

IP Camera CGI Application Guide

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Version update description

version	author	modification	Modify the content
1.0	Himmy Ho	2011-07-30	First release
1.1	Franck Zhao	2011-09-08	recension
1.2	Franck Zhao	2012-02-22	1. param.cgi?cmd=getimageattr param.cgi?cmd=setimageattr Add a description of the 53xmk model 2. Request I frame has been added param.cgi?cmd=requestifrm
1.3	Franck Zhao	2012-08-01	1. param.cgi?cmd=chkwirelessattr Added configuration detection wireless parameters 2. param.cgi?cmd=getchkwireless Increased acquisition of detection WIFI results
1.4	Franck Zhao	2018-02-08	recension
			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	recension
			1、 /param.cgi?cmd=getsmdattr 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 Nonee: Add 5M resolution primary sub-stream, intelligent humanoid recognition

Introduction to IP Camera CGI

The cgi listed in this article is a set of http protocol-based interfaces provided by ip camera, and client programs (which can be web pages or other applications running on a web browser) can perform various operations on the device through cgi.

- cgi security certification: Cgi listed below requires security certification when accessing it. And the permissions required for different cgi interfaces vary, with a total of three levels: visitors, operators, and managers. Permissions are determined by the user set up on the device. Specific security authentication mechanisms support two approaches: the Basic security authentication mechanism as set out in the http protocol, and the direct attachment of user names and passwords to the cgi parameters.
- Methods to access cgi: Of all the http methods listed in this article, only get and post are supported, where the upgrade .cgi and restore .cgi only the post methods are supported.

Get example

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

</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 return information, the cgi listed in this article can be divided into two types:

- ✓ Gets the cgi for device status and parameters. If successful, returns text that includes device state or parameters in a format similar to the variable definition in javascript, defining each state or parameter as a variable and returning, 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 is returned, such as: "The error"video attribution error! errcode is0xa10e6008."

- ✓ Set the device parameters or cgi to take action. Such cgi returns text messages that contain the results of the operation, http/1.0 200 OK if successful, and specific error messages if failed, such as: "Error"(Data-Length:91) unrecognized or incomplete command line "Indicates that the parameters that came with cgi are incorrect.

- ✓ cgi can enter the test directly into the browser as follows:

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

You can also include a username and password 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

一、 AV

Param.cgi?cmd=getaudioalarmattr

function	Sound alarm
Permissions	admin
grammar	/cgi-bin/hi3510/param.cgi? cmd=getaudioalarmattr
parameter	None
return	var aa_enable 0:0ff, 1:0n
	Var aa_value volume size
remark	None
example	/cgi-bin/hi3510/param.cgi? cmd=getaudioalarmattr

param.cgi?cmd=getvideoattr

function	Get device video properties, first, second, third stream.video format.encoding.	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getvideoattr]	
parameter	None	
return	videomode	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 51: 960P_VGA_QVGA 52: 960P_QVGA_QVGA 53:VGA_VGA_QVGA 54: VGA_QVGA_QVGA 55: 960P_D1_CIF 56: 960P_CIF_CIF 17: D1_CIF_CIF

		20: CIF_CIF_CIF 101:5M_600P
	vinorm	P: 50Hz(PAL) N: 60Hz(NTSC)
	Profile	0: baseline 1: mainprofile
	var maxchn	The maximum number of channels for the code stream
	wdr=0	0 linear 1 wide dynamic
remark	Nonee: The 720P resolution is 1280x720 The Q720P resolution is 640x352 The QQ720P resolution is 320x176 The 960P resolution is 1280x960 The VGA resolution is 640x480 The QVGA resolution is 320x240 The 1080P resolution is 1920x1080 The D1 resolution is 704x576 The CIF resolution is 352x288 The 5M resolution is 2560x1920 600P resolution 800x600 Nonee: 720P_Q720P-QQ720P: The first stream resolution is 720P,the second stream resolution is Q720P,and the third stream resolution is QQ720P	
example	/cgi-bin/hi3510/param.cgi?cmd=getvideoattr	

param.cgi?cmd=setvideoattr

function	Set the device video properties	
Permissions	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
	videomode	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 51: 960P_VGA_QVGA 52: 960P_QVGA_QVGA 53:VGA_VGA_QVGA 54: VGA_QVGA_QVGA 55: 960P_D1_CIF 56: 960P_CIF_CIF 17: D1_CIF_CIF 20: CIF_CIF_CIF 101:5M_600P
return	wdr=0	0 linear 1 wide dynamic
		Success: Includes Success Failed: Contains Error Nonee: The 720P resolution is 1280x720 The Q720P resolution is 640x352 The QQ720P resolution is 320x176 The 960P resolution is 1280x960 The VGA resolution is 640x480 The QVGA resolution is 320x240 The 1080P resolution is 1920x1080 The D1 resolution is 704x576 The CIF resolution is 352x288 The 5M resolution is 2560x1920 600P resolution 800x600 Nonee: 720P_Q720P :QQ720P: The first stream resolution is 720P,the second stream resolution is Q720P,and the third stream resolution is QQ720P Nonee:

	The return time is long
remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=setvideoattr&-vinorm=N&-profile=1&-videomode=32&-wdr=1

param.cgi?cmd=getfisheyeattr

function	Gets the fisheye parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getfisheyeattr]	
parameter	None	
return	fisheye_flag	0-Off, 1-On
	fisheye_mode	0-suspension, 1-wall
	fisheye_lens	0、 gc2033+K119 1、 h65+H106A 2、 imx323+K104 3、 sc4236+H103A
	fisheye_xcircle	Center X coordinates
	fisheye_ycircle	Center Y coordinates
	fisheye_rcircle	The radius of the circle
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getfisheyeattr	

param.cgi?cmd=setfisheyeattr

function	Set the fisheye parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setfisheyeattr]	
parameter	None	
return	fisheye_flag	0-Off, 1-On
	fisheye_mode	0-suspension, 1-wall
	fisheye_lens	4、 gc2033+K119 5、 h65+H106A 6、 imx323+K104 7、 sc4236+H103A

	fisheye_xcircle	Center X coordinates
	fisheye_ycircle	Center Y coordinates
	fisheye_rcircle	The radius of the circle
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setfisheyeattr&-fisheye_flag=1&-fisheye_mode=0&-fisheye_lens=0	

param.cgi?cmd=getvencattr

function	Gets the device video encoding parameters	
Permissions	admin、 user and guest	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getvencattr &-chn=]	
parameter	chn	Stream No.: 11: First stream 12: Second-rate stream 13: Third-yard stream
return	bps_1,bps_2 or bps_3	Code rate
	fps_1,fps_2 or fps_3	Frame rate
	gop_1,gop_2 or gop_3	The main frame interval
	brmode_1,brmode_2 or brmode_3	Video encoding control: 0: Fixed code rate 1: Variable code rate
	imagegrade_1, imagegrade_2, or imagegrade_3	Video encoding quality
	width_1,width_2 or width_3	The width of the video
	height_1,height_2 or height_3	Video height
remark	None: The suffix is the first stream parameter, the suffix is the second stream parameter, and the suffix is the third-rate flow parameter.	
example	/cgi-bin/hi3510/param.cgi?cmd=getvencattr&-chn=11	

param.cgi?cmd=setvencattr

function	Configure the device video encoding parameters
Permissions	admin

grammar	/cgi-bin/hi3510/param.cgi[?cmd=setvencattr&-chn=&-bps=&-fps=&-brmode=&-imagegrade=&-gop=]	
parameter	chn	Channel number: 11: First stream 12: Second-rate stream 13: Third-yard stream
	bps	Code rate: 720P: Range :32 to 6144 kbps 1080P: Range :32 to 8192 kbps D1: Range s 32 to 2048 kbps CIF: Range s 32 to 512 kbps QCIF:Range s 32 to 256 kbps VGA: Range s 32 to 2048 kbps QVGA:Range s 32 to 512 kbps QQVGA:Range s 32 to 256 kbps 5M(2560 x 1920): Range (32-6144 kbps). 600P(800 x 600): Range (32-2048 kbps).
	fps	Frame rate: PAL format: Range s1 to 25 NTSC format: range s1 to 30
	brmode	Video encoding control: 0: Fixed code rate 1: Variable code rate
	imagegrade	Video encoding quality: range s1 to 6 Nonee: The smaller the value, the better the image quality and the greater the flow control
	gop	Main frame interval: Ranges from 2 to 150
return	Success: Includes Success Failed: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setvencattr&-chn=11&-bps=1536&-fps=25&-brmode=1&-imagegrade=1&-gop=50	
	/cgi-bin/hi3510/param.cgi?cmd=setvencattr&-chn=12&-bps=1536&-fps=25&-brmode=1&-imagegrade=1&-gop=50	
	/cgi-bin/hi3510/param.cgi?cmd=setvencattr&-chn=11&-bps=1536&-fps=25	

param.cgi?cmd=getimageattr

function	Gets the image parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getimageattr]	
parameter	None	
return	brightness	brightness
	saturation	Saturation
	contrast	contrast
	sharpness	Sharpness
	hue	chroma
	targety	Exposure
	gamma	Gamma
	flip	Image flip: on:On Off:Off
	mirror	mirror image: on:On Off:Off
	night	Night mode: on: On Off: Off
	shutter	shutter
	wdr	Wide dynamics: on:On Off:Off
	noise	Noise-cancelling intensity (0-100, at low light).
	gc	Gain, value range of0-4294967295
	aemode	Exposure mode, value range of 0-22 0 for auto, 1 for indoors, and2 for outdoors.
	imgmode	Image-first mode 0: Frame rate first 1: Illumination takes precedence
	display_mode	The current mode 0: Black and white mode 1: Color mode
remark	Different devices parameters, refer to Appendix I device type definition	

example	/cgi-bin/hi3510/param.cgi?cmd=getimageattr
---------	--

param.cgi?cmd=setimageattr

function	Set the image parameters	
Permissions	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	chroma
	targety	Exposure
	gamma	Gamma
	flip	Image flips up and down: on:On Off:Off
	mirror	Image left and right mirroring: on:On Off:Off
	night	Night mode: on: On Off: Off
	shutter	shutter
	wdr	Wide dynamics: on:On Off:Off
	noise	Noise-cancelling intensity (0-100, at low light).
	gc	Gain, value range of0-4294967295
	aemode	Exposure mode, value range of 0-22 0 for auto, 1 for indoors, and2 for outdoors.
	imgmode	Image-first mode 0: Frame rate first 1: Illumination takes precedence
	display_mode	The current mode

