

Foscam IPCamera CGI User Guide



Contents

General description	1
AV Function	2
getImageSetting.....	2
setBrightness	2
setContrast	2
setHue	3
setSaturation	3
setSharpness	3
resetImageSetting	4
getMirrorAndFlipSetting.....	4
mirrorVideo	4
flipVideo	5
setPwrFreq	5
getVideoStreamParam.....	5
setVideoStreamParam.....	6
getMainVideoStreamType.....	6
getSubVideoStreamType.....	6
setMainVideoStreamType	7
setSubVideoStreamType.....	7
GetMJStream	8
getOSDSetting.....	8
setOSDSetting	8
getOsdMaskArea.....	9
setOsdMaskArea	9
getMotionDetectConfig	9
setMotionDetectConfig	10
getSnapConfig	12
setSnapConfig	12
snapPicture	13
snapPicture2	13
getRecordList.....	13
getAlarmRecordConfig	14
setAlarmRecordConfig	14
setIOAlarmConfig	14
getIOAlarmConfig.....	15
clearIOAlarmOutput	15
getMultiDevList	16
getMultiDevDetailInfo.....	16
addMultiDev	16
delMultiDev.....	17
User account.....	17
addAccount	17
delAccount.....	18

changePassword	18
changeUserName	18
login	19
logout	19
getSessionList	20
getUserList	20
usrBeatHeart	20
PTZ Control	21
ptzMoveUp	21
ptzMoveDown	21
ptzMoveLeft	21
ptzMoveRight	22
ptzMoveTopLeft	22
ptzMoveTopRight	22
ptzMoveBottomLeft	22
ptzMoveBottomRight	23
ptzStopRun	23
ptzReset	23
getPTZSpeed	24
setPTZSpeed	24
getPTZPresetPointList	24
ptzAddPresetPoint	25
ptzDeletePresetPoint	25
ptzGotoPresetPoint	25
ptzGetCruiseMapList	26
ptzGetCruiseMapInfo	26
ptzSetCruiseMap	26
ptzDelCruiseMap	27
ptzStartCruise	27
ptzStopCruise	27
zoomIn	27
zoomOut	28
zoomStop	28
getZoomSpeed	28
setZoomSpeed	29
setPTZSelfTestMode	29
getPTZSelfTestMode	29
setPTZPrePointForSelfTest	30
getPTZPrePointForSelfTest	30
set485Info	30
get485Info	31
Network	31
getIpInfo	31
setIpInfo	32

refreshWifiList	32
getWifiList	32
setWifiSetting	33
getWifiConfig	34
getPortInfo	35
setPortInfo	35
getUPnPConfig	36
setUPnPConfig	36
getDDNSConfig	36
setDDNSConfig	37
setFtpConfig	37
getFtpConfig	38
testFtpServer	38
getSMTPConfig	38
setSMTPConfig	39
smtpTest	40
Device manage	40
setSystemTime	40
getSystemTime	41
openInfraLed	42
closeInfraLed	42
getInfraLedConfig	43
setInfraLedConfig	43
getDevState	43
getDevName	44
setDevName	45
getDevInfo	45
System	46
rebootSystem	46
restoreToFactorySetting	46
exportConfig	46
ImportConfig	47
FwUpgrade	47
MISC	48
getFirewallConfig	48
setFirewallConfig	48
getLog	48

History

Ver	Auth	Edit date	Changes
1.0.0	XiaoJinsheng	2012-11-21	V1.0.0
1.0.1	Houzhen	2012-12-09	Add the following CGI command to set PT startup position: <ol style="list-style-type: none"> 1) setPTZSelfTestMode 2) getPTZSelfTestMode 3) setPTZPrePointForSelfTest 4) getPTZPrePointForSelfTest
1.0.2	XiaoJinsheng	2013-01-29	<ol style="list-style-type: none"> 1. Add a snap CGI(snapPicture2) which retrun jpeg image data directly but a image url 2. Add MotionJpeg stream support
1.0.3	Houzhen	2013-6-5	Check and Modify CGI command document
1.0.4	Limaike	2013-6-8	CGI command check

General description

- Our device can only support authentication by pass user name or password attached at CGI request string currently.

For example:

`http://192.168.1.2/cgi-bin/CGIProxy.fcgi&usr=admin&pwd=123&cmd=ABC`

- We only support GET and POST method. Only importConfig and fwUpgrade can support POST method.

- The cgi request string must be encode in url format. URL encode rule:

The following chars will not be encoded:

`[A~Z] [a~z] [0~9] + @ * /`

The other chars will be encoded into hex format.

