

YUCHENG Camhi IP Camera CGI Manual

Catalogue

IP Camera CGI introduction	8
1: Video and audio	8
Param.cgi?cmd=getaudioalarmattr	9
param.cgi?cmd=getvideoattr	10
param.cgi?cmd=setvideoattr	13
param.cgi?cmd=getfisheyeattr	17
param.cgi?cmd=setfisheyeattr	18
param.cgi?cmd=getvencattr	19
param.cgi?cmd=setvencattr	19
param.cgi?cmd=getimageattr	21
param.cgi?cmd=setimageattr	23
param.cgi?cmd=getldcattr	25
param.cgi?cmd=setldcattr	25
param.cgi?cmd=getircutattr	26
param.cgi?cmd=setircutattr	26
param.cgi?cmd=getoverlayattr	27
param.cgi?cmd=setoverlayattr	27
param.cgi?cmd=getmobilesnapattr	28
param.cgi?cmd=setmobilesnapattr	29
param.cgi?cmd=getaencattr	29
param.cgi?cmd=setaencattr	30
param.cgi?cmd=getaudioinvolume	31
param.cgi?cmd=setaudioinvolume	32
param.cgi?cmd=getaudiooutvolume	32
param.cgi?cmd=setaudiooutvolume	33
param.cgi?cmd=requestifrm	33
param.cgi?cmd=requestifrm	34
param.cgi?cmd=getcover	34
param.cgi?cmd=setcover	36
2: Infrared and white light control	37
Param.cgi?cmd=getlampctrl	37
Param.cgi?cmd=setlampctrl	38
param.cgi?cmd=getinfrared	39
param.cgi?cmd=setinfrared	39
3、 Network	39
param.cgi?cmd=getnetattr	39
param.cgi?cmd=setnetattr	40
param.cgi?cmd=gethttpport	41
param.cgi?cmd=sethttpport	42
param.cgi?cmd=getrtsport	42
param.cgi?cmd=setrtsport	43
param.cgi?cmd=getrtmpattr	43
param.cgi?cmd=setrtsport	44
param.cgi?cmd=getrtspath	44
param.cgi?cmd=setrtspath	45
param.cgi?cmd=getinterip	45
param.cgi?cmd=getupnattr	46
param.cgi?cmd=setupnattr	46
param.cgi?cmd=getonvifattr	47
param.cgi?cmd=setonvifattr	48
4、 Wifinone wire	49
param.cgi?cmd=getwirelessattr	49
param.cgi?cmd=setwirelessattr	50
param.cgi?cmd=searchwireless	51
param.cgi?cmd=chkwirelessattr	54
param.cgi?cmd=getchkwireless	54
5、 DDNS	56
param.cgi?cmd=getourddnsattr	56
param.cgi?cmd=setourddnsattr	56
param.cgi?cmd=get3thddnsattr	57

param.cgi?cmd=set3thddnsattr	58
6、PTZ control.....	60
param.cgi?cmd=getmotorange	60
param.cgi?cmd=setmotorange.....	60
param.cgi?cmd=ptzctrl	62
param.cgi?cmd=preset	62
param.cgi?cmd=getmotorattr	63
param.cgi?cmd=setmotorattr	64
param.cgi?cmd=getptzcomattr	65
param.cgi?cmd=setptzcomattr	66
ptzup.cgi	67
ptzdown.cgi.....	68
ptzleft.cgi	68
ptzright.cgi	69
ptzzoomin.cgi	69
ptzzoomout.cgi	70
7、Movement detection、 I/O alarm.....	70
param.cgi?cmd=getmdattr	70
param.cgi?cmd=setmdattr.....	72
param.cgi?cmd=getioattr	73
param.cgi?cmd=setioattr.....	74
param.cgi?cmd=getmdalarm	74
param.cgi?cmd=setmdalarm.....	76
param.cgi?cmd=getrelayattr	76
param.cgi?cmd=setrelayattr.....	77
param.cgi?cmd=getalarmsnapattr.....	77
param.cgi?cmd=setalarmsnapattr	78
param.cgi?cmd=getscheduleex	78
param.cgi?cmd=setscheduleex	80
param.cgi?cmd=getplanrecattr	80
param.cgi?cmd=setplanrecattr	81
param.cgi?cmd=relayctrl	82
param.cgi?cmd=getalarmsnapattr	82
param.cgi?cmd=setalarmsnapattr	82
8、user management	84
param.cgi?cmd=getuserattr.....	84
param.cgi?cmd=setuserattr	84
param.cgi?cmd=getsetupflag	85
param.cgi?cmd=getstreamflag.....	85
param.cgi?cmd=getptzflag	86
param.cgi?cmd=getuserinfo	87
9、timing capture.....	87
captureparam.cgi?cmd=getsnaptimerattrex	87
param.cgi?cmd=setsnaptimerattrex	88
10、FTP	89
param.cgi?cmd=getftpattr	89
param.cgi?cmd=setftpattr	90
param.cgi?cmd=testftp	91
11、SMTP	93
param.cgi?cmd=getsmtpattr	93
param.cgi?cmd=setsmtpattr	93
param.cgi?cmd=testsmtp	94
12、SD卡	96
param.cgi?cmd=sdfmt	96
param.cgi?cmd=sdstop	96
13、 timing restart.....	97
Param.cgi?cmd=gettimerreboot.....	97
Param.cgi?cmd=settimerreboot	97
14、 language sets.....	98
param.cgi?cmd=getlanguage	98

	Param.cgi?cmd=setlanguage	98
15、	Multichannel sets	99
Nineteen、	Intelligent humanoid	89
	param.cgi?cmd=getdevices	99
	Param.cgi?cmd=setdevices	99
	param.cgi?cmd=getsmdata	90
16、	System sets	101
	param.cgi?cmd=setsmdattr	91
	param.cgi?cmd=getserverinfo	101
	param.cgi?cmd=getdevtype	103
	param.cgi?cmd=getsmdex	103
	param.cgi?cmd=getstreamnum	103
	param.cgi?cmd=setsmdex	103
	param.cgi?cmd=setservtime	104
	param.cgi?cmd=getmdalarm	105
	param.cgi?cmd=gethttp	106
	param.cgi?cmd=setmdalarm	106
	param.cgi?cmd=getcapability	107
	param.cgi?cmd=setcapability	108
	web/tmpfs/snap.jpg	109
Twenty、	Night Vision	109
	Sysreset.cgi	110
	Sysreboot.cgi	110
	backup.cgi	110
	restore.cgi	111
	upgrade.cgi	111
cmd=	getlampattrex	91
17、	Log	111
	param.cgi?cmd=setlampattrex	112
	param.cgi?cmd=logsync	112
	param.cgi?cmd=cleanlog	112
18、	appendix	112
	Appendix I Equipment Type Definitions	112
4G、	Appendix II: Time Zone Table	115
19、	Intelligent humanoid	118
	param.cgi?cmd=get4gattr	91
	param.cgi?cmd=getsmdata	118
	param.cgi?cmd=set4gattr	118
	param.cgi?cmd= getsmdex	119
	param.cgi?cmd= setsmdex	119
	param.cgi?cmd= getmdalarm	119
	param.cgi?cmd= setmdalarm	120
20、	Night Vision Mode	120
	param.cgi?cmd= getlampattrex	120
	param.cgi?cmd= setlampattrex	121
21、	4G	121
	param.cgi?cmd= get4gattr	121
	param.cgi?cmd= set4gattr	122

版本	作者	修改 time	修改内容
1.0	Himmy Ho	2011-07-30	First release
1.1	Franck Zhao	2011-09-08	修订
1.2	Franck Zhao	2012-02-22	1. param.cgi?cmd=getimageattr param.cgi?cmd=setimageattr 增加对53xmk机型描述 2. 增加了请求I帧 param.cgi?cmd=requestifrm
1.3	Franck Zhao	2012-08-01	1. param.cgi?cmd=chkwirelessattr 增加了config check none wire parameter 2. param.cgi?cmd=getchkwireless 增加了get check WIFIresult
1.4	Franck Zhao	2018-02-08	修订
			1、 param.cgi?cmd=getaudioalarmattr 2、 param.cgi?cmd=getdevices 3、 param.cgi?cmd=gettimerreboot 4、 param.cgi?cmd=getlanguage 5、 param.cgi?cmd=getmotorange 6、 param.cgi?cmd=getlampctrl 7、 param.cgi?cmd=setlampctrl
1.5	Franck Zhao	2019-11-12	修订
			1、 /param.cgi?cmd=getsmdata 2、 /param.cgi?cmd=setsmdattr 3、 /param.cgi?cmd=getsmdex 4、 /param.cgi?cmd=setsmdex 5、 /param.cgi?cmd=getmdalarm 5、 /param.cgi?cmd=setmdalarm 备注：添加5M分辨率主次码流、 Intelligent human recognition

1.6	Franck Zhao	2022-01-10	<p>修订</p> <ol style="list-style-type: none">1、/param.cgi?cmd=getlampattrex2、/param.cgi?cmd=setlampattrex3、/param.cgi?cmd=get4gattr4、/param.cgi?cmd=set4gattr <p>备注：添加 Night Vision Mode、4G属性及4K分辨率和编码格式等相关parameter</p>
1.7	Himmy Ho	2022-04-15	<ol style="list-style-type: none">1、更新分辨率和编码格式相关parameter

IP Camera CGI introduction

- The cgi listed in this article is a set of http protocol based interfaces provided by ip camera. client programs (which can be web pages or other applications running on web browsers) can perform various operations on devices through cgi.
- Security authentication for cgi: The cgi listed below require security authentication when accessing them. Moreover, different cgi interfaces require different permissions, which are divided into three levels: visitor, operator, and manager. The permissions are determined by the user set on the device. The specific security authentication mechanism supports two methods: the Basic security authentication mechanism specified in the http protocol, and directly attaching a user name and password to the cgi p.
- Methods for accessing cgi: Among all http methods, the cgi listed in this article only supports get and post, and the upgrade.cgi and restore.cgi only support the post method.

Get example

```
<form name="form2" method="get" action="cgi-bin/hi3510/cleanlog.cgi">  
  <input name="cururl" type="hidden" >  
  <input name="name" type="hidden" value="access">  
</form>
```

</form>

Post example:

```
<form name="form5" method="post" target="retframe" enctype="multipart/form-data"  
  action="cgi-bin/hi3510/upgrade.cgi" onSubmit="return upgrade()">  
  <td colspan="3"><input type="file" name="setting_file" >  
  <input type="submit" value=" submit" >  
</form>
```

- Return of cgi: Depending on the returned information, the cgi listed in this article can be divided into two types:

- ✓ Obtain the cgi of the device status and parameters. If the acquisition is successful, the text containing the device status or parameters will be returned in a format similar to the variable definition in javascript. Each status or parameter will be defined as a variable and returned, such as:

```
var bps_1="2048";  
var fps_1="25";  
var gop_1="50";  
var brmode_1="1";  
var imagegrade_1="1";  
var width_1="704";  
var height_1="576";
```

If the acquisition fails, an error message will be returned, such as: “[Error]Get video attribution error! errcode is 0xa10e6008”。

- ✓ Cgi for setting device parameters or performing operations. This type of cgi returns text information containing the results of the operation, Return if successful “HTTP/1.0 200 OK”; If it fails, return specific error information, such as: “[Error][Data-Length:91] unrecognized or incomplete command line.” Indicates that the parameters attached to the cgi are incorrect.