		0 for black and white mode and 1 for color mode. (Setting parameters only takes effect in the corresponding current mode.))
return	Success: Includes Success Error: Contains Error	
remark	The different device parameters refer to Appendix I device type definition Image The parameter setting must be in current mode for it to take effect, otherwise the setting is None valid.	
Example	/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	Gets the lens distortion value	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getldcattr]	
parameter	None	
return	ldc_ratio	Distortion values are 0-511
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getldcattr	

param.cgi?cmd=setldcattr

function	Set the Lens Distortion value	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setldcattr&- ldc_ratio =]	
parameter	ldc_ratio	Distortion values are 0-511
return	Success: Contains Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setldcattr&- ldc_ratio=1	

param.cgi?cmd=getircutattr

function	Gets the IRCut switching threshold	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getircutattr]	

parameter	None	
return	saradc_switch_value	IRCut toggle the critical value of 1-1024
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getircutattr	

param.cgi?cmd=setircutattr

function	Set the IRCut switching threshold	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setircutattr&-saradc_switch_value=]	
parameter	saradc_switch_value	IRCut toggle the critical value of 1-1024
return	Success: Contains Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setircutattr&-saradc_switch_value=700	

param.cgi?cmd=getoverlayattr

function	Gets the OSD parameter	
Permissions	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 zone x coordinates
	y_[region]	OSD zone y coordinates
	w_[region]	The OSD area is wide
	h_[region]	The OSD area is high
	show_[region]	Whether the OSD displays 0: Hide 1: Show
	place_[region]	0: Top 1: Bottom
	name_[region]	OSD name
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getoverlayattr&-region=0	

param.cgi?cmd=setoverlayattr

function	Set the OSD parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setoverlayattr&-region=&-show=&-name=&-place=]	
parameter	region	region 0: OSD time zone 1: OSD name area
	show	Whether the OSD displays 0: Hide 1: Show
	place	0: Top 1: Bottom
	name	OSD name, English only. Characters canNone be longer than 16
return	Success: Includes Success Error: Contains Error	
remark	Nonee: Setting the name parameter is None supported region_0 the time OSD zone	
example	/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 the phone picture parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getmobilesnapattr]	
parameter	None	
return	msize	1: The maximum resolution of the second stream 2: Minimum resolution of the second stream
remark	Some devices do None support property modification, refer to Appendix I device type definition in detail	
example	/cgi-bin/hi3510/param.cgi?cmd=getmobilesnapattr	

param.cgi?cmd=setmobilesnapattr

function	Set the phone picture parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setmobilesnapattr&-msize=]	
parameter	msize	1: The maximum resolution of the second stream 2: Minimum resolution of the second stream
return	Success: Includes Success Error: Contains Error	
remark	Some devices do not support property modification, refer to Appendix I device type definition in detail	
example	/cgi-bin/hi3510/param.cgi?cmd=setmobilesnapattr&-msize=1	

param.cgi?cmd=getaencattr

function	Gets the audio encoding parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaencattr&-chn=]	
parameter	chn	Channel number: 11:First stream 12:Second stream 13:Third-rate stream
return	aeswitch_1、aeswitch_2 或 aeswitch_3	Whether to turn on audio encoding 0: Off 1: On
	aeformat_1、aeformat_2 或 aeformat_3	Audio encoding format g711a: G711A 64Kbps g726: G726 16Kbps
remark	1 is the first stream, 2 is the second stream, and 3 is the third stream. Audio has a sample rate of 8K, mono, and 16-bit wide.	
example	/cgi-bin/hi3510/param.cgi?cmd=getaencattr&-chn=11	

param.cgi?cmd=setaencattr

function	Set the audio encoding parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaencattr&-chn=]	

parameter	chn	Channel number: 11:First stream 12:Second stream 13:Third-rate stream
	aeswitch	Whether to turn on audio encoding 0: Off 1: On
	aeformat	Audio encoding format g711a: G711a 64Kbps g726: G726 16Kbps
return	Success: Includes Success Error: Contains Error	
remark	Audio has a sample rate of 8K,mono, and16-bit wide.	
example	/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	Gets the input audio volume	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaudioinvolume]	
parameter	None	
return	Inolume	Volume size (1 -100)
	aec	Echo Offset 0:Off 1:On
	denoise	Noise reduction
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getaudioinvolume	

param.cgi?cmd=setaudioinvolume

function	Set the input audio volume	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaudioinvolume&-volume=]	
parameter	volume	Volume size (1 -100)
return	Success: Contains Sucess	
	Error: Contains Error	

remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=setaudioinvolume&-volume=80

param.cgi?cmd=getaudiooutvolume

function	Gets the output audio volume	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaudiooutvolume]	
parameter	None	
return	ao_volume	Volume size (1 -100)
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getaudiooutvolume	

param.cgi?cmd=setaudiooutvolume

function	Set the output audio volume	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaudiooutvolume&-volume=]	
parameter	volume	Volume size (1 -100)
return	Success: Contains Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setaudiooutvolume&-volume=80	

param.cgi?cmd=getaudioinvolume

function	Gets the input type	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getaudioinvolume]	
parameter	None	
return	volin_type	0: Linear input 1: Mike enters
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getaudioinvolume	

param.cgi?cmd=setaudioinvolume

function	Set the input type	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setaudioinvolume &-volin_type=]	
parameter	volin_type	0: Linear input 1: Mike enters
return	Success: Contains Sucess Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setaudioinvolume &-volin_type=0	

param.cgi?cmd=requestifrm

function	Request the next frame to be a key frame	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=requestifrm&-chn=]	
parameter	chn	11, 12
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=requestifrm&-chn=11	

param.cgi?cmd=requestifrm

function	Request the next frame to be a key frame	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=requestifrm&-chn=]	
parameter	chn	11, 12,13
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=requestifrm&-chn=11	

param.cgi?cmd=getcover

function	Gets the video mask parameter
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Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getcover]	
parameter	None	
return	show_1	Whether to enable Zone One Video Masking: 0: Close 1: Enable
	color_1	Video mask area one color
	x_1	Video masking area one horizontal coordinate
	y_1	Video mask area one ordinate
	w_1	Video mask area one width
	h_1	Video mask area one height
	show_2	Whether to enable Zone 2 video masking: 0: Close 1: Enable
	color_2	Video mask area two colors
	x_2	The video mask area, the two horizontal coordinates
	y_2	The video mask area, the second ordinate
	w_2	Video mask area two widths
	h_2	Video mask area two heights
	show_3	Whether to enable Zone 3 video masking: 0: Close 1: Enable
	color_3	The video mask area is three colors
	x_3	The three-way coordinates of the video masking area
	y_3	The video mask area is three ordinates
	w_3	The video mask area is three widths wide
	h_3	The video mask area is three heights
	show_4	Whether to enable Zone 4 video masking: 0: Close 1: Enable
	color_4	Video mask area four colors
	x_4	The video mask area has four horizontal coordinates
	y_4	Video mask area four ordinates
	w_3	The video mask area is four degrees wide
	h_4	The video mask area is four degrees high
remark	None	

example	/cgi-bin/hi3510/param.cgi?cmd=getcover
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param.cgi?cmd=setcover

function	Set the Video Mask parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setcover&-show=&-region=&-color=&-x=&-y=&-w=&-h=]	
parameter	region	Video masking area:
	show	Whether to enable zone video masking: 0: Close 1: Enable
	color	Video mask area color
	x	The video masks the area horizontal coordinates
	and	The video masks the area ordinates
	in	Video mask area width
	h	The height of the video masking area
return	Success: Contains Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setcover&-show=1&-region=1&-color=FFFFFF&-x=0&-y=0&-w=60&-h=60	

CERT file upload

cert.cgi?-filename

function	File upload	
Permissions	admin	
grammar	/cgi-bin/hi3510/cert.cgi?-filename=cert.pem	
parameter		
return	Success: Includes Success Error: Contains Error	
remark	None	

example	/cgi-bin/hi3510/cert.cgi?-filename=cert.pem
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二、 Infrared and white light control

Param.cgi?cmd=getlampctrl

function	Gets the white light parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getlampctrl]	
parameter	None	
return	var lampstat	Infrared light status auto: Automatic open: Forced on close: Force off
remark	Some models do None support this property. Refer specifically to Appendix I device type definition	
example	/cgi-bin/hi3510/param.cgi?cmd=getlampctrl	

