret_loginfo_type_n	The n log type n=line

37. clear_log.cgi

function : clear all the log information

permission : administrator

syntax : /cgi-bin/clear_log.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

38. write_log.cgi

function : write log information

permission : visitor

syntax : /cgi-bin/write_log.cgi?type=&user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

type : log type

type	Log type
1	Power on
2	Power off
3	Login
4	Quit
5	Set parameter
6	User oprater
7	Delete log
8	[undefined]

39. get_sdc_status.cgi

function : get SD card status

permission : non

syntax : /cgi-bin/get_sdc_status.cgi

return value:

ret_sdc_status_result	Return getting status result 1: success 0: failed
ret_sdc_status_name	Return SD name
ret_sdc_status_allspace	Return SD card all space, Unit :KB
ret_sdc_status_freespace	Return SD card free space, Unit :KB
ret_sdc_status_normal	Return SD card status. 0: extract Other: normal

40. set_sdc_rec.cgi

function : set SD video parameter

permission : administrator

syntax : /cgi-bin/ set_sdc_rec.cgi?enable_cover=&enable_prerec=&rec_time=&rec_bs=
&user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
enable_cover	Whether allow video coverage or not 1.allow 2.not allowed
enable_prerec	Whether open prerecord or not. 1: open 0: close
rec_time	Record time 1~~6 second
rec_bs	video stream 0: h264 stream 1:subcode flow

41. format_sdc.cgi

function : format SD card

permission : administrator

syntax : /cgi-bin/ format_sdc.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

42. wifi_scan.cgi

function : order IP camera scan wireless network

permission : administrator

syntax : /cgi-bin/ wifi_scan.cgi?user=&pwd=[&next_url=]

parameter :

user : user name

pwd : password

43. get_wifi_scan_result.cgi

function : get IP camera wireless network scanning result

permission : administrator

syntax : /cgi-bin/ get_wifi_scan_result.cgi?user=&pwd=

parameter :

user : user name

pwd : password

return value:

ret_wscan_result	Return scan result 0: success 1: failed 2: parametererror 3: user information error 4: user permission is not enough
ret_wscan_number	Return scan number
(1)defining array <pre>var ret_wscan_nettype=new Array(); var ret_wscan_enctype=new Array(); var ret_wscan_authmode=new Array(); var ret_wscan_ssid=new Array(); ret_wscan_nettype[0] ret_wscan_enctype[0] var ret_wscan_authmode[0] var ret_wscan_ssid[0] ret_wscan_nettype[n] ret_wscan_enctype[n] var ret_wscan_authmode[n] var ret_wscan_ssid[n]</pre> note : n means the scan number decrement, if the scan number is zero,above array will not exist. (2)Variable intro: <pre>ret_wscan_nettype (network type 0:Infra 1:Adhoc) ret_wscan_enctype (security model: 0:NONE 1:WEP 2:TKIP 3:AES) ret_wscan_authmode (authentication mode 0:OPEN 1:SHARED 2:WPAPSK 3:WPA2PSK) ret_wscan_ssid (ssid number)</pre>	

44. get_cruise.cgi

function : get appointed cruise information

permission : administrator

syntax : /cgi-bin/get_cruise.cgi?index=&user=&pwd=

parameter :

index : cruise index. range : 0—9

user : user name

pwd : password

return value:

ret_sruise_result	Return cruise information result. 0: success 1: failed 2: parametererror 3: user information error 4: user permission is not enough
ret_sruise_enable	Return the is available or not.(1:available 0:unavailable)
ret_sruise_index	Return cruise index (range: 0—9)
ret_sruise_name	Return cruise name
<pre> defining array var ret_sruise_preset_enable=new Array(); var ret_sruise_preset_index=new Array(); var ret_sruise_preset_time=new Array(); var ret_sruise_preset_speed=new Array(); ret_sruise_preset_enable[0] ret_sruise_preset_index[0] ret_sruise_preset_time[0] ret_sruise_preset_speed[0] ret_sruise_preset_enable[8] ret_sruise_preset_index[8] ret_sruise_preset_time[8] ret_sruise_preset_speed[8] note : 0—8 represent nine preset positioninformation. Above array will not exist if return failed Variable intro ret_sruise_preset_enable(preset position is available or not, 1:available, 0:unavailable) ret_sruise_preset_index(preset position index, range: 0--8) ret_sruise_preset_time preset position residence time, range: 0--9999) ret_sruise_preset_speed(preset position speed, range: 0--10) </pre>	