- ✓ Cgi can directly enter tests in a browser as follows:

http://192.168.1.6/cgi-bin/hi3510/param.cgi?cmd=getwirelessattr

User name and password can also be attached directly

http://192.168.1.88/cgi-bin/hi3510/param.cgi?cmd=getvencattr&-chn=11&-usr=admin&-pwd=admin

http://192.168.1.6/cgi-bin/hi3510/param.cgi?cmd=getwirelessattr&-usr=admin&-pwd=admin

1:Video and audio

Param.cgi?cmd=getaudioalarmattr

function	Audible alarm
Power	admin
Grammar	/cgi-bin/hi3510/param.cgi? cmd=getaudioalarmattr
parameter	none
Return	var aa_enable 0:close、 1: open
	var aa_value Volume level
remarks	none
examples	/cgi-bin/hi3510/param.cgi? cmd=getaudioalarmattr

param.cgi?cmd=getvideoattr

function	Obtain device video attributes, first, second, and third stream resolution, video format, and video encoding.
Power	admin
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getvideoattr]
parameter	none

Return	videomode	17: D1_CIF_CIF 20: CIF_CIF_CIF 31: 720P_Q720P_QQ720P 32: 720P_QQ720P_QQ720P 33: Q720P_Q720P_QQ720P 34: Q720P_QQ720P_QQ720P 35: 720P_D1_CIF 36: 720P_CIF_CIF 41: 1080P_Q720P_QQ720P 42: 1080P_QQ720P_QQ720P 45: 1080P_D1_CIF 46: 1080P_CIF_CIF 47: 1080P_QVGA 48: 1080P_720P 49: 1080P_Q720PC 51: 960P_VGA_QVGA 52: 960P_QVGA_QVGA 53: VGA_VGA_QVGA 54: VGA_QVGA_QVGA 55: 960P_D1_CIF 56: 960P_CIF_CIF 63: 3M_450P 64: 3M_Q720P 65: 1080P_450P 66: 1080P_Q720P 67: 3M_720P 68: 3M_Q720PC 81: 4M_450P 82: 4M_Q720P 83: 4M_1080P 84: 4M_Q720PC 85: 4M_720P 101: 5M_600P 102: 5M_VGA 121: 4K_1080P 122: 4K_720P 123: 4K_Q720P
--------	-----------	---

	vinorm	P: 50Hz(PAL) N: 60Hz(NTSC)
	Profile	0: baseline 1: mainprofile 3: H265 mainprofile
	var maxchn	Maximum channel number of code stream
	wdr=0	0 linear 1 Wide dynamic
remarks	<p>Note:</p> <p>720P Resolution is 1280x720</p> <p>Q720PC Resolution is 640x360</p> <p>Q720P Resolution is 640x352</p> <p>QQ720P Resolution is 320x176</p> <p>960P Resolution is 1280x960</p> <p>450P Resolution is 800x448</p> <p>VGA Resolution is 640x480</p> <p>QVGA Resolution is 320x240</p> <p>1080P Resolution is 1920x1080</p> <p>D1 Resolution is 704x576</p> <p>CIF Resolution is 352x288</p> <p>3M Resolution is 2304x1296</p> <p>4M Resolution is 2560x1440</p> <p>5M Resolution is 2560x1920</p> <p>600P Resolution is 800x600</p> <p>4K Resolution is 3840x2160</p> <p>take care:</p> <p>720P_Q720P_QQ720P: The first bitstream resolution is 720P, the second bitstream resolution is Q720P, and the third bitstream resolution is QQ720P</p>	
examples	/cgi-bin/hi3510/param.cgi?cmd=getvideoattr	

param.cgi?cmd=setvideoattr

function	Set device video properties	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setvideoattr&-vinorm=&-profile=&-videomode=]	
parameter	vinorm	P: 50Hz(PAL) N: 60Hz(NTSC)
	profile	0: baseline 1: mainprofile 3: H265 mainprofile

	videomode	17: D1_CIF_CIF 20: CIF_CIF_CIF 31: 720P_Q720P_QQ720P 32: 720P_QQ720P_QQ720P 33: Q720P_Q720P_QQ720P 34: Q720P_QQ720P_QQ720P 35: 720P_D1_CIF 36: 720P_CIF_CIF 41: 1080P_Q720P_QQ720P 42: 1080P_QQ720P_QQ720P 45: 1080P_D1_CIF 46: 1080P_CIF_CIF 47: 1080P_QVGA 48: 1080P_720P 49: 1080P_Q720PC 51: 960P_VGA_QVGA 52: 960P_QVGA_QVGA 53: VGA_VGA_QVGA 54: VGA_QVGA_QVGA 55: 960P_D1_CIF 56: 960P_CIF_CIF 63: 3M_450P 64: 3M_Q720P 65: 1080P_450P 66: 1080P_Q720P 67: 3M_720P 68: 3M_Q720PC 81: 4M_450P 82: 4M_Q720P 83: 4M_1080P 84: 4M_Q720PC 85: 4M_720P 101: 5M_600P 102: 5M_VGA 121: 4K_1080P 122: 4K_720P 123: 4K_Q720P
--	-----------	---

Return	wdr=0	0 linear 1 Wide dynamic
	<p>success: contain Success</p> <p>Failure: contain Error</p> <p>Take care:</p> <p>720P=1280x720</p> <p>Q720PC= 640x360</p> <p>Q720P=640x352</p> <p>QQ720P=320x176</p> <p>960P=1280x960</p> <p>450P=800x448</p> <p>VGA=640x480</p> <p>QVGA=320x240</p> <p>1080P=1920x1080</p> <p>D1=704x576</p> <p>CIF=352x288</p> <p>3M=2304x1296</p> <p>4M=2560x1440</p> <p>5M=2560x1920</p> <p>600P= 800x600</p> <p>4K=3840x2160</p> <p>Take care:</p> <p>720P_ Q720P_ QQ720P: The first bitstream resolution is 720P, the second bitstream resolution is Q720P, and the third bitstream resolution is QQ720P</p> <p>Take care:</p> <p>Long return time</p>	
remarks	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setvideoattr&-vinorm=N&-profile=1&-videomode=32&-wdr=1	

param.cgi?cmd=getfisheattr

function	get鱼眼parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getfisheattr]	
parameter	none	
Return	fisheye_flag	0-Turn off,1-Turn on
	fisheye_mode	0-吊装,1-壁装
	fisheye_lens	1. gc2033+K119 2. h65+H106A 3. imx323+K104 4. sc4236+H103A
	fisheye_xcircle	圆心X坐标
	fisheye_ycircle	圆心Y坐标
	fisheye_rcircle	圆的半径
	备注	none
examples	/cgi-bin/hi3510/param.cgi?cmd=getfisheattr	

param.cgi?cmd=setfisheattr

function	sets鱼眼parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setfisheattr]	
parameter	none	
Return	fisheye_flag	0-Turn off,1-Turn on
	fisheye_mode	0-吊装,1-壁装
	fisheye_lens	5. gc2033+K119 6. h65+H106A 7. imx323+K104 8. sc4236+H103A
	fisheye_xcircle	圆心X坐标
	fisheye_ycircle	圆心Y坐标
	fisheye_rcircle	圆的半径
	Note	none
examples	/cgi-bin/hi3510/param.cgi?cmd=setfisheattr&-fisheye_flag=1&-fisheye_mode=0&-fisheye_lens=0	

param.cgi?cmd=getvencattr

function	Obtain device video encoding parameters	
Power	admin、 user and guest	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getvencattr &-chn=]	
parameter	chn	Code stream number: 11: First code stream 12: Second code stream 13: Third code stream
Return	bps_1、 bps_2或bps_3	Code rate
	fps_1、 fps_2或fps_3	Frame rate
	gop_1、 gop_2或gop_3	Main frame interval
	brmode_1、 brmode_2或 brmode_3	Video encoding control: 0: Fixed bit rate 1: Variable bit rate
	imagegrade_1、imagegrade_2 OR imagegrade_3	Video coding quality
	width_1、width_2 OR width_3	Video width
	height_1、 height_2 或 height_3	Video height
Note	Note: The suffix "_1" refers to the first code stream parameter, the suffix "_2" refers to the second code stream parameter, and the suffix "_3" refers to the third code stream parameter.	
examples	/cgi-bin/hi3510/param.cgi?cmd=getvencattr&-chn=11	

param.cgi?cmd=setvencattr

function	config设备视频编码parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setvencattr&-chn=&-bps=&-fps=&-brmode=&-imagegrade=&-gop=]	
parameter	chn	重点词汇
	bps	Code rate : 720P: scope [32 ~ 6144 kbps] 1080P: scope [32 ~ 8192 kbps] D1: scope [32 ~ 2048 kbps] CIF: scope [32 ~ 512 kbps] QCIF: scope [32 ~ 256 kbps] VGA: scope [32 ~ 2048 kbps] QVGA: scope [32 ~ 512 kbps] QQVGA: scope [32 ~ 256 kbps] 5M (2560*1920) : scope [32-6144 kbps] 600P (800*600) : scope [32-2048 kbps]
	fps	Code rate : PAL: Code rate :[1 ~ 25] NTSC: Code rate :[1 ~ 30]
	brmode	Video encoding control: 0: Fixed bit rate 1: Variable bit rate
	imagegrade	Video coding quality: range [1 to 6] Note: The smaller the value, the better the image quality, and the greater the bitstream control amplitude
	gop	Main frame interval: range [2~150]
parameter	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setvencattr&-chn=11&-bps=1536&-fps=25&-brmode=1&-imagegrade=1&-gop=50	

	<code>/cgi-bin/hi3510/param.cgi?cmd=setvencattr&-chn=12&-bps=1536&-fps=25&-brmode=1&-imagegrade=1&-gop=50</code>
	<code>/cgi-bin/hi3510/param.cgi?cmd=setvencattr&-chn=11&-bps=1536&-fps=25</code>

param.cgi?cmd=getimageattr

function	getImageparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getimageattr]	
parameter	none	
Return	brightness	brightness
	saturation	saturation
	contrast	contrast ratio
	sharpness	Sharpness
	hue	chroma
	targety	Exposure
	gamma	Gamma
	flip	Image flipping: on: Turn on off: Turn off
	mirror	acoustic image: on: Turn on off: Turn off
	night	Night mode: on: Turn on off: Turn off
	shutter	shutter
	wdr	Wide dynamic: on: Turn on, off: Turn off
	noise	Noise removal intensity (0-100, works under low light)
	gc	Gain, Value range [0-4294967295]
aemode	Exposure mode, Value range [0-22] 0 represents automatic, 1 represents indoor, and 2 represents outdoor.	