Param.cgi?cmd=setlampctrl

function	Set the white light parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setlampctrl]	
parameter	None	
return	var lampstat	Infrared light status auto: Automatic open: Forced on close: Force off
remark	Some models do None support this property. Refer specifically to Appendix I device type definition	
example	/cgi-bin/hi3510/param.cgi?cmd=setlampctrl&-lampstat=open	

param.cgi?cmd=getinfrared

function	Get the infrared lamp parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getinfrared]	
parameter	None	
return	infraredstat	Infrared light status auto: Automatic open: Forced on close: Force off
remark	Some models do None support this property. Refer specifically to Appendix I device type definition	
example	/cgi-bin/hi3510/param.cgi?cmd=getinfrared	

param.cgi?cmd=setinfrared

function	Set the infrared light parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setinfrared]	
parameter	None	
return	infraredstat	Infrared light status auto: Automatic open: Forced on close: Force off
remark	Some models do None support this property. Refer specifically to Appendix I device type definition	
example	/cgi-bin/hi3510/param.cgi?cmd=setinfrared&-infraredstat=auto	

Third, the network

param.cgi?cmd=getnetattr

function	Gets the device network parameters
Permissions	admin
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getnetattr]

parameter	None	
return	dhcpflag	Whether to enable DHCP: on:Enable Off:Off
	ip	IP address
	netmask	Subnet mask
	gateway	gateway
	dnsstat	DNS status: 0: Set it manually 1: Set automatically
	fdnsip	Preferred DNS
	sdnsip	Alternate DNS
	macaddress	MAC address
	networktype	Network type: LAN:Wired WiFi: Wireless
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getnetattr	

param.cgi?cmd=setnetattr

function	Configure the device LAN network parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setnetattr&-dhcp=&-ipaddr=&-netmask=&-gateway=&-dnsstat=&-fdnsip=&-sdnsip=]	
parameter	dhcp	Whether to enable DHCP: on:Enable Off:Off
	ipaddr	IP address
	netmask	Subnet mask
	gateway	gateway
	dnsstat	DNS status: 0: Set it manually 1: Set automatically
	fdnsip	Preferred DNS
	sdnsip	Alternate DNS
return	Success: Includes Success	

	Error: Contains Error
remark	None
example	/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	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=gethttpport]	
parameter	None	
return	httpport	HTTP port
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=gethttpport	

param.cgi?cmd=sethttpport

function	Configure the HTTP port	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=sethttpport&-httpport=]	
parameter	httpport	HTTP Port: Ranges (80 to65535).
return	Success: Includes Success Error: Contains Error	
remark	When the modification is successful, the device automatically restarts	
example	/cgi-bin/hi3510/param.cgi?cmd=sethttpport&-httpport=80	

param.cgi?cmd=getrtspport

function	Get the RTSP and RTP ports	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrtspport]	
parameter	None	
return	rtspport	RTSP port
	rtpport	RTP port
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getrtspport	

param.cgi?cmd=setrtsport

function	Configure the RTSP and RTP ports	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrtsport&-rtsport=&-rtpport=]	
parameter	rtsport	RTSP port: Range s 80 to 65535
	rtpport	RTP port: Range s 5000 to 8000
return	Success: Includes Success	
	Error: Contains Error	
remark	When the modification is successful, the device automatically restarts	
example	/cgi-bin/hi3510/param.cgi?cmd=setrtsport&-rtsport=554&-rtpport=6600	

param.cgi?cmd=getrtmpattr

function	Get the RTMP port	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrtmpattr]	
parameter	None	
return	rtmpport	RTMP port
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getrtmpattr	

param.cgi?cmd=setrtspport

function	Configure the RTMP port	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrtmpattr&-rtmpport=]	
parameter	rtmpport	RTMP port
return	Success: Includes Success	
	Error: Contains Error	
remark	When the modification is successful, the device automatically restarts	
example	/cgi-bin/hi3510/param.cgi?cmd=setrtmpatt&-rtmpport=1935	

param.cgi?cmd=getrtspauth

function	Gets the RTSP permission check
Permissions	admin

grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrtspauth]	
parameter	None	
return	rtsp_aenable	Whether to turn on RTSP permission check: 0: Close 1: On
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getrtspauth	

param.cgi?cmd=setrtspauth

function	Configure rtSP permission checks	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrtspauth&- rtsp_aenable=]	
parameter	rtsp_aenable	Whether to turn on RTSP permission check: 0: Close 1: On
return	Success: Includes Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted.	
example	/cgi-bin/hi3510/param.cgi?cmd=setrtspauth&-rtsp_aenable=1	

param.cgi?cmd=getinterip

function	Query the native Internet IP address	
Permissions	admin	
grammar	/ cgi-bin/param.cgi?cmd=getinterip	
parameter	None	
return	interip	Internet IP address, such as interip , "220.112.14.173"
remark	None	
example	/cgi-bin/param.cgi?cmd=getinterip	

param.cgi?cmd=getupnpattr

function	Gets the UPNP parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getupnpattr]	
parameter	None	

return	upm_enable	Whether to enable UPNP port mapping: 0: Close 1: Enable
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getupnpattr	

param.cgi?cmd=setupnpattr

function	Set the UPNP parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setupnpattr&-upm_enable=]	
parameter	upm_enable	Whether to enable UPNP port mapping: 0: Close 1: Enable
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setupnpattr&-upm_enable=1	

param.cgi?cmd=getplatformtype

function	Get the platform serial number	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getplatformtype]	
parameter	None	
return	pftype	Platform serial number: 0: hichip 1: Waves 3: TUTK 5: Dana 6: Ojet 8: Sea core
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getplatformtype	

param.cgi?cmd=setplatformtype

function	Set the platform serial number	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setplatformtype&-pftype=]	
parameter	pftype	Platform serial number: 0: hichip 1: Waves 3: TUTK 5: Dana 6: Ojet 8: Sea core
return	Success: Contains Sucess Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setplatformtype&-pftype=0	

param.cgi?cmd=getoplatformattr

function	Gets the hichip platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getoplatformattr]	
parameter	None	
return	op_state	The connection status 1: Go live 0: Offline
	op_enable	Whether the platform connection is on or None 1: On 0: Close
	op_server	The server address
	op_port	port
	op_uname	Login ID
	op_passwd	password
	op_timeout	Time-out time
remark	None	

example	/cgi-bin/hi3510/param.cgi?cmd=getoplatformattr
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param.cgi?cmd=setplatformtype

function	Set the hichip platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?setoplatformattr&-op_enable=&-op_uname=&-op_passwd=&-op_server=&-op_port=&-op_timeout=]	
parameter	op_enable	Whether the platform connection is on or None 1: On 0: Close
	op_server	The server address
	op_port	port
	op_uname	Login ID
	op_passwd	password
	op_timeout	Time-out time
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=setoplatformattr&-op_enable=1 &-op_uname=a&-op_passwd=b&-op_server=192.168.1.26&-op_port=12105&-op_timeout=5	

param.cgi?cmd=getgoolinkattr

function	Gets the Waves platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getgoolinkattr]	
parameter	None	
return	goolink_enable	Whether the platform connection is on or None 1: On 0: Close
	goolink_uid	UID
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getgoolinkattr	

param.cgi?cmd=setgoolinkattr

function	Set the Waves platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?setgoolinkattr&-goolink_enable=&-goolink_uid=]	
parameter	goolink_enable	Whether the platform connection is on or None 1: On 0: Close
	goolink_uid	UID
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=setgoolinkattr&-goolink_enable=1&-goolink_uid=zz08580aa545	

param.cgi?cmd=getp2pattr

function	Get the TUTK parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getp2pattr]	
parameter	None	
return	p2p_enable	Platform connection on: 1: On 0: Close
	p2p_mode	
	p2p_pushaddr	
	p2p_uid	UID
	p2p_server1	Server address 1
	p2p_server2	Server address 2
	p2p_server3	Server address 3
remark	None	
	example	
example	/cgi-bin/hi3510/param.cgi?cmd=getp2pattr	

param.cgi?cmd=setp2pattr

function	Set the TUTK parameters
Permissions	admin

grammar	/cgi-bin/hi3510/param.cgi[?cmd=setp2pattr&-p2p_enable=&-p2p_uid=&-p2p_server1=&-p2p_server2=&-p2p_server3=&-p2p_server4=]	
parameter	p2p_enable	Platform connection on: 1: On 0: Close
	p2p_uid	UID
	p2p_server1	Server address 1
	p2p_server2	Server address 2
	p2p_server3	Server address 3
	p2p_server4	Server address 4
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=setp2pattr&-p2p_enable=1&-p2p_uid=FLCTB5ME9WAF8MPPSFFS&-p2p_server1=50.19.254.134&-p2p_server2=122.248.234.207&-p2p_server3=m2.iotcplatform.com&-p2p_server4=m5.iotcplatform.com&	

param.cgi?cmd=getdanaattr

function	Gets the danale platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getdanaattr]	
parameter	None	
return	dana_enable	Platform Whether the connection is on or None 1: On 0: Close
	dana_server	The server address
	dana_port	port
	dana_sn	Serial number
remark		
example	/cgi-bin/hi3510/param.cgi?cmd=getdanaattr	

param.cgi?cmd= setdanaattr

function	Set the danale platform parameters
----------	------------------------------------

Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setdanaattr&-dana_enable=&-dana_server=&-dana_port =&-dana_sn =]	
parameter	dana_enable	Platform Whether the connection is on or None 1: On 0: Close
	dana_server	The server address
	dana_port	port
	dana_sn	Serial number
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=setdanaattr&-dana_enable=1&-dana_server=svrshp.thingsnic.com&-dana_port=80&-dana_sn=MMDQ7H87CL9DKZWFT	

param.cgi?cmd=getobjattr

function	Get the Ojet platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getobjattr]	
parameter	None	
return	obj_enable	Platform Whether the connection is on or None 1: On 0: Close
	obj_uid	Serial number
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getobjattr	

param.cgi?cmd= setobjattr

function	Set the Ojet platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setobjattr&-obj_enable=&-obj_uid=]	
parameter	obj_enable	Platform Whether the connection is on or None 1: On

		0: Close
	obj_uid	Serial number
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=setobjattr&-obj_enable=1&-obj_uid=ERTDGG3R4FGH	

param.cgi?cmd=gethip2pattr

function	Gets the core platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=gethip2pattr]	
parameter	None	
return	hip2p_enable	Platform Whether the connection is on or None 1: On 0: Close
	hip2p_uid	Serial number
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=gethip2pattr	

param.cgi?cmd=sethip2pattr

function	Set the core platform parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setobjattr&-hip2p_enable =&-hip2p_uid=]	
parameter	hip2p_enable	Platform Whether the connection is on or None 1: On 0: Close
	hip2p_uid	Serial number
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=sethip2pattr&-hip2p_enable=1&-hip2p_uid=ERDBFHSA	

param.cgi?cmd=getonvifattr

function	Gets the onvif parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getonvifattr]	
parameter	None	
return	ov_enable	Whether to turn it on or None 1: On 0: Close
	ov_port	port
	ov_authflag	Whether the permissions are verified 1: Check 0: No verification
	ov_forbitset where ov_snapchn where ov_snapchn where ov_nvctype	0: Time Zone Settings Allow, Image Parameters Settings Allow 1: Time Zone Settings are prohibited, and image parameters are allowed 2: Time Zone setting allows, image parameter setting is prohibited 3: Time Zone Set Prohibited, Image Parameter Set Prohibited
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getonvifattr	

param.cgi?cmd=setonvifattr

function	Set the onvif parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setonvifattr&-ov_enable=&-ov_port=&-ov_authflag=&-ov_forbitset=]	
parameter	ov_enable	Whether to turn it on or None 1: On 0: Close
	ov_port	port
	ov_authflag	Whether the permissions are verified 1: Check 0: No verification

	ov_forbitset	0: Time Zone Setting Allow, Image Parameter Setting Allow 1: Time Zone Settings Are Prohibited, Image Parameters Settings allow 2: Time Zone setting allows, image parameter setting is prohibited 3: Time Zone Set Prohibited, Image Parameter Set Prohibited
return	Success: Contains Success Error: Contains Error	
remark	After the modification is successful, the device needs to be restarted	
example	/cgi-bin/hi3510/param.cgi?cmd=setonvifattr&-ov_enable=1&- ov_port=8080&-ov_authflag=0&-ov_forbitset=0	

4. Wifi wireless

param.cgi?cmd=getwirelessattr

function	Get the wireless parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getwirelessattr]	
parameter	None	
return	wf_enable	Whether to enable wireless 0: Off 1: Enable
	wf_ssid	SSID Up to 32 characters
	wf_auth	Encryption 0: No encryption 1: WEP 2: WPA-PSK 3: WPA2-PSK
	wf_key	The key
	wf_enc	The password type 0: TKIP 1: AES
	wf_mode	How to connect 0: Router mode

	1: Peer-to-peer
remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=getwirelessattr

param.cgi?cmd=setwirelessattr

function	Configure the wireless parameters	
Permissions	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 to enable wireless 0: Off 1: Enable
	wf_ssid	SSID Up to 32 characters
	wf_auth	Encryption 0: No encryption 1: WEP 2: WPA-PSK 3: WPA2-PSK
	wf_key	The key
	wf_enc	The password type 0: TKIP 1: AES
	wf_mode	How to connect 0: Router mode 1: Peer-to-peer
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setwirelessattr&-wf_ssid=linksys&-wf_enable=1&-wf_auth=2&-wf_key=1234567890&-wf_enc=0&-wf_mode=0	

param.cgi?cmd=searchwireless

function	Search for wireless networks
Permissions	admin

grammar	/cgi-bin/hi3510/param.cgi[?cmd=searchwireless]	
parameter	None	
return	inaccess_points	The number of wireless networks searched
	inchannel	passage
	wrssi	Signal strength
	wessid	SSID
	wenc	Encryption
	wauth	How to certify
	wnet	Connection mode (router mode, peer-to-peer mode).
	Nonee: If you have more than one wifi network, i.e. when waccess_points is greater than 1, multiple sets of values for wchannel to wnet fields other than access_points are returned, such as : <pre> var waccess_points="2"; var wchannel=new Array(); var wrssi=new Array(); var wessid=new Array(); var wenc=new Array(); var wauth=new Array(); var wnet=new Array(); inchannel[0]="6" ; wrssi[0]="-82" ; wessid[0]="Fumax wireless"; wenc[0]="AES" ; wauth[0]="WPA(2)-PSK" ; wnet[0]="Infra" ; inchannel[1]="11" ; wrssi[1]="-62" ; wessid[1]="linksys"; wenc[1]="TKIP" ; wauth[1]="WPA(2)-PSK" ; wnet[1]="Infra" ; </pre>	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=searchwireless	

param.cgi?cmd=chkwirelessattr

function	Configure detection wireless parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=chkwirelessattr&-wf_ssid=&-wf_auth=&-wf_key=&-wf_enc=&-wf_mode=]	
	wf_ssid	SSID Up to 32 characters
	wf_auth	Encryption 0: No encryption 1: WEP 2: WPA-PSK 3: WPA2-PSK
	wf_key	The key
	wf_enc	The password type 0: TKIP 1: AES
	wf_mode	How to connect 0: Router mode 1: Peer-to-peer
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/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	Gets the detection WIFI results	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getchkwireless]	
parameter	None	
return	chkres	The test results 0: Failed 1: Success
remark	To perform param .cgi?cmd?chkwirelessattr	
example	/cgi-bin/hi3510/param.cgi?cmd=getchkwireless	

5,DDNS

param.cgi?cmd=getourddnsattr

function	Get the vendor DDNS parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getourddnsattr]	
parameter	None	
return	our_enable	Whether to enable vendor DDNS: 0: Close 1: Enable
	our_serveis	The server address
	our_port	port
	our_uname	The user name
	our_passwd	password
	our_domain	host name
	where out_interval	The interval
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getourddnsattr	

param.cgi?cmd=setourddnsattr

function	Set the vendor DDNS parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setourddnsattr&-our_enable=&-our_server=&-our_port=&-our_uname=&-our_passwd=]	
parameter	our_enable	Whether to enable vendor DDNS: 0: Close 1: Enable
	our_serveis	The server address
	our_port	port
	our_uname	The user name
	our_passwd	password
return	Success: Contains Sucess	
	Error: Contains Error	

remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=setourddnsattr&-our_enable=1 &- our_server=hipcam.org&-our_port=80&-our_uname=user&-our_passwd=user

param.cgi?cmd=get3thddnsattr

function	Gets the third-party DDNS parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=get3thddnsattr]	
parameter	None	
return	d3th_enable	Whether to enable third-party DDNS: 0: Close 1: Enable
	d3th_service	DDNS Service Provider Type: 0: twondns.org 1: 322.org 2: twonddns.us 3: No-ip.com
	d3th_uname	The user name
	d3th_passwd	password
	d3th_domain	host name
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=get3thddnsattr	

param.cgi?cmd=set3thddnsattr

function	Set third-party DDNS parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=set3thddnsattr.&-d3th_enable=&- d3th_service=&-d3th_uname=&-d3th_passwd=&-d3th_domain=]	
parameter	d3th_enable	Whether to enable third-party DDNS: 0: Close 1: Enable
	d3th_service	DDNS Service Provider Type: 0: dyndns.org 1: 3322.org 2: dynddns.us

		3: No-ip.com
	d3th_username	The user name
	d3th_passwd	password
	d3th_domain	host name
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=set3thddnsattr&-d3th_enable=1&- d3th_service=1&-d3th_username=sample&-d3th_passwd=1234&- d3th_domain=sample.dyndns.org	