45. set_cruise.cgi

function : set cruise information

permission : administrator

syntax : /cgi-bin/set_cruise.cgi?cruise_enable=&cruise_index=&cruise_name=
&preset0_enable=&preset0_index=&preset0_time=&preset0_speed=
&preset1_enable=&preset1_index=&preset1_time=&preset1_speed=

&preset2_enable=&preset2_index=&preset2_time=&preset2_speed=
 &preset3_enable=&preset3_index=&preset3_time=&preset3_speed=
 &preset4_enable=&preset4_index=&preset4_time=&preset4_speed=
 &preset5_enable=&preset5_index=&preset5_time=&preset5_speed=
 &preset6_enable=&preset6_index=&preset6_time=&preset6_speed=
 &preset7_enable=&preset7_index=&preset7_time=&preset7_speed=
 &preset8_enable=&preset8_index=&preset8_time=&preset8_speed=
 &user=&pwd=[&next_url=]

parameter :

user	user name
pwd	password
cruise_enable	Cruise is available or not. 1:available 0:unavailable
cruise_index	Cruise index range: 0--9
cruise_name	Cruise name, length < 32
preset0_enable preset0_index preset0_time preset0_speed	The first preset position information preset0_enable(available or not, 1:available, 0:unavailable) preset0_index(preset position index, range: 0--8) preset0_time(preset position residence time, range: 0-9999) preset0_speed(preset position speed, range: 0-10)
.	.
preset8_enable preset8_index preset8_time preset8_speed	The ninth preset position information

46. get_list_cruise.cgi

function : get cruise list

permission : visitor

syntax : /cgi-bin/ get_list_cruise.cgi?user=&pwd=

parameter :

user : user name

pwd : password

return value :

ret_lcruse_result	Return cruise information result
-------------------	----------------------------------

	0: success 1: failed 2: parameter error 3: user information error
ret_lcruiase_curindex	Currently usingcruise index , range: -1—9 -1 : stop cruise 0—9 : available cruise index
<pre> defining array var ret_lcruiase_enable=new Array(); var ret_lcruiase_index=new Array(); var ret_lcruiase_name=new Array(); ret_lcruiase_enable[0] ret_lcruiase_index[0] ret_lcruiase_name[0] ret_lcruiase_enable[9] ret_lcruiase_index[9] ret_lcruiase_name[9] note : 0-9 represent 10 cruise index, when return failed, the above array not exist Variable intro ret_lcruiase_enable(This cruise is available or not 1:可用 0:不可用) ret_lcruiase_index(cruise index, range 0--9) ret_lcruiase_name(cruise name) </pre>	

47. control_cruise.cgi

function : control cruise
permission : operator
syntax : /cgi-bin/ control_cruise.cgi?index=&user=&pwd=[&next_url=]
parameter :
index : cruise index, -1:stop cruise, 0-9:start appointedcruise
user : user name
pwd : password

48. get_preset_status.cgi

function : get preset position status

permission : visitor

syntax : /cgi-bin/ get_preset_status.cgi?user=&pwd=

parameter :

user : user name

pwd : password

return value:

ret_presetsta_result	Return preset position status 0: success 1: failed 2: parameter error 3: user information error
ret_presetsta_num	return preset position number
defining array var ret_presetsta_enable=new Array(); ret_presetsta_enable[0] ret_presetsta_enable[n] note : n equal to ret_presetsta_num – 1 if return failed,the above array not exist. Variable intro ret_presetsta_enable(preset position status 1:available 0:not available)	

49. set_lamp.cgi

function : set indicator

permission : administrator

syntax : /cgi-bin/ set_lamp.cgi?type=&user=&pwd=[&next_url=]

parameter :

User	user name
Pwd	password
Type	Control type 0 : Blink when network connected; Off when not connection 1 : Blink when network connected; Slow blink when no connection 2. always off

50. set_mac.cgi

function : set MAC address

permission : administrator

syntax : /cgi-bin/set_mac.cgi?mac=&user=&pwd=[&next_url=]

parameter :

User	user name
Pwd	password
Mac	MAC address eg: mac=11:22:33:44:55:66