	imgmode	Image Priority Mode 0: Frame rate first 1: Illumination priority
	display_mode	Current mode 0: Black and white mode 1: Color mode
Note	Different devices have different image parameters. Please refer to Appendix I Device Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=getimageattr	

param.cgi?cmd=setimageattr

function	Set image parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setimageattr&-image_type=&-brightness=&-saturation=&-contrast=&-hue=&-targety=&-gamma=&-flip=&-mirror=&-noise=&-aemode=&-imgmode=]	
parameter	brightness	Brightness
	saturation	Saturation
	contrast	Contrast
	sharpness	Sharpness
	hue	Chromaticity
	targety	Exposure
	gamma	Gamma
	flip	Flip image up and down: on: Turn on off: Turn off
	mirror	Flip image up and down: on: Turn on off: Turn off
	night	Night mode: on: Turn on off: Turn off
	shutter	shutter
	wdr	Wide dynamic: on: Turn on off: Turn off
	noise	Noise removal intensity (0-100, works under low light)
	gc	Gain, Value range [0-4294967295]
aemode	Exposure mode, Value range [0-22] 0 represents automatic, 1 represents indoor, and 2 represents outdoor.	

	imgmode	Image Priority Mode 0: Frame rate first 1: Illumination priority
	display_mode	Current mode 0 represents black and white mode, and 1 represents color mode. (Setting parameters takes effect only in the corresponding current mode.)
Return	Success: Include Success Error: contains Error	
Note	Different equipment parameters are not completely the same. Please refer to Appendix I Equipment Type Definitions for details The image parameter settings must take effect in the current mode, otherwise the settings are invalid.	
examples	/cgi-bin/hi3510/param.cgi?cmd=setimageattr&-image_type=1&-brightness=1&-saturation=1&-contrast=1&-hue=1&-gamma=1&-flip=on&-mirror=on&-noise=5&-aemode=0&-imgmode=1	

param.cgi?cmd=getldcattr

function	Obtain lens distortion values	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getldcattr]	
parameter	None	
Return	ldc_ratio	Distortion value [0-511]
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getldcattr	

param.cgi?cmd=setldcattr

function	Set lens distortion values	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setldcattr&- ldc_ratio =]	
parameter	ldc_ratio	Distortion value [0-511]
Return	Success: Include Success Failed: contains Error	
备注	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setldcattr&- ldc_ratio=1	

param.cgi?cmd=getircutattr

function	Obtain IRCut switching threshold	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getircutattr]	
parameter	none	
Return	saradc_switch_value	IRCut Switching threshold [1-1024]
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getircutattr	

param.cgi?cmd=setircutattr

function	Set IRCut switching threshold	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setircutattr&-saradc_switch_value=]	
parameter	saradc_switch_value	IRCut Switching threshold [1-1024]
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setircutattr&-saradc_switch_value=700	

param.cgi?cmd=getoverlayattr

function	Obtain OSD parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getoverlayattr&-region=]	
parameter	region	region 0: OSD time zone 1: OSD name area
Return	x_[region]	OSD region x coordinate
	y_[region]	OSD region y coordinate
	w_[region]	OSD area width
	h_[region]	OSD area high
	show_[region]	Is the OSD displayed 0: Hidden 1: Display
	place_[region]	0: Top 1: Bottom
	name_[region]	OSD name
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getoverlayattr&-region=0	

param.cgi?cmd=setoverlayattr

function	Set OSD parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setoverlayattr&-region=&-show=&-name=&-place=]	
parameter Return	region	region 0: OSD time zone 1: OSD name area
	show	Is the OSD displayed 0: Hidden 1: Display
	place	0: Top 1: Bottom
	name	OSD name, only supported in English. Character length cannot exceed 16
	Success: Include Success Error: contains Error	
Note	Note: region_ Setting the name parameter is not supported in the 0 time OSD region	
examples	/cgi-bin/hi3510/param.cgi?cmd=setoverlayattr&-region=0&-show=0	
	/cgi-bin/hi3510/param.cgi?cmd=setoverlayattr&-region=1&-show=1&-name=IPCam&-place=0	

param.cgi?cmd=getmobilesnapattr

function	Get phone picture parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getmobilesnapattr]	
parameter	none	
Return	msize	1: Maximum resolution of the second code stream 2: Minimum resolution of the second code stream
Note	Some devices do not support attribute modification. Please refer to Appendix I Device Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=getmobilesnapattr	

param.cgi?cmd=setmobilesnapattr

function	Set phone picture parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setmobilesnapattr&-msize=]	
parameter	msize	1: Maximum resolution of the second code stream 2: Minimum resolution of the second code stream
Return	Success: Include Success Failed: contains Error	
Note	Some devices do not support attribute modification. Please refer to Appendix I Device Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=setmobilesnapattr&-msize=1	

param.cgi?cmd=getaencattr

function	Obtain audio encoding parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaencattr&-chn=]	
parameter	chn	Channel number: 11: First code stream 12: Second code stream 13: Third code stream
Return	aeswitch_1、aeswitch_2或 aeswitch_3	Whether to enable audio encoding 0: Close 1: ON
	aeformat_1、aeformat_2或 aeformat_3	Audio encoding format g711a: G711A, 64Kbps g726: G726 16Kbps
Note	_ 1 is the first code stream_ 2 is the second code stream_ 3 is the third code stream. The audio sample rate is 8K, mono, and 16 bit wide	
examples	/cgi-bin/hi3510/param.cgi?cmd=getaencattr&-chn=11	

param.cgi?cmd=setaencattr

function	Set audio encoding parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaencattr&-chn=]	
parameter	chn	Channel number: 11: First code stream 12: Second code stream 13: Third code stream
	aeswitch	Whether to enable audio encoding 0: Close 1: ON
	aeformat	Audio encoding format g711a: G711a 64Kbps g726: G726 16Kbps
Return	Success: Include Success Failed: contains Error	
Note	The audio sample rate is 8K, mono, and 16 bit wide.	
examples	/cgi-bin/hi3510/param.cgi?cmd=setaencattr&-chn=11&-aeswitch=0	
	/cgi-bin/hi3510/param.cgi?cmd=setaencattr&-chn=12&-aeswitch=1&-aeformat=g726	

param.cgi?cmd=getaudioinvolume

function	Get input audio information	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaudioinvolume]	
parameter	none	
Return	Volume	Volume level [1-100]
	aec	Echo cancellation 0: Off 1: On
	var volin_type	0: Linear input 1: Mic input
	denoise	denoise
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getaudioinvolume	

param.cgi?cmd=setaudioinvolume

function	Set input audio information	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaudioinvolume&-volume=]	
parameter	volume	Volume level [1-100]
Return	var volin_type	0: Linear input 1: Mic input
	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setaudioinvolume&-volume=80&-volin_type=0	

param.cgi?cmd=getaudiooutvolume

function	Get Output Audio Volume	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaudiooutvolume]	
parameter	none	
Return	ao_volume	Volume level [1-100]
备注	none	
示例	/cgi-bin/hi3510/param.cgi?cmd=getaudiooutvolume	

param.cgi?cmd=setaudiooutvolume

function	Set output audio volume	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaudiooutvolume&-volume=]	
parameter	volume	Volume level [1-100]
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setaudiooutvolume&-volume=80	

param.cgi?cmd=requestfrm

function	Request the next frame as a key frame	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=requestifrm&-chn=]	
parameter	chn	11, 12
Return	Success: Include Success Error: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=requestifrm&-chn=11	

param.cgi?cmd=requestifrm

function	Request the next frame as a key frame	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=requestifrm&-chn=]	
parameter	chn	11, 12,13
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=requestifrm&-chn=11	

param.cgi?cmd=getcover

function	Obtain video occlusion parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getcover]	
parameter	none	
Return	show_1	Enable area 1 video occlusion function: 0: Off 1: Enable
	color_1	Video occlusion area - color
	x_1	Horizontal coordinate of video occlusion area
	y_1	Vertical coordinate of video occlusion area
	w_1	Width of video occlusion area I
	h_1	Height of video blocking area I
	show_2	Enable area 2 video occlusion function: 0: Off 1: Enable
	color_2	Video occlusion area II color
	x_2	Video occlusion area II abscissa
	y_2	Second ordinate of video occlusion area
	w_2	Width of video occlusion area II
	h_2	Height of video occlusion area II
	show_3	Whether to enable the area three video occlusion function: 0: Off 1: Enable
	color_3	Video occlusion area three colors
	x_3	Three horizontal coordinates of video occlusion area
y_3	Three ordinates of video occlusion area	
w_3	Video occlusion area three widths	
h_3	Video occlusion area three heights	

	show_4	Whether to enable the area four video occlusion function: 0: Off 1: Enable
	color_4	Video occlusion area four colors
	x_4	Four horizontal coordinates of video occlusion area
	y_4	Four vertical coordinates of video occlusion area
	w_3	Video occlusion area four widths
	h_4	Four heights of video occlusion area
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getcover	

param.cgi?cmd=setcover

function	sets视频遮挡parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setcover&-show=&-region=&-color=&-x=&-y=&-w=&-h=]	
parameter	region	Video blocking area: [1~4]
	show	Enable area video occlusion: 0: Off 1: Enable
	color	Video occlusion area color
	x	Horizontal coordinate of video occlusion area
	y	Vertical coordinate of video occlusion area
	w	Video occlusion area width
	h	Height of video occlusion area
Return	Success: Include Success Error: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setcover&-show=1&-region=1&-color=FFFFFF&-x=0&-y=0&-w=60&-h=60	

2:Infrared and white light control

Param.cgi?cmd=getlampctrl

function	Obtain white light parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getlampctrl]	
parameter	none	

Return	var lampstat	Infrared lamp status Auto: automatic Open: forced on Close: force off
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
示例	/cgi-bin/hi3510/param.cgi?cmd=getlampctrl	

Param.cgi?cmd=setlampctrl

function	Set white light parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setlampctrl]	
parameter	none	
Return	var lampstat	Infrared lamp status Auto :automatic Open: forced on Close: force off
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=setlampctrl&-lampstat=open	

param.cgi?cmd=getinfrared

function	Obtain infrared lamp parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getinfrared]	
parameter	none	
Return	infraredstat	Infrared lamp status Auto: automatic Open: forced on Close: force off
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=getinfrared	

param.cgi?cmd=setinfrared

function	Set infrared lamp parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setinfrared]	
parameter	none	
Return	infraredstat	Infrared lamp status Auto: automatic Open: forced on Close: force off
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=setinfrared&-infraredstat=auto	