Sixth, the gim stage control

param.cgi?cmd=getmotorrange

function	Gets the step	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi? cmd=getmotorrange	
parameter	var panrange	level
	var tiltrange	vertical
	var panhome	Center horizontally
	var tilthome	Center vertically
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi? cmd=getmotorrange	

param.cgi?cmd=setmotorrange

function	Gets the step	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=setmotorrange	

parameter	var panrange	level
	var tiltrange	vertical
	var panhome	Center horizontally
	var tilthome	Center vertically
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setmotorrange&-panrange=500	

param.cgi?cmd=ptzctrl

function	Cloud control	
Permissions	admin and user	
grammar	/cgi-bin/hi3510/param.cgi?cmd=ptzctrl.cgi[&-step=&-act=&-speed=]	
parameter	step	Step-by-step: 0: After a single step is performed, the Stop command needs to be issued again to stop 1: Stop automatically after a single step
	act	Control command strings, such as: left:Left right:Right Up:Up Down:Down home:Back to the center point Zoomin: Pull closer zoomout: Pull away focusout: Focus on focusin: Focus in hscan:Horizontal cruise vscan: Vertical cruise Stop:Stop
	speed	Head speed, values range from 1 to 63.
return	Success: Includes Success Error: Contains Error	
remark	The gimdy parameters are different from the different supported models, depending on the Appendix I device type definition	

example	/cgi-bin/hi3510/param.cgi?cmd=ptzctrl&-step=0&-act=left&-speed=45
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param.cgi?cmd=preset

function	Cloudhead Preposition Operation	
Permissions	admin and user	
grammar	/cgi-bin/hi3510/param.cgi?cmd=preset[&-act=&-status=&-number=]	
parameter	act	Action command: goto: Presets set:Set the preset
	status	Presets Operation instructions: 0: Clear 1: Save
	number	Preset serial number
return	Success: Includes Success Error: Contains Error	
remark	The number of presets varies from model to model	
example	/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 the Gimmy parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getmotorattr]	
parameter	None	
return	panspeed	Horizontal speed 0: Fast 1: Medium 2: Slow
	tiltspeed	Vertical speed 0: Fast 1: Medium 2: Slow
	panscan	The number of horizontal cruise laps
	tiltscan	The number of vertical cruise laps
	movehome	The self-test centers

		on:On Off:Off
	ptzalarmmask	Turn off the alarm when the gimm? on:On Off:Off
	light_enable	
	alarmpresetindex	Alarm linkage presets,(1-8).
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getmotorattr	

param.cgi?cmd=setmotorattr

function	Set the Gimmy parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setmotorattr&-panspeed=&-tiltspeed=&-panscan=&-tiltscan=&-movehome=&-ptzalarmmask=&-alarmpresetindex=]	
parameter	panspeed	Horizontal speed 0: Fast 1: Medium 2: Slow
	tiltspeed	Vertical speed 0: Fast 1: Medium 2: Slow
	panscan	The number of horizontal cruise laps
	tiltscan	The number of vertical cruise laps
	movehome	The self-test centers on:On Off:Off
	ptzalarmmask	Turn off the alarm when the gimm? on:On Off:Off
	alarmpresetindex	Alarm linkage presets,(1-8).
return	Success: Contains Sucess Error: Contains Error	
remark	The horizontal speed is the same as the vertical speed value, and the horizontal and vertical cruise lap values are the same.	
example	/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	Gets the PTZ parameter	
Permissions	admin and user	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getptzcomattr]	
parameter	None	
return	protocal	Protocol type: 0:PELCO-D 1: PELCO-P
	address	Address code(0 to 255).
	baud	baud rate
	databit	The data bit
	stopbit	Stop bit
	check	verify: 0: None 1: Odd check 2: Even check 3: Mark 4: Spaces
	speed	velocity
remark	Some models have no secondary properties, please refer to Appendix I device type definition in detail	
example	/cgi-bin/hi3510/param.cgi?cmd=getptzcomattr	

param.cgi?cmd=setptzcomattr

function	Set the PTZ parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setptzcomattr&-protocol=&-address=&-baud=&-databit=&-stopbit=&-check=&-speed=]	
parameter	protocal	Protocol type: 0:PELCO-D 1: PELCO-P
	address	Address code:0 to 255

	baud	baud rate: 1200、2400、4800、9600、19200、38400、57600(one of them).
	databit	Data bits:7,8(one of them).
	stopbit	Stop bits:1,2(one of them).
	check	verify: 0: No checksum 1: Odd check 2: Even check
	Speed	Speed (1-63).
return	Success: Includes Success Error: Contains Error	
remark	Some models do None have this property, please refer to Appendix I device type definition for details	
example	/cgi-bin/hi3510/param.cgi?cmd=setptzcomattr&-protocol=0&-address=1 &-baud=9600&-databit=8&-stopbit=1 &-check=0&-speed=31	

ptzup.cgi

function	Controls the turn of the gimbal upward (for PTZ control when browsing the phone).
Permissions	admin and user
grammar	/cgi-bin/hi3510/ptzup.cgi
parameter	None
return	Success: Includes Success Error: Contains Error
remark	None
example	/cgi-bin/hi3510/ptzup.cgi

ptzdown.cgi

function	Control the head turning downwards (for PTZ control when browsing your phone).
Permissions	admin and user
grammar	/cgi-bin/hi3510/ptzdown.cgi
parameter	None
return	Success: Includes Success

	Error: Contains Error
remark	None
example	/cgi-bin/hi3510/ptzdown.cgi

ptzleft.cgi

function	Controls the turn of the gimbal to the left (for PTZ control when browsing the phone).
Permissions	admin and user
grammar	/cgi-bin/hi3510/ptzleft.cgi
parameter	None
return	Success: Includes Success Error: Contains Error
remark	None
example	/cgi-bin/hi3510/ptzleft.cgi

ptzright.cgi

function	Controls the turn of the gimbal to the right (for PTZ control when browsing the phone).
Permissions	admin and user
grammar	/cgi-bin/hi3510/ptzright.cgi
parameter	None
return	Success: Includes Success Error: Contains Error
remark	None
example	/cgi-bin/hi3510/ptzright.cgi

ptzzoomin.cgi

function	Controls the proximity of the gim panel lens (for PTZ control when browsing the phone).
Permissions	admin and user
grammar	/cgi-bin/hi3510/ptzzoomin.cgi
parameter	None
return	Success: Includes Success Error: Contains Error

remark	None
example	/cgi-bin/hi3510/ptzzoomin.cgi

ptzzoomout.cgi

function	Controls the telescillar lens (PTZ control for mobile browsing).
Permissions	admin and user
grammar	/cgi-bin/hi3510/ptzzoomout.cgi
parameter	None
return	Success: Includes Success Error: Contains Error
remark	None
example	/cgi-bin/hi3510/ptzzoomout.cgi

Seven, mobile detection,I/O alarm

param.cgi?cmd=getmdattr

function	Gets the mobile detection configuration parameters	
Permissions	admin	
grammar	cgi-bin/hi3510/param.cgi[?cmd=getmdattr]	
parameter	None	
return	m1_enable	Whether to enable zone-by-action detection: 0: Close 1: Enable
	m1_x	Zone one horizontal coordinate
	m1_y	Zone one ordinate
	m1_w	Zone one width
	m1_h	Zone 1 Height
	m1_sensitivity	Area one sensitivity
	m1_threshold	Keep field, None used
	m2_enable	Whether to enable Zone 2 motion detection: 0: Close 1: Enable
	m2_x	Zone two horizontal coordinates
	m2_y	Zone 2 ordinate
	m2_w	Area 2 width

	m2_h	Zone 2 height
	m2_sensitivity	Zone 2 sensitivity
	m2_threshold	Keep field, None used
	m3_enable	Whether to enable the zone three-motion detection function: 0: Close 1: Enable
	m3_x	The three horizontal coordinates of the area
	m3_y	The three ordinates of the area
	m3_w	Area three widths
	m3_h	Zone three heights
	m3_sensitivity	Zone three sensitivity
	m3_threshold	Keep field, None used
	m4_enable	Whether to enable Zone Four motion detection: 0: Close 1: Enable
	m4_x	The four horizontal coordinates of the area
	m4_y	The four ordinates of the zone
	m4_w	Area four widths
	m4_h	Zone four heights
	m4_sensitivity	Zone four sensitivity
	m4_threshold	Keep field, None used
remark	Area coordinates and widths are based on the maximum resolution of the device.	
example	/cgi-bin/hi3510/param.cgi?cmd=getmdattr	

param.cgi?cmd=setmdattr

function	Configure the motion detection parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setmdattr&-enable=&-s=&-name=&-x=&-y=&-w=&-h=]	
parameter	enable	Whether to enable mobile detection: 0: Close 1: Enable
	s	Sensitivity: Ranges from 1 to 100
	name	Alarm area: Ranges s1 to 4
	x	Move the horizontal coordinates of the detected area

	and	Move the ordinates of the detection area
	in	Move the detection area width
	h	Move the detection area height
return	Success: Includes Success Error: Contains Error	
remark	Area coordinates and widths are based on the maximum resolution of the device.	
Example	/cgi-bin/hi3510/param.cgi?cmd=setmdattr&-enable=1&-s=50&-name=1&-x=0&-y=0&-w=60&-h=60	

param.cgi?cmd=getioattr

function	Gets the external alarm input parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getioattr]	
parameter	None	
return	I_enable	Whether to enable the external alarm input: 0: Close 1: Enable
	I_flag	External alarm mode: 0: Normally closed 1: Open often
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getioattr	

param.cgi?cmd=setioattr

function	Set the external alarm input parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setioattr &-io_enable=&-io_flag=]	
parameter	io_enable	Whether to enable the external alarm input: 0: Close 1: Enable
	io_flag	External alarm mode: 0: Normally closed 1: Open often
return	Success: Includes Success Error: Contains Error	

remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=setioattr&-io_enable=1&-io_flag=0