3、Network

param.cgi?cmd=getnetattr

function	Obtain device network parameters	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getnetattr]	
parameter	None	
Return	dhcpflag	Enable DHCP: on: Turn on off: Turn off
	ip	IP address
	netmask	Subnet mask
	gateway	gateway
	dnsstat	DNS status: 0: Manual setting 1: Automatic setting
	fdnsip	be the first choice DNS
	sdnsip	Reserve DNS
	macaddress	MAC address
networktype	Network type: LAN: Wired WiFi: Wireless	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getnetattr	

param.cgi?cmd=setnetattr

function	config设备局域网 network parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setnetattr&-dhcp=&-ipaddr=&-netmask=&-gateway=&-dnsstat=&-fdnsip=&-sdnsip=]	
parameter	dhcp	Enable DHCP?: on: Turn on off: Turn off
	ipaddr	IP address
	netmask	Subnet mask
	gateway	gateway
	dnsstat	DNS status: 0: Manual setting 1: Automatic setting
	fdnsip	be the first choice DNS
	sdnsip	Reserve DNS
Return	Success: Include Success Error: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setnetattr&-dhcp=off&-ipaddr=192.168.1.88&-netmask=255.255.255.0&-gateway=192.168.1.1&-dnsstat=0&-fdnsip=192.168.1.1&-sdnsip=	

param.cgi?cmd=gethttpport

function	Get HTTP port	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=gethttpport]	
parameter	none	
Return	httpport	HTTP port
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=gethttpport	

param.cgi?cmd=sethttpport

function	Config HTTP port	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=sethttpport&-httpport=]	
parameter	httpport	HTTP port : scope [80~65535]
Return	Success: Include Success Failed: contains Error	
Note	After successful modification, the device will automatically restart	
examples	/cgi-bin/hi3510/param.cgi?cmd=sethttpport&-httpport=80	

param.cgi?cmd=getrtspport

function	Obtain RTSP and RTP ports	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrtsport]	
parameter	none	
Return	rtsport	RTSP ports
	rtpport	RTP ports
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getrtsport	

param.cgi?cmd=setrtsport

function	Configuring RTSP and RTP ports	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrtsport&-rtsport=&-rtpport=]	
parameter	rtsport	RTSPport: scope [80~65535]
Return	rtpport	RTPport: scope [5000~8000]
	Success: Include Success Failed: contains Error	
Note	After successful modification, the device will automatically restart	
examples	/cgi-bin/hi3510/param.cgi?cmd=setrtsport&-rtsport=554&-rtpport=6600	

param.cgi?cmd=getrtmpattr

function	getRTMPport	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrtmpattr]	
parameter	none	
Return	rtmpport	RTMPport
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getrtmpattr	

param.cgi?cmd=setrtsport

function	configRTMPport	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrtmpattr&-rtmpport=]	
parameter	rtmpport	RTMPport
Return	Success: Include Success Failed: contains Error	
Note	After successful modification, the device will automatically restart	
examples	/cgi-bin/hi3510/param.cgi?cmd=setrtmpatt&-rtmpport=1935	

param.cgi?cmd=getrtspauth

function	getRTSPPowerverify	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrtspauth]	
parameter	none	
Return	rtsp_aenable	whether or notTurn onRTSPPowerverify: 0: Turn off 1: Turn on
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getrtspauth	

param.cgi?cmd=setrtspauth

function	configRTSPPowerverify	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrtspauth&-rtsp_aenable=]	
parameter	rtsp_aenable	whether or notTurn onRTSPPowerverify: 0: Turn off 1: Turn on
Return	Success: Include Success Failed: contains Error	
Note	After successful modification, the device will automatically restart	
examples	/cgi-bin/hi3510/param.cgi?cmd=setrtspauth&-rtsp_aenable=1	

param.cgi?cmd=getinterip

function	查询本机的互联网IP地址	
Power	admin	
Grammar	/cgi-bin/param.cgi?cmd=getinterip	
parameter	none	
Return	interip	互联网IP地址, for example interip = "220.112.14.173"
Note	none	
examples	/cgi-bin/param.cgi?cmd=getinterip	

param.cgi?cmd=getupnpatrr

function	getUPNPparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getupnpatrr]	
parameter	none	
Return	upm_enable	whether or not Enable UPNPport映射: 0: Turn off 1: Turn on
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getupnpatrr	

param.cgi?cmd=setupnpatrr

function	setsUPNPparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setupnpatr&-upm_enable=]	
parameter	upm_enable	whether or not Enable UPNPport映射: 0: Turn off 1: Turn on
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setupnpatr&-upm_enable=1	

param.cgi?cmd=getonvifatr

function	getonvifparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getonvifattr]	
parameter	none	
Return	ov_enable	whether or notTurn on 1: Turn on 0: Turn off
	ov_port	port
	ov_authflag	Powerwhether or notverify 1: verify 0: No verify
	ov_forbitset var ov_snapchn var ov_snapchn var ov_nvctype	0: Time zone settings permit, Image parameter sets permit 1: Time zone settings prohibit, Imageparameter sets permit 2: Time zone settings permit, Imageparametersets prohibit 3: Time zone settings prohibit, Imageparametersets prohibit
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getonvifattr	

param.cgi?cmd=setonvifattr

function	setonvifparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setonvifattr&-ov_enable=&-ov_port=&-ov_authflag=&-ov_forbitset=]	
parameter	ov_enable	whether or notTurn on 0: Turn off 1: Turn on
	ov_port	port
	ov_authflag	Powerwhether or notverify 1: verify 0: No verify
	ov_forbitset	0: Time zone settings permit, Imageparametersets permit 1: Time zone settings prohibit, Imageparametersets permit 2: Time zone settings permit, Imageparametersets prohibit 3: Time zone settings prohibit, Imageparametersets prohibit
返回	Success: Include Success Failed: contains Error	
Note	After successful modification, the device will automatically restart	
examples	/cgi-bin/hi3510/param.cgi?cmd=setonvifattr&-ov_enable=1&-ov_port=8080&-ov_authflag=0&-ov_forbitset=0	

4、Wifinone wire

param.cgi?cmd=getwirelessattr

function	getnone wire parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getwirelessattr]	
parameter	none	
Return	wf_enable	whether or not Enable none wire 0: Turn off 1: Turn on
	wf_ssid	SSID Maximum 32 characters
	wf_auth	Encryption method 0: none Encryption 1: WEP 2: WPA-PSK 3: WPA2-PSK
	wf_key	Password
	wf_enc	Password Type 0: TKIP 1: AES
	wf_mode	Connection method 0: Router mode 1: Point to Point Method
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getwirelessattr	

param.cgi?cmd=setwirelessattr

function	confignone wire parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setwirelessattr&-wf_enable=&-wf_ssid=&-wf_auth=&-wf_key=&-wf_enc=&-wf_mode=]	
parameter	wf_enable	whether or not Enable none wire 0: Turn off 1: Enable
	wf_ssid	SSID Maximum 32 characters
	wf_auth	Encryption method 0: none加密 1: WEP 2: WPA-PSK 3: WPA2-PSK
	wf_key	Password
	wf_enc	Password Type 0: TKIP 1: AES
	wf_mode	Connection method 0: Router mode 1: Point to Point Method
Return	Success: Include Success Error: Include Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setwirelessattr&-wf_ssid=linksys&-wf_enable=1&-wf_auth=2&-wf_key=1234567890&-wf_enc=0&-	

param.cgi?cmd=searchwireless

function	Search none wire network	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=searchwireless]	
parameter	none	
Return	waccess_points	Search 到的none wire network 数量
	wchannel	Channel
	wrssi	signal intensity
	wssid	SSID
	wenc	Encryption method
	wauth	Authentication method
	wnet	Connection mode (router mode, point to point
<p>Note: If there are multiple wifi networks, that is, waaccess_ When points is greater than 1, multiple groups of access will be returned_ The values of the wchannel to wnet fields outside points, such as:</p> <pre> var waccess_points="2" ; var wchannel=new Array(); var wrssi=new Array(); var wssid=new Array(); var wenc=new Array(); var wauth=new Array(); var wnet=new Array(); wchannel[0]="6" ; wrssi[0]="-82" ; wssid[0]="Fumax wireless" ; wenc[0]="AES" ; wauth[0]="WPA(2)-PSK" ; wnet[0]="Infra" ; wchannel[1]="11" ; wrssi[1]="-62" ; wssid[1]="linksys" ; wenc[1]="TKIP" ; wauth[1]="WPA(2)-PSK" ; wnet[1]="Infra" ; </pre>		

Note	none
examples	<code>/cgi-bin/hi3510/param.cgi?cmd=searchwireless</code>

param.cgi?cmd=chkwirelessattr

function	config check none wire parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=chkwirelessattr&-wf_ssid=&-wf_auth=&-wf_key=&-wf_enc=&-wf_mode=]	
	wf_ssid	SSID Maximum 32 characters
	wf_auth	Encryption method 0: none加密 1: WEP 2: WPA-PSK 3: WPA2-PSK
	wf_key	Password
	wf_enc	Password Type 0: TKIP 1: AES
	wf_mode	Connection method 0: Router mode 1: Point to Point Method
返回	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=chkwirelessattr&-wf_ssid=linksys&-wf_auth=3&-wf_key=1234567890&-wf_enc=0&-wf_mode=0	

param.cgi?cmd=getchkwireless

function	get check WiFiresult	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getchkwireless]	
parameter	none	
Return	chkres	test result 0: fail 1: Success
Note	Must be executed first: param.cgi?cmd=chkwirelessattr	
examples	/cgi-bin/hi3510/param.cgi?cmd=getchkwireless	

5、DDNS

param.cgi?cmd=getourddnsattr

function	get manufacturer DDNSparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getourddnsattr]	
parameter	none	
Return	our_enable	whether or not Enable manufacturer DDNS: 0: Turn off 1: Enable
	our_server	Server address
	our_port	port
	our_uname	user
	our_passwd	Password
	our_domain	host name
	var out_interval	time interval
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getourddnsattr	

param.cgi?cmd=setourddnsattr

function	sets manufacturer DDNSparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setourddnsattr&-our_enable=&-our_server=&-our_port=&-our_undef=&-our_passwd=]	
parameter Return	our_enable	whether or not Enable manufacturer DDNS: 0: Turn off 1: Enable
	our_server	Server address
	our_port	port
	our_undef	user
	our_passwd	Password
	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setourddnsattr&-our_enable=1&-our_server=hipcam.org&-our_port=80&-our_undef=user&-	

param.cgi?cmd=get3thddnsattr

function	get third party DDNSparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=get3thddnsattr]	
parameter	none	
Return	d3th_enable	whether or not Enable third party DDNS: 0: Turn off 1: Turn on
	d3th_service	DDNS Service Provider Type : 0: dyndns.org 1: 322.org 2: dynddns.us 3: No-ip.com
	d3th_uname	user
	d3th_passwd	Password
	d3th_domain	host name
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=get3thddnsattr	

param.cgi?cmd=set3thddnsattr

function	sets third party DDNSparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=set3thddnsattr.&-d3th_enable=&-d3th_service=&-d3th_undef=&-d3th_passwd=&-d3th_domain=]	
parameter	d3th_enable	whether or not Enable third party DDNS: 0: Turn off 1: Enable
	d3th_service	DDNS Service Provider Type : 0: dyndns.org 1: 3322.org 2: dynddns.us 3: No-ip.com
	d3th_undef	user
	d3th_passwd	Password
	d3th_domain	host name
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=set3thddnsattr&-d3th_enable=1&-d3th_service=1&-d3th_undef=sample&-d3th_passwd=1234&-d3th_domain=sample.dyndns.org	

6, PTZ control

param.cgi?cmd=getmotorange

function	get step	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=getmotorange	
parameter Return	var panrange	horizontal
	var tiltrange	Vertical
	var panhome	horizontal centre
	var tilthome	Vertical centre
	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi? cmd=getmotorange	

param.cgi?cmd=setmotorange

function	get step	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=setmotorange	
parameter	var panrange	horizontal
	var tiltrange	Vertical
	var panhome	horizontal centre
	var tilthome	Vertical centre
Return	Success: Include Success Failed: contains Error	

Note	none
examples	<code>/cgi-bin/hi3510/param.cgi? cmd=setmotorange&-panrange=500</code>

param.cgi?cmd=ptzctrl

function	PTZ control	
Power	admin和user	
Grammar	/cgi-bin/hi3510/param.cgi?cmd=ptzctrl.cgi[&-step=&-act=&-speed=]	
parameter	step	Stepping method: 0: After single step execution, you need to issue the Stop command again to stop 1: Automatic Stop after single step execution
	act	Control command, such as: left: left right: right up: Up down: down home: go home zoomin: zoom+ zoomout: zoom- focusout: focus+ focusin: focus- hscan: horizontal cruise vscan: Vertical cruise stop: Stop
	speed	PT Speed , Values range from 1 to 63。
Return	Success: Include Success Failed: contains Error	
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=ptzctrl&-step=0&-act=left&-speed=45	

param.cgi?cmd=preset

function	PTZ Preset Control	
Power	admin和用户	
Grammar	/cgi-bin/hi3510/param.cgi?cmd=preset[&-act=&-status=&-number=]	
parameter	act	Control command : goto: call Preset set: sets Preset
	status	Preset Control command : 0: DEL 1: Save
	number	Preset No.
Return	Success: Include Success Failed: contains Error	
Note	Different device models may have different preset positions	
examples	/cgi-bin/hi3510/param.cgi?cmd=preset&-act=goto&-number=1 /cgi-bin/hi3510/param.cgi?cmd=preset&-act=set&-status=1&-number=1	

param.cgi?cmd=getmotorattr

function	get PTZ parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getmotorattr]	
parameter	none	
Return	panspeed	horizontal Speed 0: fast 1: middle 2: slow
	tiltspeed	Vertical Speed 0: fast 1: middle 2: slow
	panscan	horizontal cruise number
	tiltscan	Vertical cruise number
	movehome	self-checking centre on: Turn on off: Turn off
	ptzalarmmask	Turn off alarm when PTZ is moving on: Turn on off: Turn off
	light_enable	
	alarmpresetindex	Alarm linkage Preset , (1-8)
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getmotorattr	

param.cgi?cmd=setmotorattr

function	sets PTZ parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setmotorattr&-panspeed=&-tiltspeed=&-panscan=&-tiltscan=&-movehome=&-ptzalarmmask=&-alarmpresetindex=]	
parameter	panspeed	horizontal Speed 0: fast 1: middle 2: slow
	tiltspeed	Vertical Speed 0: fast 1: middle 2: slow
	panscan	horizontal cruise Number
	tiltscan	Vertical cruise Number
	movehome	self-checking centre on: Turn on off: Turn off
	ptzalarmmask	Turn off alarm when PTZ is moving on: Turn on off: Turn off
	alarmpresetindex	Alarm linkage Preset Preset , (1-8)
返回	Success: Include Success Failed: contains Error	
Note	horizontal Speed and Vertical Speed are same, horizontal cruise Number and Vertical cruise Number are same。	
examples	/cgi-bin/hi3510/param.cgi?cmd=setmotorattr&-panspeed=1&-tiltspeed=1&-panscan=1&-tiltscan=1&-movehome=on&-ptzalarmmask=on&-alarmpresetindex=1	

param.cgi?cmd=getptzcomattr

function	getPTZparameter	
Power	admin和用户	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getptzcomattr]	
parameter	none	
Return	protocal	Protocol Type: 0: PELCO-D 1: PELCO-P
	address	Address code (0~255)
	baud	Baud rate
	databit	Data bits
	stopbit	Stop bit
	check	verify: 0: none 1: odd verify 2: even verify 3: Mark 4: Space
	speed	Speed
Note		
examples	/cgi-bin/hi3510/param.cgi?cmd=getptzcomattr	

param.cgi?cmd=setptzcomattr

function	setsPTZparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setptzcomattr&-protocal=&-address=&-baud=&-databit=&-stopbit=&-check=&-speed=]	
parameter	protocal	Protocol Type: 0: PELCO-D 1: PELCO-P
	address	地址码: 0~255
	baud	Baud rate: 1200、2400、4800、9600、19200、38400、57600
	databit	Data bits: 7, 8 (one of its middle)
	stopbit	Stop bit: 1, 2 (one of its middle)
	check	verify: 0: noneverify 1: odd verify 2: even verify
	Speed	Speed (1-63)
返回	Success: Include Success Failed: contains Error	
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=setptzcomattr&-protocal=0&-address=1&-baud=9600&-databit=8&-stopbit=1&-check=0&-speed=31	

ptzup.cgi

function	Control PTZ Up rotation (applicable to PTZ control during mobile browsing)
Power	Admin and user
Grammar	/cgi-bin/hi3510/ptzup.cgi
parameter	none
Return	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/ptzup.cgi

ptzdown.cgi

function	Control PTZ down rotation (applicable to PTZ control during mobile
Power	Admin and user
Grammar	/cgi-bin/hi3510/ptzdown.cgi
parameter	none
Return	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/ptzdown.cgi

ptzleft.cgi

function	Control PTZ left rotation (applicable to PTZ control during mobile browsing)
Power	Admin and user
语法	/cgi-bin/hi3510/ptzleft.cgi
parameter	none
返回	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/ptzleft.cgi

ptzright.cgi

function	Control PTZ right rotation (applicable to PTZ control during mobile
Power	Admin and user
Grammar	/cgi-bin/hi3510/ptzright.cgi
parameter	none
Return	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/ptzright.cgi

ptzzoomin.cgi

function	Control PTZ lens zoom+(suitable for PTZ control during mobile browsing)
Power	Admin and user
Grammar	/cgi-bin/hi3510/ptzzoomin.cgi
parameter	none
Return	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/ptzzoomin.cgi

ptzzoomout.cgi

function	Control PTZ lens zoom- (suitable for PTZ control during mobile browsing)
Power	Admin and user
语法	/cgi-bin/hi3510/ptzzoomout.cgi
parameter	none
返回	Success: Include Success Error: Include Error
Note	none
examples	/cgi-bin/hi3510/ptzzoomout.cgi

7、Movement detection、I/O alarm

param.cgi?cmd=getmdattr

function	Get Movement detection configparameter	
Power	admin	
Grammar	cgi-bin/hi3510/param.cgi[?cmd=getmdattr]	
parameter	none	
Return	m1_enable	whether or not Enable Area movement detection function: 0: Turn off 1: Enable
	m1_x	Area I abscissa
	m1_y	Area I ordinate
	m1_w	Zone 1 width
	m1_h	Area I height
	m1_sensitivity	Zone 1 sensitivity
	m1_threshold	Reserved field, not used
	m2_enable	whether or not Enable area 2 Movement detection function : 0: Turn off 1: Enable
	m2_x	Area 2 abscissa
	m2_y	Area II ordinate
	m2_w	Zone 2 width
	m2_h	Area II height
	m2_sensitivity	Zone 2 sensitivity
	m2_threshold	Reserved field, not used
	m3_enable	whether or not Enable Area 2 Movement detection function : 0: Turn off 1: Enable
m3_x	Area 3 abscissa	
m3_y	Area 3 ordinate	

	m3_w	Zone 3 width
	m3_h	Area 3 height
	m3_sensitivity	Zone 3 sensitivity
	m3_threshold	Reserved field, not used
	m4_enable	whether or not Enable Area 4 Movement detection function : 0: Turn off 1: Enable
	m4_x	Area 4 abscissa
	m4_y	Area 4 ordinate
	m4_w	Zone 4 width
	m4_h	Area 4 height
	m4_sensitivity	Zone 4 sensitivity
	m4_threshold	Reserved field, not used
Note	Regional coordinates and width and height are based on the maximum resolution of the device.	
examples	/cgi-bin/hi3510/param.cgi?cmd=getmdattr	

param.cgi?cmd=setmdattr

function	Config Movement detection parameter	
Power	admin	
语法	/cgi-bin/hi3510/param.cgi[?cmd=setmdatr&-enable=&-s=&-name=&-x=&-y=&-w=&-h=]	
parameter	enable	whether or not Enable Movement detection function : 0: Turn off 1: Enable
	s	Sensitivity: range [1~100]
	name	Alarm area: range [1~4]
	x	Horizontal coordinate of movement detection area
	y	Vertical coordinate of movement detection area
	w	Movement detection area width
	h	Movement detection area height
返回	Success: Include Success Failed: contains Error	
Note	Regional coordinates and width and height are based on the maximum resolution of the device.	
examples	/cgi-bin/hi3510/param.cgi?cmd=setmdatr&-enable=1&-s=50&-name=1&-x=0&-y=0&-w=60&-h=60	

param.cgi?cmd=getioattr

function	get External alarm input parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getioattr]	
parameter	none	
Return	io_enable	whether or not Enable External alarm input : 0: Turn off 1: Turn on
	io_flag	External alarm mode : 0: normal close 1:
备注	none	
示例	/cgi-bin/hi3510/param.cgi?cmd=getioattr	

param.cgi?cmd=setioattr

function	sets External alarm input parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setioattr &-io_enable=&-io_flag=]	
parameter	io_enable	whether or not Enable External alarm input : 0: Turn off 1: Turn on
	io_flag	External alarm mode : 0: normal close 1: normally open
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setioattr&-io_enable=1&-io_flag=0	

param.cgi?cmd=getmdalarm

function	Get Alarm linkage Preset status information	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getmdalarm&-aname=]	
parameter	aname	Option name: Email: E-mail alarm Emailsnap: E-mail alerts and sends pictures Snap: Save image to SD card Ftpsnap: Save image to FTP server Record: Save video to SD card Ftpprec: Save video to FTP server Relay: relay output
返回	md_email_switch	whether or not Enable E-mail alarm function : on: Valid off: Turn off
	md_emailsnap_switch	whether or not Enable E-mail alarm and send image function : on: Valid off: Turn off
	md_snap_switch	whether or not Enable Save image to sd card : on: Valid off: Turn off
	md_ftpsnap_switch	whether or not Enable Save image to ftp上: on: Valid off: Turn off
	md_record_switch	whether or not Enable Save video to sd card: on: Valid off: Turn off
	md_ftpprec_switch	whether or not Enable Save video to ftp: on: Valid off: Turn off
	md_relay_switch	whether or not Enable Relay output: on: Valid off: Turn off
Note	none	

examples	<code>/cgi-bin/hi3510/param.cgi?cmd=getmdalarm&-aname=email&cmd=getmdalarm&-aname=emailsnap&cmd=getmdalarm&-aname=ftpsnap&cmd=getmdalarm&-aname=snap&cmd=getmdalarm&-aname=emailrec&cmd=getmdalarm&-aname=record&cmd=getmdalarm&-aname=ftprec&cmd=getmdalarm&-aname=relay</code>
----------	--