param.cgi?cmd=getmdalarm

function	Get alarm linkage status information	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getmdalarm&-aname=]	
parameter	aname	Option name: email:E-mail alarms emailsnap:E-mail alarms and sends pictures Snap:Save pictures to the SD card ftpsnap:Save pictures to the FTP server record:Save the video to the SD card ftprec:Saves video to the FTP server Relay:Relay output
return	md_email_switch	Whether to enable the E-mail alarm function: on:Enable Off:Off
	md_emailsnap_switch	Whether to enable E-mail alarm and send pictures: on:Enable Off:Off
	md_snap_switch	Whether to enable saving pictures to SD cards: on:Enable Off:Off
	md_ftpsnap_switch	Whether to enable saving pictures to FTP servers: on: Enabled Off: Off
	md_record_switch	Whether to enable saving video to SD card: on: Enabled Off: Off
	md_ftprec_switch	Whether to enable saving video to the FTP server: on: Enabled Off: Off
	md_relay_switch	Whether to enable relay output: on: Enabled Off: Off
remark	None	

example	<pre>/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</pre>
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param.cgi?cmd=setmdalarm

function	Configure the alarm linkage parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setmdalarm &-aname=&-switch=]	
parameter	aname	Alarm linkage option name: email:E-mail alarms emailsnap:E-mail alarms and sends pictures Snap:Save pictures to the SD card ftpsnap:Save pictures to the FTP server record:Save the video to the SD card ftprec:Saves video to the FTP server Relay:Relay output
	switch	Alarm linkage option value: on:Enable Off:Off
return	Success: Includes Success Error: Contains Error	
remark	None	
example	<pre>/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</pre>	

param.cgi?cmd=getrelayattr

function	Gets the relay output time when the alarm is connected
Permissions	admin
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getrelayattr]

parameter	None	
return	time	Output time (in seconds), such as var time s"10";
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getrelayattr	

param.cgi?cmd=setrelayattr

function	Set the relay output time when the alarm is connected	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setrelayattr&-time=]	
parameter	time	Output time (in seconds), value range of 5,10,20,30
return	Success: Includes Success Error: Contains Error	
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=setrelayattr&-time=10	

param.cgi?cmd=getalarmsnapattr

function	Get the number of photo snaps	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getalarmsnapattr]	
parameter	None	
return	snap_count	The number of pictures captured
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getalarmsnapattr	

param.cgi?cmd=setalarmsnapattr

function	Set the number of picture snaps	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setalarmsnapattr&-snap_count=]	
parameter	snap_count	Number of picture snaps, value range s1, 2, 3
return	Success: Contains Sucess Error: Contains Error	
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=setalarmsnapattr&-snap_count=2	

param.cgi?cmd=getscheduleex

function	Get the alarm arming time and the timed recording time	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getscheduleex&-ename=]	
parameter	ename	The option name md: Alarm arming plan: Timed recording
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>	Week0: Sunday Week1: Monday Week2: Tuesday Week3: Wednesday Week4: Thursday Week5: Friday Week6: Saturday P: On N: Off
remark	In parameters -week0 to -week6, each parameter has 48 characters, i.e. a 24-hour recording configuration string (24 hours a day is broken down into half an hour as a time period, with the character P or N indicating whether to turn on recording, P on, N off), and time is calculated from zero points	
Example	/cgi-bin/hi3510/param.cgi?cmd=getscheduleex&-ename=md	

param.cgi?cmd=setscheduleex

[illegible]

param.cgi?cmd=getplanrecattr

function	Gets the scheduled recording parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getplanrecattr]	
parameter	None	
return	planrec enable	Whether to turn on recording

		0: Off 1: On
	planrec_time	Video file duration (15-900 seconds)
	planrec_chn	Video code rates 11, 12, 13
	planrec_type	Recording format,0:AVI,1:264
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getplanrecattr	

param.cgi?cmd=setplanrecattr

function	Set the scheduled recording parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setplanrecattr&-planrec_enable=&-planrec_time&-planrec_chn]	
parameter	planrec_enable	Whether to turn on recording 0: Off 1: On
	planrec_time	Video file duration (15-900 seconds)
	planrec_chn	Video code rates 11, 12, 13
return	Success: Contains Success Error: Contains Error	
remark	After the code rate modification is successful, the device will automatically restart	
example	/cgi-bin/hi3510/param.cgi?cmd=setplanrecattr&-planrec_enable=1&-planrec_time=30&-planrec_chn=12	

param.cgi?cmd=relayctrl

function	Turn the relay on or off manually	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=relayctrl&-act=]	
	act	Whether to enable relay function: on:Enable off:Off
return	Success: Includes Success Error: Contains Error	
remark	None	

Example	/cgi-bin/hi3510/param.cgi?cmd=relayctrl&-act=on
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Eight, user management

param.cgi?cmd=getuserattr

function	Get all user information	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getuserattr]	
parameter	None	
return	at_name	The user name
	at_password	The user password
remark	This command returns all user information, such as: <pre>var at_name0="admin"; var at_password0="admin"; var at_name1="user"; var at_password1="user"; var at_name2="guest"; var at_password2="guest";</pre>	
example	/cgi-bin/hi3510/param.cgi?cmd=getuserattr	

param.cgi?cmd=setuserattr

function	Configure user management parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setuserattr&-at_username=&-at_newname=&-at_password =]	
parameter	at_username	Original user name with a maximum character count of 16
	at_newname	The new user name with a maximum character count of 16
	at_password	Password parameter with a maximum character count of 16
return	Success: Includes Success Error: Contains Error	

remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=setuserattr&-at_username=admin&-at_newname=newname&-at_password=admin

param.cgi?cmd=getsetupflag

function	Gets the admin user parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=getsetupflag	
parameter	None	
return	name0	The user name
	password0	password
	authLevel0	Keep the field
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getsetupflag	

param.cgi?cmd=getstreamflag

function	Gets the guest user parameter	
Permissions	guest	
grammar	/cgi-bin/hi3510/ param.cgi?cmd=getstreamflag	
parameter	None	
return	name2	The user name
	password2	password
	authLevel2	Keep the field
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getstreamflag	

param.cgi?cmd=getptzflag

function	Gets the user user parameter	
Permissions	user	
grammar	/cgi-bin/hi3510/param.cgi?cmd=getptzflag	
parameter	None	
return	name1	The user name
	password1	password
	authLevel1	Keep the field

remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=getptzflag

param.cgi?cmd=getuserinfo

function	Get login user information	
Permissions	admin、user 或 guest	
grammar	/cgi-bin/hi3510/param.cgi?cmd=getuserinfo	
parameter	None	
return	name	The user name
	password	password
	authLevel	Permissions 15: admin 3: user 1: guest
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getuserinfo	

Nine, timed capture

param.cgi?cmd=getsnaptimerattrex

function	Gets the timing capture parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getsnaptimerattrex]	
parameter	None	
return	as_snap_enable	Whether to enable timed capture to save pictures to SD card: 0: Close 1: Enable
	as_snap_interval	Intervals in seconds (range:5to 86400).
	as_email_enable	Whether to enable timed capture send pictures to email: 0: Close 1: Enable

	as_email_interval	Intervals in seconds (range:5to 86400).
	as_ftp_enable	Whether to enable timed capture to send pictures to FTP servers: 0: Close 1: Enable
	as_ftp_interval	Intervals in seconds (range:5to 86400).
	as_cloud_enable	Whether to enable timed capture sends pictures to the cloud: Keep field, None used 0: Close 1: Enable
	var_cloud_interval	Intervals, units of seconds (range: 5 to 86400)
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getsnaptimerattrex	

param.cgi?cmd=setsnaptimerattrex

function	Set the timing capture parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setsnaptimerattrex&-as_enable=&-as_interval=&-as_type=]	
parameter	as_enable	Whether to turn on timed snaps: 0: Close 1: Enable
	as_interval	Intervals in seconds (range:5to 86400).
	as_type	The type of linkage Snap: Save pictures to SD card. email: Send a picture to email ftp: Send a picture to the FTP server
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setsnaptimerattrex&-as_enable=1&-as_interval=60&-as_type=snap	

10.FTP

param.cgi?cmd=getftpattr

function	Gets the FTP parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getftpattr]	
parameter	None	
return	ft_server	FTP server address
	ft_port	The server port
	ft_username	The user name
	ft_password	password
	ft_dirname	path
	ft_mode	Passive mode: 0: Close 1: On
	ft_autocreatedir	Auto-create directories: 0: Close 1: On
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getftpattr	

param.cgi?cmd=setftpattr

function	Set the FTP parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getftpattr&-ft_server=&-ft_port=&-ft_username=&-ft_password=&- ft_dirname =&-ft_mode=]	
parameter	ft_server	FTP server address
	ft_port	The server port
	ft_username	The user name
	ft_password	password
	ft_dirname	path
	ft_mode	Passive mode: 0: Close 1: On

	ft_autocreatedir	Auto-create directories: 0: Close 1: On
return	Success: Includes Success Error: Contains Error	
remark	None	
Example	/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	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=testftp]	
parameter	None	
return	result	type 0: Success -1:Unknown error -2:The server could None be connected -3:Wrong username or password -4:Path error
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=testftp	

11 SMTP

param.cgi?cmd=getsmtppatr

function	Gets the SMTP configuration parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getsmtppatr]	
parameter	None	
return	ma_server	SMTP server address
	ma_port	The server port
	ma_ssl	Types of secure connections:

		0: Close 1: SSL 2: TLS 3: STARTTLS
	ma_logintype	Whether verification is required: 1: Turn on verification 3: Turn off validation
	ma_username	The user name
	ma_password	password
	ma_from	The send address
	ma_to	The receiving address
	ma_subject	The subject of the message
	ma_text	The text content of the message
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=setsmtppatr	

param.cgi?cmd=setsmtppatr

function	Set the SMTP parameters	
Permissions	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	SMTP server address
	ma_port	The server port
	ma_ssl	Types of secure connections: 0: Close 1: SSL 2: TLS 3: STARTTLS
	ma_logintype	Whether verification is required: 1: Turn on verification 3: Turn off validation
	ma_username	The user name
	ma_password	password
	ma_from	The send address
	ma_to	The receiving address

	ma_subject	The subject of the message
	ma_text	The text content of the message
return	Success: Includes Success Error: Contains Error	
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=setsmtppatr&-ma_server=smtp.sdf.com&- ma_from=sd1@sdf.com&-ma_to=a1@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	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=smtp]	
parameter	None	
return	result	type 0: Success -1:Unknown error -2:ssl error -3:The server could None be connected -4:Wrong user name or password
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=testsmtp	

12 SD card

param.cgi?cmd=sdfmt

function	Format the SD card as the FAT32 file system	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=sdfmt	
parameter	None	
return	Format SD Card Success	
remark	The wait time is long	
example	/cgi-bin/hi3510/param.cgi?cmd=sdfmt	

param.cgi?cmd=sdstop

function	Stop using the SD card
Permissions	admin
grammar	/cgi-bin/hi3510/param.cgi?cmd= sdstop
parameter	None
return	Stop SD Card Success
remark	The wait time is long
example	/cgi-bin/hi3510/param.cgi?cmd=sdstop

Thirteen, regular restart

Param.cgi?cmd=gettimerreboot

function	Timely restart	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi? cmd=gettimerreboot	
parameter	sr_enable	Whether to turn on a scheduled art 0: Off, 1: On
	sr_day	Weeks: 0-6 (Sunday-Saturday), 7 a.m
	sr_hour	Duration: 0 to 23 hours
return	Success: Includes Success	
	Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi? cmd=gettimerreboot	

Param.cgi?cmd=settimerreboot

function	Timely restart
Permissions	admin

grammar	/cgi-bin/hi3510/param.cgi?cmd=settimerreboot	
parameter	sr_enable	Whether to turn on a scheduled art 0: Off, 1: On
	sr_day	Weeks: 0-6 (Sunday-Saturday), 7 a.m
	sr_hour	Duration: 0 to 23 hours
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi? cmd=settimerreboot&-sr_enable=0	

14. language settings

param.cgi?cmd=getlanguage

function	Get the language	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=getlanguage	
parameter	lancode	0: Chinese,1:English
return	Success: Includes Success Error: Contains Error	
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getlanguage	

Param.cgi?cmd=setlanguage

function	Set the language	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=getlanguage	
parameter	lancode	0: Chinese,1:English

return	Success: Includes Success
	Error: Contains Error
remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=setlanguage&-language=0

Fifteen, multi-way settings

param.cgi?cmd=getdevices

function	Multiple sets	
Permissions	Admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=getdevices	
parameter	None	
return	d_host	The device address
	d_ailas	Device alias
	d_port	The device port
	d_username	The name of the device
	d_password	The device password
remark	None	
example	/cgi-bin/hi3510/param.cgi? cmd=getdevices	

Param.cgi?cmd=setdevices

function	Multiple sets	
Permissions	Admin	
grammar	/cgi-bin/hi3510/param.cgi?cmd=setdevices	
parameter	None	
return	d_host	The device address
	d_ailas	Device alias
	d_port	The device port
	d_username	The name of the device
	d_password	The device password
remark	None	
example	cgi-bin/hi3510/param.cgi?cmd=setdevices&-d_number=2&-	

	d_host=192.168.1.100
--	----------------------

Sixteen, the system set up

param.cgi?cmd=getserverinfo

function	Get device information	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getserverinfo]	
parameter	None	
return	model	The sequence of devices
	hardVersion	The hardware version
	softVersion	The software version
	webVersion	The version of the web page
	name	The name of the device
	startdate	The system starts running time
	upnpstatus	Upnp status ok: Success off: None enabled Failed: Failed
	facddnsstatus	Factory dynamic domain name status ok: Success off: None enabled Failed: Failed
	th3ddnsstatus	Third-party dynamic domain name status ok: Success off: None enabled Failed: Failed
	platformstatus	Platform status
	runtimes	Keep the field
	sdstatus	SD card status out: no sd card Ready: have sd card Readonly:SD card reads only
	sdfreespace	The amount of free space remaining on the SD card in KB
	sdtotalspace	The total capacity of the SD card in KB

remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=getserverinfo

param.cgi?cmd=getdevtype

function	Get device type information	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getdevtype]	
parameter	None	
return	devtype	The type of device
remark	Refer specifically to Appendix I device type definition	
example	/cgi-bin/hi3510/param.cgi?cmd=getdevtype	

param.cgi?cmd=getstreamnum

function	Get the number of users watching live video	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getstreamnum]	
parameter	None	
return	stream_num	Number of online users, such as var stream_nums "1";
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getstreamnum	

param.cgi?cmd=getservertime

function	Get system time information	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getservertime]	
parameter	None	
return	time	The current date time, [yyyy][mm][dd][hh][mm][ss] e.g. time "20110802182638";
	timeZone	Time zones, such as timeZone ,"Asia/Hong_Kong";
	dstmode	Whether to enable daylight saving time auto-adjusting time: on:Enable

	off:Off
remark	None
example	/cgi-bin/hi3510/param.cgi?cmd=getservertime

param.cgi?cmd=setservertime

function	Set the system time	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setservertime&-time=&-timezone=&-dstmode=]	
parameter	Estimates	The current date time [yyyy].[mm]. [dd]. [hh]. [mm]. [ss] For example:2011.08. 23.10.35.08
	timezone	Time zone: e.g. timeZone "Asia/Hong_Kong"; Nonee: For specific field values for time zones, please refer to the Appendix II time zone table .
	dstmode	Whether to enable daylight saving time auto-adjusting time: on:Enable off:Off
return	Success: Includes Success Error: Contains Error	
remark	Daylight saving time auto-adjusting time is None available in all time zones.	
Example	/cgi-bin/hi3510/param.cgi?cmd=setservertime&-time=2011.08. 23.10.35.08&-timezone=Asia%2FHong_Kong&-dstmode=off	

param.cgi?cmd=getntpattr

function	Gets the NTP parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getntpattr]	
parameter	None	
return	ntpenable	Whether to enable NTP: 1: Enable 0: Do None enable
	ntpserver	NTP server: (one of the following). time.nist.gov

		time.kriss.re.kr time.windows.com time.nuri.net
	ntpinterval	Synchronization interval
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getntpattr	

param.cgi?cmd=setntpattr

function	Configure the NTP parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setntpattr&-ntpenable=&-ntpserver=&-ntpinterval=]	
parameter	ntpenable	Whether to enable NTP: 1: Enable 0: Do None enable
	ntpserver	NTP server: (one of the following is recommended). time.nist.gov time.kriss.re.kr time.windows.com time.nuri.net
	ntpinterval	Sync interval: Range s 1 to 24 hours
return	Success: Includes Success Error: Contains Error	
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=setntpattr&-ntpenable=1&-ntpinterval=2&-ntpserver=time.nuri.net	

param.cgi?cmd=getcapability

function	Gets the device capability parameters	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=getcapability]	
parameter	None	
return	cap_cvbs	Whether to enable CVBS: on:Enable off:None enabled

	cap_sd	Whether to enable the SD card: on:Enable off:None enabled
	cap_usb	Usb: on:Enable off:None enabled
remark	None	
example	/cgi-bin/hi3510/param.cgi?cmd=getcapability	

param.cgi?cmd=setcapability

function	Configure the Device Capability parameter	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=setcapability&-cap_cvbs=&-cap_sd=&-cap_usb=]	
parameter	cap_cvbs	Whether to enable CVBS: on:Enable off:None enabled
	cap_sd	Whether to enable the SD card: on:Enable off:None enabled
	cap_usb	Usb: on:Enable off:None enabled
return	Success: Includes Success Error: Contains Error	
remark	None	
Example	/cgi-bin/hi3510/param.cgi?cmd=setcapability&-cap_cvbs=off&-cap_sd=on&-cap_usb=on	

web/tmpfs/snap.jpg

function	IE under the picture
Permissions	admin、 user and guest
grammar	/web/tmpfs/snap.jpg
parameter	None
return	snap.jpg

remark	None
Example	/web/tmpfs/snap.jpg

Sysreset.cgi

function	Restore the system to factory settings
Permissions	admin
grammar	/cgi-bin/hi3510/sysreset.cgi
parameter	None
return	Success: Includes Success Error: Contains Error
remark	None
example	/cgi-bin/hi3510/sysreset.cgi