param.cgi?cmd=setmdalarm

function	configAlarm linkage Presetparameter	
Power	admin	
Grammar	<code>/cgi-bin/hi3510/param.cgi[?cmd=setmdalarm &-aname=&-switch=]</code>	
parameter	aname	Alarm linkage Preset Option Name : email: E-mail alarm emailsnap: E-mail alarm and send image snap: Save image to sd card ftpsnap: Save image to ftp record: Save video to sd card ftprec: Save video to ftp relay: Relay output
	switch	Alarm linkage Preset Option Value: on: Enable off: Turn off
Return	Success: Include Success Error: Include Error	
Note	none	
examples	<code>/cgi-bin/hi3510/param.cgi?cmd=setmdalarm&-aname=email&-switch=off&cmd=setmdalarm&-aname=emailsnap&-switch=off&cmd=setmdalarm&-aname=ftprec&-switch=off&cmd=setmdalarm&-aname=snap&-switch=off&cmd=setmdalarm&-aname=ftpsnap&-switch=off&cmd=setmdalarm&-aname=record&-switch=off&cmd=setmdalarm&-aname=relay&-switch=off</code>	

param.cgi?cmd=getrelayattr

function	getAlarm linkage Preset時 Relay output time	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrelayattr]	
parameter	none	
Return	time	Output time (in seconds), for example var time="10";
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getrelayattr	

param.cgi?cmd=setrelayattr

function	setsAlarm linkage Preset時 Relay output time	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrelayattr&-time=]	
parameter	time	Output time (in seconds), Value range [5、10、20、30]
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setrelayattr&-time=10	

param.cgi?cmd=getalarmsnapattr

function	get Number of pictures captured	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getalarmsnapattr]	
parameter	none	
Return	snap_count	Number of pictures captured
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getalarmsnapattr	

param.cgi?cmd=setalarmsnapattr

function	sets Number of pictures captured	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setalarmsnapattr&-snap_count=]	
parameter	snap_count	Number of pictures captured, Value range [1, 2, 3]
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setalarmsnapattr&-snap_count=2	

param.cgi?cmd=getscheduleex

function	get alarm arrange time和定时 record time	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getscheduleex&-ename=]	
parameter	ename	Option Name md : alarm arrange plan : timing record
Return	<pre> week0=PPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPP week1=PPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPP week3=PPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPP week4=PPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPP week5=PPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPP week6=PPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPPPPPPPPPPPP PPPPPP </pre>	Number of pictures captured week0: Sunday Week1: Monday Week2: Tuesday Week3: Wednesday Week4: Thursday Week5: Friday Week6: Saturday P : open N : close
Note	Parameter - week0~- week6middle, each parameter has 48 characters, that is, a 24-hour video recording config string (a 24-hour day will be subdivided into half an hour into a time segment, using the characters P or N to indicate where or not to turn on video recording, P to indicate on, and N to indicate off), and the time is calculated from zero to zero	
examples	/cgi-bin/hi3510/param.cgi?cmd=getscheduleex&-ename=md	

function	get plan record parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getplanrecattr]	
parameter	none	
Return	planrec_enable	whether or notTurn on record 0: Turn off 1: Turn on
	planrec_time	record File duration (15-900 seconds)
	planrec_chn	record Code rate 11、 12、 13
	planrec_type	record format, 0: AVI, 1: 264
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getplanrecattr	

param.cgi?cmd=setplanrecattr

function	sets plan record parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setplanrecattr&-planrec_enable=&-planrec_time&-planrec_chn]	
parameter Return	planrec_enable	whether or notTurn on record 0: Turn off 1: Turn on
	planrec_time	record File duration (15-900 seconds)
	planrec_chn	record Code rate 11、 12、 13
function	Success: Include Success Failed: contains Error	
Note	After the code rate is successfully modified, the device will automatically restart	
examples	/cgi-bin/hi3510/param.cgi?cmd=setplanrecattr&-planrec_enable=1&-planrec_time=30&-planrec_chn=12	

param.cgi?cmd=relayctrl

function	Manual Turn on or Turn off electric relay	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=relayctrl&-act=]	
	act	whether or not Enable electric relay function : on: Enable off: Turn off
返回	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=relayctrl&-act=on	

param.cgi?cmd=getalarmsnapattr

function	Get Capture Image File Name parameter	
Power	Admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getalarmsnapattr]	
parameter	none	
Return	snap_name_mode	Naming 0: Date time name 1: Fixed file name
	snap_alarm_name	alarm Capture Image File Name
	snap_timer_name	Timing Capture Image File Name
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getalarmsnapattr	

param.cgi?cmd=setalarmsnapattr

function	sets Capture Image File Name parameter	
Power	Admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setalarmsnapattr&-snap_name_mode=&-snap_alarm_name=&-snap_timer_name=]	
parameter	snap_name_mode	Naming 0: Date time name 1: Fixed file name
	snap_alarm_name	alarm Capture Image File Name
	snap_timer_name	Timing Capture Image File Name
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setalarmsnapattr&-snap_name_mode=1&-snap_alarm_name=snapalarm&-snap_timer_name=snaptime	

8、 user management

param.cgi?cmd=getuserattr

function	get All user information	
Power	admin	
语法	/cgi-bin/hi3510/param.cgi[?cmd=getuserattr]	
parameter	none	
返回	at_name	user
	at_password	User Password
Note	此 command will return All user information, for example : var at_name0="admin"; var at_password0="admin"; var at_name1="user"; var at_password1="user"; var at_name2="guest"; var at_password2="guest";	
examples	/cgi-bin/hi3510/param.cgi?cmd=getuserattr	

param.cgi?cmd=setuserattr

function	Config user management parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setuserattr&-at_username=&-at_newname= &-at_password=]	
parameter Return	at_username	old user , The maximum number of characters is
	at_newname	new user , The maximum number of characters is 16
	at_password	Password parameter, The maximum number of characters is 16
function	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setuserattr&-at_username=admin&-at_newname=newname&-at_password=admin	

param.cgi?cmd=getsetupflag

function	getadmin user parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi?cmd=getsetupflag	
parameter	none	
Return	name0	user
	password0	Password
	authLevel0	Reserved Fields
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getsetupflag	

param.cgi?cmd=getstreamflag

function	Get guest user parameter	
Power	guest	
Grammar	/cgi-bin/hi3510/ param.cgi?cmd=getstreamflag	
parameter	none	
Return	name2	user
	password2	Password
	authLevel2	Reserved Fields
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getstreamflag	

param.cgi?cmd=getptzflag

function	Get user user parameter	
Power	user	
Grammar	/cgi-bin/hi3510/param.cgi?cmd=getptzflag	
parameter	none	
Return	name1	user
	password1	Password
	authLevel1	Reserved Fields
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getptzflag	

param.cgi?cmd=getuserinfo

function	get login user info	
Power	admin、 user or guest	
Grammar	/cgi-bin/hi3510/param.cgi?cmd=getuserinfo	
parameter	none	
Return	name	user
	password	Password
	authLevel	Power 15: admin 3: user 1: guest
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getuserinfo	

9,timing capture

captureparam.cgi?cmd=getsnaptimerattrex

function	Get Timing capture parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getsnaptimerattrex]	
parameter	none	
Return	as_snap_enable	whether or not Enable Timing capture Save picture to SD card: 0: Turn off 1: Turn on
	as_snap_interval	time interval , Unit seconds (range: 5-86400)
	as_email_enable	whether or not Enable ,Timing capture and send pictures to Email: 0: Turn off 1: Turn on
	as_email_interval	time interval , Unit seconds (range: 5-86400)
	as_ftp_enable	whether or not Enable ,Timing capture and send pictures to FTP server: 0: Turn off 1: Turn on
	as_ftp_interval	time interval , Unit seconds (range: 5-86400)
	as_cloud_enable	whether or not Enable Timing capture and send pictures to cloud: Reserved field, not used 0: Turn off 1: Turn on
	var_cloud_interval	time interval , Unit seconds (range: 5-86400)
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getsnaptimerattrex	

param.cgi?cmd=setsnaptimerattrex

function	Sets Timing capture parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setsnaptimerattrex&-as_enable=&-as_interval=&-as_type=]	
parameter	as_enable	whether or notTurn on Timing capture: 0: Turn off 1: Enable
	as_interval	time interval , Unit seconds (range: 5-86400)
	as_type	Linkage type snap: Save picture to SD card. email: send picture to Email ftp: send picture to FTP server.
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setsnaptimerattrex&-as_enable=1&-as_interval=60&-as_type=snap	

10、FTP

param.cgi?cmd=getftpattr

function	getFTPparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getftpattr]	
parameter	none	
Return	ft_server	FTPServer address
	ft_port	server port
	ft_username	user
	ft_password	Password
	ft_dirname	way
	ft_mode	Passive mode : 0: Turn off 1: Turn on
	ft_autocreatedir	Automatically create a directory: 0: Turn off 1: Turn on
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getftpattr	

param.cgi?cmd=setftpattr

function	Sets FTP parameter	
Power	admin	
语法	/cgi-bin/hi3510/param.cgi[?cmd=getftpattr&-ft_server=&-ft_port=&-ft_username=&-ft_password=&- ft_dirname =&-ft_mode=]	
parameter	ft_server	FTPServer address
	ft_port	server port
	ft_username	user
	ft_password	Password
	ft_dirname	way
	ft_mode	Passive mode : 0: Turn off 1: Turn on
	ft_autocreatedir	Automatically create a directory: 0: Turn off 1: Turn on
Return	Success: Include Success Error: Include Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setftpattr&-ft_server=220.112.14.173&-ft_port=21&-ft_username=FTPUsername&-ft_password=FTPPassword&-ft_dirname =Program Files&-ft_mode=1	

param.cgi?cmd=testftp

function	test FTP	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=testftp]	
parameter	none	
Return	result	type 0: Success -1: unknownError -2: Unable to connect to server -3: user or Password Error -4: way Error
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=testftp	

11、SMTP

param.cgi?cmd=getsmtppatr

function	getSMTPconfigparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getsmtppatr]	
parameter	none	
Return	ma_server	SMTPServer address
	ma_port	server port
	ma_ssl	Secure connection type : 0: Turn off 1: SSL 2: TLS 3: STARTTLS
	ma_logintype	whether or not Verification Required : 1: Turn on Verification 3: Turn off Verification
	ma_username	user
	ma_password	Password
	ma_from	Shipping address
	ma_to	Receiving address
	ma_subject	Mail Subject
	ma_text	Message Text Content
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getsmtppatr	

param.cgi?cmd=setsmtppatr

function	setsSMTPparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi?cmd=setsmtppatr&-ma_server=&-ma_port=&-ma_ssl=&-ma_logintype=&-ma_username=&-ma_password=&-ma_from=&-ma_to=&-ma_subject=&-ma_text=]	
parameter	ma_server	SMTPServer address
	ma_port	server port
	ma_ssl	Secure connection type : 0: Turn off 1: SSL 2: TLS 3: STARTTLS
	ma_logintype	whether or not Verification Required : 1: Turn on Verification 3: Turn off Verification
	ma_username	user
	ma_password	Password
	ma_from	Shipping address
	ma_to	Receiving address
	ma_subject	Mail Subject
	ma_text	Message Text Content
Return	Success: Include Success Error: Include Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setsmtppatr&-ma_server=smtp.sdf.com&-ma_from=sdl@sdf.com&-ma_to=al@sdf.com&-ma_subject=demosubject&-ma_text=demotext&-ma_logintype=1&-ma_username=demo&-ma_password=123456&-ma_port=25&-ma_ssl=0	

param.cgi?cmd=testsmtp

function	test smtp	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=smtp]	
parameter	none	
Return	result	类型 0: Success -1: unknow Error -2: sslError -3: not connection to server -4: user or Password Error
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=testsmtp	

12、SD卡

param.cgi?cmd=sdfmt

function	Format SD card to FAT32 file system
Power	admin
Grammar	/cgi-bin/hi3510/param.cgi?cmd=sdfmt
parameter	none
Return	Format SD Card Success
Note	wait time longer
examples	/cgi-bin/hi3510/param.cgi?cmd=sdfmt

param.cgi?cmd=sdstop

function	Stop use SD card
Power	admin
Grammar	/cgi-bin/hi3510/param.cgi?cmd= sdstop
parameter	none
Return	Stop SD Card Success
Note	Wait time longer
examples	/cgi-bin/hi3510/param.cgi?cmd=sdstop

13、 timing restart

Param.cgi?cmd=gettimerreboot

function	timing reboot	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=gettimerreboot	
parameter	sr_enable	whether or notTurn on timing reboot 0: Turn off、 1: Turn on
	sr_day	week: 0-6(Sunday - Saturday), 7days
	sr_hour	time: 0~23 hours
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi? cmd=gettimerreboot	

Param.cgi?cmd=settimerreboot

function	timing reboot	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=settimerreboot	
parameter	sr_enable	whether or notTurn on timing reboot 0: Turn off、 1: Turn on
	sr_day	week: 0-6(Sunday - Saturday), 7days

	sr_hour	time: 0~23 hours
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi? cmd=settimerreboot&-sr_enable=0	

14、 language sets

param.cgi?cmd=getlanguage

function	get language	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=getlanguage	
parameter	lancode	0: Chinese、 1: English
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi? cmd=getlanguage	

Param.cgi?cmd=setlanguage

function	sets language	
Power	admin	

Grammar	/cgi-bin/hi3510/param.cgi? cmd=getlanguage	
parameter	lancode	0: Chinese、 1: English
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi? cmd=setlanguage&-language=0	

15、 Multichannel sets

param.cgi?cmd=getdevices

function	Multichannel sets	
Power	Admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=getdevices	
parameter	none	
Return	d_host	Device Address
	d_ailas	Device aliases
	d_port	Device port
	d_username	Device Name
	d_password	Device Password
Note	none	
examples	/cgi-bin/hi3510/param.cgi? cmd=getdevices	

Param.cgi?cmd=setdevices

function	Multichannel sets
----------	-------------------

Power	Admin	
Grammar	/cgi-bin/hi3510/param.cgi? cmd=setdevices	
parameter	none	
Return	d_host	Device Address
	d_ailas	Device aliases
	d_port	Device port
	d_username	Device Name
	d_password	Device Password
Note	none	
examples	cgi-bin/hi3510/param.cgi? cmd=setdevices&-d_number=2&-d_host=192.168.1.100	

16、 System sets

param.cgi?cmd=getserverinfo

function	get Device Information	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getserverinfo]	
parameter	none	
Return	model	Device Sequence
	hardVersion	Hardware version
	softVersion	Software version
	webVersion	Web Version
	name	Device Name
	startdate	System start time
	upnpstatus	Upnp status ok: Success off: un-Enable failed: fail
	facddnsstatus	Manufacturer dynamic domain name statusok: Success off: UN-Enable failed: fail
	th3ddnsstatus	third party Dynamic domain name status ok: Success off: UN-Enable failed: fail
	platformstatus	Platform status
	runtimes	Reserved Fields
	sdstatus	SD card status out: none SD card Ready: has sd card Readonly: SD card read-only
sd freespace	The remaining free space size of the SD card, in kilobytes	
sdtotalspace	Total capacity of SD card, in KB	
Note	none	

examples	/cgi-bin/hi3510/param.cgi?cmd=getserverinfo
----------	---

param.cgi?cmd=getdevtype

function	Get Device Type Information	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getdevtype]	
parameter	none	
Return	devtype	Device Type
Note	Some models do not support this attribute. Refer to Appendix I Equipment Type Definitions for details	
examples	/cgi-bin/hi3510/param.cgi?cmd=getdevtype	

param.cgi?cmd=getstreamnum

function	Get the number of real-time video monitoring users	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getstreamnum]	
parameter	none	
Return	stream_num	Limited number of users, for example var stream_num = "1" ;
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getstreamnum	

param.cgi?cmd=getservertime

function	Get system time info	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getservertime]	
parameter	none	
Return	time	current date time, [yyyy][mm][dd][hh][mm][ss] for example time="20110802182638";
	timeZone	time zone, for example timeZone="Asia/Hong_Kong";
	dstmode	whether or not Enable Daylight Saving Time Auto Recall Time: on: Enable off: Turn off
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getservertime	

param.cgi?cmd=setservertime

function	sets系统 time	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setservertime&-time=&-timezone=&-dstmode=]	
parameter	stime	current date time [yyyy].[mm].[dd].[hh].[mm].[ss] for example : 2011.08.23.10.35.08
	timezone	Time zone: for example timeZone="Asia/Hong_Kong";
	dstmode	whether or not Enable Daylight Saving Time Auto Recall Time: on: Valid off: Turn off
Return	Success: Include Success Failed: contains Error	
Note	Daylight Saving Time Auto Recall Time for all	
examples	/c g i - b i n / h i 3 5 1 0 / p a r a m . c g i ? c m d = s e t s e r v e r t i m e & - time=2011.08.23.10.35.08&-timezone=Asia/Hong_Kong&-dstmode=off	

param.cgi?cmd=getntpattr

function	Get NTP parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getntpattr]	
parameter	none	
Return	ntpenable	whether or not Enable NTP: 1: Enable 0: No Enable
	ntpserver	NTP server : (下列之一) time.nist.gov time.kriss.re.kr time.windows.com time.nuri.net
	ntpinterval	Sync Interval
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=getntpattr	

param.cgi?cmd=setntpattr

function	configNTPparameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setntpattr&-ntpenable=&-ntpserver=&-ntpinterval=]	
parameter	ntpenable	whether or not Enable NTP: 1: Enable 0: No Enable
	ntpserver	NTP server : (One of the following is recommended) time.nist.gov time.kriss.re.kr time.windows.com time.nuri.net
	ntpinterval	Synchronization interval: range [1 to 24 hours]
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setntpattr&-ntpenable=1&-ntpinterval=2&-ntpserver=time.nuri.net	

param.cgi?cmd=getcapability

function	Get Equipment capacity parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=getcapability]	
parameter	none	
Return	cap_cvbs	whether or not Enable CVBS: on: Valid off: Turn off
	cap_sd	whether or not Enable SD卡: o on: Valid off: Turn off
	cap_usb	whether or not Enable USB: on: Enable off: No Enable
备注	none	
示例	/cgi-bin/hi3510/param.cgi?cmd=getcapability	

param.cgi?cmd=setcapability

function	Config Equipment capacity parameter	
Power	admin	
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=setcapability&-cap_cvbs=&-cap_sd=&-cap_usb=]	
parameter	cap_cvbs	whether or not Enable CVBS: on: Valid off: Turn off
	cap_sd	whether or not Enable SD卡: on: Valid off: Turn off
	cap_usb	whether or not Enable USB: on: Valid off: Turn off
Return	Success: Include Success Failed: contains Error	
Note	none	
examples	/cgi-bin/hi3510/param.cgi?cmd=setcapability&-cap_cvbs=off&-cap_sd=on&-cap_usb=on	

web/tmpfs/snap.jpg

function	IE Browser Snapshot
Power	admin、 user and guest
Grammar	/web/tmpfs/snap.jpg
parameter	none
Return	snap.jpg
Note	none
examples	/web/tmpfs/snap.jpg

Sysreset.cgi

function	Restore the system to the factory
Power	admin
Grammar	/cgi-bin/hi3510/sysreset.cgi
parameter	none
Return	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/sysreset.cgi

Sysreboot.cgi

function	Restart systme
Power	admin
Grammar	/cgi-bin/hi3510/sysreboot.cgi
parameter	none
Return	Success: Include Success Failed: contains Error
Note	none
examples	/cgi-bin/hi3510/sysreboot.cgi

backup.cgi

function	Backup config
Power	admin
Grammar	/cgi-bin/hi3510/backup.cgi
parameter	none
Return	config_backup.bin
Note	none
examples	/cgi-bin/hi3510/backup.cgi

restore.cgi

function	Restore sets	
Power	admin	
Grammar	/cgi-bin/hi3510/restore.cgi[?-setting_file=]	
parameter	setting_file	File config
Return	none	
Note	This cgi must use the post method to package and send the previously backed up parameterconfig file to ip camera.	
examples	<pre><form name="form6" method="post" enctype="multipart/form-data" action="cgi-bin/hi3510/restore.cgi" > <input type="file" name="setting_file" > <input type="submit" value="restore" > </form></pre>	

upgrade.cgi

function	System upgrade (dangerous, use with caution)	
Power	admin	
Grammar	/cgi-bin/hi3510/upgrade.cgi[?-filename=]	
parameter	filename	Upgrade File Name
Return	none	
Note	This cgi must use the post method to package and send the upgrade file to ip camera.	
examples	<pre><form name="form5" method="post" target="retframe" enctype="multipart/ form-data" action="cgi-bin/hi3510/upgrade.cgi" > <input type="file" name="setting_file" > <input type="submit" value="upgrade" > </form></pre>	

17、 Log

param.cgi?cmd=logsync

function	Get log information
Power	admin
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=logsync]
parameter	none
Return	none
Note	This CGI is to refresh log information. After execution, access the/log/syslog.txtset log content Note: When the device restarts, the log will be automatically reset
examples	/cgi-bin/hi3510/param.cgi?cmd=logsync /log/syslog.txt

param.cgi?cmd=cleanlog

function	DEL log information
Power	admin
Grammar	/cgi-bin/hi3510/param.cgi[?cmd=cleanlog&-name=]
parameter	name DEL log command name: access: log name
Return	Success: Include Success Failed: contains Error
Note	When there are too many logs, you can use this CGIDEL log information
examples	/cgi-bin/hi3510/param.cgi?cmd=cleanlog&-name=sys

18、 appendix

Appendix I Equipment Type Definitions

1. Equipment type

Used to identify the device type. The device functions are the same.
 ASCII code, 32 bytes long.