Sysreboot.cgi

function	Restart the system
Permissions	admin
grammar	/cgi-bin/hi3510/sysreboot.cgi
parameter	None
return	Success: Includes Success Error: Contains Error
remark	None
example	/cgi-bin/hi3510/sysreboot.cgi

backup.cgi

function	Back up configuration data
Permissions	admin
grammar	/cgi-bin/hi3510/backup.cgi
parameter	None
return	config_backup.bin
remark	None
example	/cgi-bin/hi3510/backup.cgi

restore.cgi

function	Restore system settings	
Permissions	admin	
grammar	/cgi-bin/hi3510/restore.cgi[?-setting_file=]	
parameter	setting_file	The system profile path
return	None	
remark	This cgi must use the post method to package previously backed up parameter profiles to ip camera.	
Example	<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, used with caution).	
Permissions	admin	
grammar	/cgi-bin/hi3510/upgrade.cgi[?-filename=]	
parameter	filename	Upgrade the file name
return	None	
remark	This cgi must use the post method to package the upgrade files and send them to ip camera.	
Example	<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>	

Seventeen, logs

param.cgi?cmd= logsync

function	Get log information
Permissions	admin

grammar	/cgi-bin/hi3510/param.cgi[?cmd=logsync]
parameter	None
return	None
remark	This CGI is to refresh the log information. After execution, get the log content by accessing the /log/syslog.txt None: The device restarts and the logs are automatically cleared
example	/cgi-bin/hi3510/param.cgi?cmd=logsync /log/syslog.txt

param.cgi?cmd=cleanlog

function	Clear the log information	
Permissions	admin	
grammar	/cgi-bin/hi3510/param.cgi[?cmd=cleanlog&-name=]	
parameter	name	Clear log command name: Access:The log name
return	Success: Includes Success Error: Contains Error	
remark	You can use this CGI to clear log information when there are too many logs.	
Example	/cgi-bin/hi3510/param.cgi?cmd=cleanlog&-name=sys	

18, Appendix

Appendix I,device type definition

1. The type of device

Used to identify device types, different device features.

ASCII code,32 bytes in length.

2 bytes per field. The first byte represents the total field type and the second field represents the field subtype.

Field 3	Field 4
lens	Cloud table type
'S'	'Z'

3). Lens field 'S'

as follows:

'an	CMOS 720P	Brightness (0-100),	saturation (0-255),contrast (0-
-----	-----------	---------------------	---------------------------------

d'		100),chroma (0-100),sharpness (0-100),shutter (0-65535),flip up and down, left and right mirroring, wide dynamic, night vision mode.First Stream:720P,Q720P Second Stream:Q720P,QQ720P Third Stream:QQ720P Phone picture size:Q720P, QQ720P.
'f'	CMOS 720P CMOS 960P	Brightness (0-100),Saturation (0-255),Contrast (0-100),Chroma (0-100),Sharpness (0-100),Shutter (0-65535),Flip Up AndDown, Left And Right Mirroring, Wide Dynamic, Night Vision Mode. 720P(First Stream: 720P Second Stream: Q720P,QQ720P 3rd Stream:QQ720P Phone Picture Size:Q720P,QQ720P.) 960P(first stream:960P second stream:VGA,QVGA 3rd stream:QVGA mobile 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),Shutter (0-65535),Flip Up AndDown, Left And Right Mirror, Wide Dynamic, Night Vision Mode. 1080P(First Stream:1080P Second Stream:Q720P,QQ720P 3rd Stream:QQ720P Phone Picture Size:Q720P,QQ720P.) 720P(first stream: 720P Second stream: Q720P,QQ720P Third stream:QQ720P mobile phone picture size:Q720P,QQ720P.)
'h'	CMOS 720P WDR	Brightness (0-6),Saturation (0-6),Contrast (0-8),Chroma (0-255),Sharpness (0-4),Shutter (0-3),WideDynamic, Night Vision Mode. First Stream:720P,Q720P Second Stream:Q720P,QQ720P Third Stream:QQ720P Phone picture size:Q720P, QQ720P.
i	CMOS 1080P CMOS 720P	Brightness (0-100),Saturation (0-255),Contrast (0-100),Chroma (0-100),Sharpness (0-100),Shutter (0-65535),Flip Up AndDown, Left And Right Mirror, Wide Dynamic, Night Vision Mode. 1080P(first stream:1080P Second stream:Q720P,QQ720P Third stream:QQ720P mobile phone picture size:Q720P,QQ720P.) 720P(first stream: 720P Second stream: Q720P,QQ720P Third stream:QQ720P mobile phone picture size:Q720P,QQ720P.)
I	CMOS 1080P CMOS 720P	Brightness (0-100),Saturation (0-255),Contrast (0-100),Chroma (0-100),Sharpness (0-100),Shutter (0-65535),Flip Up AndDown, Left And Right Mirror, Wide Dynamic, Night Vision Mode. 1080P(first stream:1080P Second stream:Q720P,QQ720P Third stream:QQ720P mobile phone picture size:Q720P,QQ720P.)

		720P(first stream: 720P Second stream: Q720P,QQ720P Third stream:QQ720P mobile phone picture size:Q720P,QQ720P.)
k	D1	Brightness (0-100),Saturation (0-255),Contrast (0-100),Chroma (0-100),Sharpness (0-100),Shutter (0-65535),Flip Up AndDown, Left And Right Mirror, Night Vision Mode. First stream:D1,CIF Second stream:CIF third stream:CIF Phone picture size:D1.
SO	CMOS 5M	Brightness (0-100),Saturation (0-255),Contrast (0-100),Chroma (0-100),Sharpness (0-100),Shutter (0-65535),Flip Up AndDown, Left And Right Mirror, Night Vision Mode. First-rate flow:2560 x 1920,second-rate stream:800 x 600.

4). The gimm?

as follows:

'0'	Custom gimm?	Up, down, left, right, cruise up and down, cruise left and right, back to center position, preset call (up to 8). Serial port settings are None supported, and cloud speed is None supported
'3'	485 Mop	Up, down, left, right, pull closer, pull far, preset call settings. You can set the 485-port property.

Appendix II,Time Zone Table

The time zone field	illustrate
Etc/GMT-12	(GMT-12:00) West of the Japanese line
Pacific/Apia	(GMT-11:00) Midway Island, Samoa
Pacific/Honolulu	(GMT-10:00) Hawaii
America/Anchorage	(GMT-09:00) Alaska
America/Los_Angeles	(GMT-08:00) Pacific Time (U.S. and Canada).
America/Denver	(GMT-07:00) Mountain time (U.S. and Canada).
America/Tegucigalpa	(GMT-07:00) Chihuahua, La Paz, Mazatlan
America/Phoenix	(GMT-07:00) Arizona
America/Winnipeg	(GMT-06:00) Saskatchewan
America/Mexico_City	(GMT-06:00) Guadalajara, Mexico City, Montreu
America/Chicago	(GMT-06:00) Central Time (U.S. and Canada).
America/Costa_Rica	(GMT-06:00) Central America
America/Indianapolis	(GMT-05:00) Indiana (East).
America/New_York	(GMT-05:00) Eastern Time (U.S. 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) Mid-Atlantic
Atlantic/Cape_Verde	(GMT-01:00) Cape Verde Islands
Atlantic/Azores	(GMT-01:00) Atholl Islands
Europe/Dublin	(GMT) GMT: 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) Central 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) Riyadh, Kuwait
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
Asian/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, Kolkata, 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, Ulaanbaao
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, 东,
Asia/Seoul	(GMT+09:00) Seoul
Asia/Yakutsk	(GMT+09:00) Jakutsk
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) Port Moresby, Guam
Australia/Hobart	(GMT+10:00) Hobart
Asia/Vladivostok	(GMT+10:00) Vladivostok
Asia/Magadan	(GMT+11:00) Magadischen, Solomon Islands, New Caledonia
Pacific/Auckland	(GMT+12:00) Auckland, Wellington
Pacific/Fiji	(GMT+12:00) Fiji, Kamchatka Peninsula, Marshall Islands
Pacific/Tongatapu	(GMT+13:00) Nuku'alofa

Nineteen, intelligent humanoid

param.cgi?cmd=getsmdattr

function	Get intelligent humanoid recognition	
Permissions	admin	
grammar	None	
return	smd_enable	0-Off, 1-On
Example	/cgi-bin/hi3510/param.cgi?cmd=getsmdattr	

param.cgi?cmd=setsmdattr

function	Set up intelligent humanoid recognition	
Permissions	admin	
grammar	None	

return	smd_enable	0-Off, 1-On
Example	/cgi-bin/hi3510/param.cgi?cmd=setsmdattr&-smd_enable=1	

param.cgi?cmd= getsmdex

function	Gets the box to hold the human shape	
Permissions	admin	
grammar	None	
return	smd_rect	0-Off, 1-On
Example	/cgi-bin/hi3510/param.cgi?cmd=getsmdex	

param.cgi?cmd= setsmdex

function	Set the frame to block the human shape	
Permissions	admin	
grammar	None	
return	smd_rect	0-Off, 1-On
Example	/cgi-bin/hi3510/param.cgi?cmd=setsmdex&-smd_rect=1	

param.cgi?cmd= getmdalarm

function	Gets the alarm trigger	
Permissions	admin	
grammar	None	
return	md_alarm_type	Off-trigger, on-joint trigger
Example	/cgi-bin/hi3510/param.cgi?cmd=getmdalarm&-aname=type	

param.cgi?cmd= setmdalarm

function	Set the alarm trigger	
Permissions	admin	
grammar	None	
return	md_alarm_type	Off-trigger, on-joint trigger
Example	/cgi-bin/hi3510/param.cgi?cmd=setmdalarm&-aname=type&-switch=on/off	