Each field has 2 bytes. The first byte represents the total field type, and the second field represents the field subtype.

field 3	field 4
LENS	PTZ type
'S'	'Z'

3). LENS field 'S'
 for example 下:

'e'	CMOS 720P	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Wide Dynamic, Night Vision Mode. First code stream: 720P, Q720P Second code stream: Q720P, QQ720P Third code stream: QQ720P Phone image size: Q720P, QQ720P.
'f'	CMOS 720P CMOS 960P	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Wide Dynamic, Night Vision Mode. 720P (First code stream: 720P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.) 960P (First stream: 960P Second stream: VGA, QVGA Third stream: QVGA Phone picture size: VGA, QVGA.)
'g'	CMOS 1080P CMOS 720P	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Wide Dynamic, Night Vision Mode. 1080P (First code stream: 1080P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.) 720P (First code stream: 720P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.)
'h'	CMOS 720P WDR	Brightness (0-6), Saturation (0-6), Contrast (0-8), Chroma (0-255), Sharpness (0-4), Fast Gate (0-3), Wide Dynamic, Night Vision mode. First code stream: 720P, Q720P Second code stream: Q720P, QQ720P Third code stream: QQ720P Phone image size: Q720P, QQ720P.
'i'	CMOS 1080P CMOS 720P	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Wide Dynamic, Night Vision Mode. 1080P (First code stream: 1080P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.) 720P (First code stream: 720P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.)

j	CMOS 1080P CMOS 720P	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Wide Dynamic, Night Vision Mode. 1080P (First code stream: 1080P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.) 720P (First code stream: 720P Second code stream: Q720P, QQ720P Third code stream: QQ720P Mobile phone image size: Q720P, QQ720P.)
k	D1	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Night Vision Mode. First code stream: D1, CIF Second code stream: CIF Third code stream: CIF
SO	CMOS 5M	Brightness (0-100), Saturation (0-255), Contrast (0-100), Chroma (0-100), Sharpness (0-100), Fast Gate (0-65535), Flip Up and Down, Left and Right Mirroring, Night Vision Mode. The first code stream: 2560 * 1920, the second code stream: 800 * 600

4). PTZ field 'Z'
for example 下:

'0'	custom PTZ	Up, down, left, right, up, down cruise, left, right cruise, return to the middle center position, and preset calls (up to 8)". "No support for serial port sets, No support for PT Speed"
'3'	485 PTZ	Up, down, left, right, zoom+, zoom -, preset calls using sets. You can set the s485 port properties.

Appendix II: Time Zone Table

Time Zone Field	Description
Etc/GMT-12	(GMT-12:00) Dateline West
Pacific/Apia	(GMT-11:00) Middle Tuda, Samoa
Pacific/Honolulu	(GMT-10:00) Hawaii
America/Anchorage	(GMT-09:00) Alaska
America/Los_Angeles	(GMT-08:00) Pacific time (US and Canada)
America/Denver	(GMT-07:00) Mountain time (US and Canada)
America/Tegucigalpa	(GMT-07:00) Chihuahua, La Paz, Masatlan
America/Phoenix	(GMT-07:00) Arizona
America/Winnipeg	(GMT-06:00) Saskatchewan
America/Mexico_City	(GMT-06:00) Guadalajara, Mexico City, Monterrey
America/Chicago	(GMT-06:00) Middle Department time (US and Canada)
America/Costa_Rica	(GMT-06:00) Middle America
America/Indianapolis	(GMT-05:00) Indiana (Eastern)
America/New_York	(GMT-05:00) Eastern time (US and Canada)
America/Bogota	(GMT-05:00) Bogota, Lima, Rio Blanco
America/Santiago	(GMT-04:00) San Diego
America/Caracas	(GMT-04:00) La Paz
America/Montreal	(GMT-04:00) Atlantic time (Canada)
America/St_Johns	(GMT-03:30) Newfoundland
America/Thule	(GMT-03:00) Greenland
America/Buenos_Aires	(GMT-03:00) Buenos Aires, Georgetown
America/Sao_Paulo	(GMT-03:00) Brasilia
Atlantic/South_Georgia	(GMT-02:00) Middle Atlantic
Atlantic/Cape_Verde	(GMT-01:00) Cape Verde Islands
Atlantic/Azores	(GMT-01:00) Azores
Europe/Dublin	(GMT) Greenwich Mean Time: Dublin, Edinburgh, London, Lisbon
Africa/Casablanca	(GMT) Casablanca, Monrovia, Reykjavik
Europe/Amsterdam	(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
Europe/Belgrade	(GMT+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague
Europe/Brussels	(GMT+01:00) Brussels, Copenhagen, Madrid, Paris
Europe/Warsaw	(GMT+01:00) Sarajevo, Skopje, Warsaw, Zagreb
Africa/Lagos	(GMT+01:00) Middle Department of West Africa
Europe/Athens	(GMT+02:00) Athens, Istanbul, Minsk

Europe/Bucharest	(GMT+02:00) Bucharest
Africa/Cairo	(GMT+02:00) Cairo
Africa/Harare	(GMT+02:00) Harare, Pretoria
Europe/Helsinki	(GMT+02:00) Helsinki, Kiev, Riga, Sofia, Tallinn, Vilnius
Asia/Jerusalem	(GMT+02:00) Jerusalem
Asia/Baghdad	(GMT+03:00) Baghdad
Asia/Kuwait	(GMT+03:00) Kuwait, Riyadh
Europe/Moscow	(GMT+03:00) Moscow, St. Petersburg, Volgograd
Africa/Nairobi	(GMT+03:00) Nairobi
Asia/Tehran	(GMT+03:30) Tehran
Asia/Dubai	(GMT+04:00) Abu Dhabi, Muscat
Asia/Baku	(GMT+04:00) Baku, Tbilisi, Yerevan
Asia/Kabul	(GMT+04:30) Kabul
Asia/Yekaterinburg	(GMT+05:00) Yekaterinburg
Asia/Karachi	(GMT+05:00) Islamabad, Karachi, Tashkent
Asia/Calcutta	(GMT+05:30) Madras, Calcutta, Mumbai, New Delhi
Asia/Katmandu	(GMT+05:45) Kathmandu
Asia/Almaty	(GMT+06:00) Almaty, Novosibirsk
Asia/Dhaka	(GMT+06:00) Astana, Dhaka
Asia/Colombo	(GMT+06:00) Colombo
Asia/Rangoon	(GMT+06:30) Yangon
Asia/Bangkok	(GMT+07:00) Bangkok, Hanoi, Jakarta
Asia/Krasnoyarsk	(GMT+07:00) Krasnoyarsk
Asia/Hong_Kong	(GMT+08:00) Beijing, Chongqing, Hong Kong Special Administrative Region, Urumqi
Asia/Irkutsk	(GMT+08:00) Irkutsk, Ulaanbaatai
Asia/Kuala_Lumpur	(GMT+08:00) Kuala Lumpur, Singapore
Australia/Perth	(GMT+08:00) Perth
Asia/Taipei	(GMT+08:00) Taipei
Asia/Tokyo	(GMT+09:00) Osaka, Sapporo, Tokyo
Asia/Seoul	(GMT+09:00) Seoul
Asia/Yakutsk	(GMT+09:00) Yakutsk
Australia/Adelaide	(GMT+09:30) Adelaide
Australia/Brisbane	(GMT+10:00) Brisbane
Australia/Sydney	(GMT+10:00) Canberra, Melbourne, Sydney
Pacific/Guam	(GMT+10:00) Guam, Port Moresby
Australia/Hobart	(GMT+10:00) Hobart

Asia/Vladivostok	(GMT+10:00) Vladivostok
Asia/Magadan	(GMT+11:00) Magadissen, Solomon Islands, New Caledonia
Pacific/Auckland	(GMT+12:00) Auckland, Wellington
Pacific/Fiji	(GMT+12:00) Fiji, Kamchatka, Marshall Islands
Pacific/Tongatapu	(GMT+13:00) Nukualofa

19、 Intelligent humanoid

param.cgi?cmd=getsmdattr

function	get Intelligent human recognition	
Power	admin	
Grammar	none	
Note	smd_enable	0-Turn off, 1-Turn on
examples	/cgi-bin/hi3510/param.cgi?cmd=getsmdattr	

param.cgi?cmd=setsmdattr

function	sets Intelligent human recognition	
Power	admin	
Grammar	none	
return	smd_enable	0-Turn off, 1-Turn on
examples	/cgi-bin/hi3510/param.cgi?cmd=setsmdattr&-smd_enable=1	

param.cgi?cmd= getsmdex

function	get Frame a human figure	
Power	admin	
Grammar	none	
Note	smd_rect	0-Turn off, 1-Turn on
examples	/cgi-bin/hi3510/param.cgi?cmd=getsmdex	

param.cgi?cmd= setsmdex

function	sets Frame a human figure	
Power	admin	
Grammar	none	
Note	smd_rect	0-Turn off, 1-Turn on
examples	/cgi-bin/hi3510/param.cgi?cmd=setsmdex&-smd_rect=1	

param.cgi?cmd= getmdalarm

function	get alarm trigger	
Power	admin	
Grammar	none	
Note	md_alarm_type	off- alone trigger , on-linkage trigger
examples	/cgi-bin/hi3510/param.cgi?cmd=getmdalarm&-aname=type	

param.cgi?cmd= setmdalarm

function	sets alarm trigger	
Power	admin	
Grammar	none	
Note	md_alarm_type	off- alone trigger , on-linkage trigger
examples	/cgi-bin/hi3510/param.cgi?cmd=setmdalarm&-aname=type&-switch=on/off	

20、 Night Vision ModeNight Vision Mode

param.cgi?cmd= getlampattrex

function	get Night Vision Mode	
Power	admin	
Grammar	none	
Note	var lamp_mode	0-普通夜视,1-全彩夜视,2-智能夜视
examples	cgi-bin/hi3510/param.cgi?cmd=getlampattrex	

param.cgi?cmd= setlampattrex

function	sets Night Vision Mode	
Power	admin	
Grammar	lamp_mode 0-Normal night vision, 1-Full color night vision, 2-Intelligent night vision	
Note		
examples	cgi-bin/hi3510/param.cgi?cmd=setlampattrex&-lamp_mode=0	

21、 4G

param.cgi?cmd= get4gattr

function	Get 4G Property	
Power	admin	
Grammar	none	
return	var g4_runmode var g4_simcard var g4_status var g4_quality var g4_ver var g4_mcc var g4_mnc var g4_carrier var g4_apn var g4_username var g4_password var g4_authtype	0-auto, 1-manual 1. none, 1-have Status code signal intensity Module Version Country Code Mobile network code Operator Apn, valid in manual mode user Password Authentication Type, Integer, Value Currently No Restrictions

xamples	cgi-bin/hi3510/param.cgi?cmd=get4gattr
---------	--

param.cgi?cmd= set4gattr

function	Sets 4G Property
Power	admin
Grammar	none
Note	
examples	cgi-bin/hi3510/param.cgi?cmd=set4gattr&-g4_runmode=1&-g4_apn=cnet&-g4_username=&-g4_password=&-g4_authtype=0