For example:

`http://192.168.1.6:88/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=getIPInfo`

will be encode to:

`http://192.168.1.6:88/cgi-bin/CGIProxy.fcgi?usr%3Dadmin%26pwd%3D%26cmd%3DgetIPInfo`

- cgi execute result

1) We orgnize the cgi execute result as xml format, for example:

```
<CGI_Result>
  <result>0</result>
  <isDHCP>1</isDHCP>
  <ip>192.168.1.8</ip>
  <gate>0.0.0.0</gate>
  <mask>255.255.255.0</mask>
  <dns1>0.0.0.0</dns1>
  <dns2>0.0.0.0</dns2>
</CGI_Result>
```

`<result></result>` means the common execute result

value	mean
0	Success
-1	CGI request string format error
-2	Username or password error
-3	Access deny
-4	CGI execute fail
-5	Timeout
-6	Reserve
-7	Unknown error
-8	Reserve

AV Function

getImageSetting

Function	Get color attribute of video	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getImageSetting	
Param	None	
Return	brightness	0~100
	contrast	0~100
	hue	0~100
	saturation	0~100
	sharpness	0~100
	denoiseLevel	Not use
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getImageSetting&usr=admin&pwd=	

setBrightness

Function	Set brightness of video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setBrightness	
Param	brightness	0~100
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setBrightness&brightness=50&usr=admin&pwd=	

setContrast

Function	Set contrast of video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setContrast	
Param	contrast	0~100
Return	None	
Note		

Example	/cgi-bin/CGIProxy.fcgi?cmd=setContrast&contrast=50&usr=admin&pwd= =
---------	--

setHue

Function	Set hue of video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setHue	
Param	hue	0~100
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setHue&hue=50&usr=admin&pwd=	

setSaturation

Function	Set saturation of video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setSaturation	
Param	saturation	0~100
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setSaturation&saturation=50&usr=admin& pwd=	

setSharpness

Function	Set sharpness of video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setSharpness	
Param	sharpness	0~100
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setSharpness&sharpness=50&usr=admin& pwd=	

resetImageSetting

Function	Reset color parameters to default value
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=resetImageSetting
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=resetImageSetting&usr=admin&pwd=

getMirrorAndFlipSetting

Function	Get mirror and flip attribute of video	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getMirrorAndFlipSetting	
Param	None	
Return	isMirror	0 Not mirred
		1 Mirred
	isFlip	0 Not filpped
		1 Flipped
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getMirrorAndFlipSetting&usr=admin&pwd=	

mirrorVideo

Function	Mirror video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=mirrorVideo	
Param	isMirror	0 Not mirror
		1 Mirror
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=mirrorVideo&usr=admin&pwd=	

flipVideo

Function	Flip video	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=flipVideo	
Param	isFlip	0 Not flip
		1 Flip
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=flipVideo&usr=admin&pwd=	

setPwrFreq

Function	Set power freq of sensor	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setPwrFreq	
Param	freq	0 60HZ
		1 50HZ
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setPwrFreq&freq=0&usr=admin&pwd=	

getVideoStreamParam

Function	Get video stream param	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getVideoStreamParam	
Param	None	
Return	resolutionN	Resolution of stream type N
	bitRateN	Bit rate of stream type N (20480~2097152)
	frameRateN	Frame rate of stream type N
	GOPN	P frames between I frame of stream type N
	isVBRN	Not in use currently
Note	N means streamType [0~3]	
Example	/cgi-bin/CGIProxy.fcgi?cmd=getVideoStreamParam&usr=admin&pwd=	

setVideoStreamParam

Function	Set the video stream param of stream N	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setVideoStreamParam	
Param	streamType	0~3
	resolution	Resolution of stream type N
	bitRate	Bit rate of stream type N (20480~2097152)
	frameRate	Frame rate of stream type N
	GOP	P frames between I frame of stream type N The suggest value is: X * frameRate
	isVBR	Not in use currently
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setVideoStreamParam&streamType=0&resolution=0&bitRate=2097152&frameRate=30&GOP=30&isVBR=0&usr=admin&pwd=	

getMainVideoStreamType

Function	Get the stream type of main stream	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getMainVideoStreamType	
Param	None	
Return	streamType	The stream type 0~3
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getMainVideoStreamType&usr=admin&pwd=	

getSubVideoStreamType

Function	Get the stream type of sub stream	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getSubVideoStreamType	

Param	None	
Return	streamType	The stream type 0~3
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getSubVideoStreamType&usr=admin&pwd= =	

setMainVideoStreamType

Function	Set the stream type of main stream	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setMainVideoStreamType	
Param	streamType	The stream type 0~3
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setMainVideoStreamType&streamType=0&usr=admin&pwd=	

setSubVideoStreamType

Function	Set the stream format of sub stream		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setSubVideoStream 统一		
Param	format	0	H264
		1	MotionJpeg
Return	None		
Note	Our device can only support 2 streams:Main stream for PC access and Sub stream for mobile access, but someone need a MJ stream to embed their camera into a webpage, in this case, we should set sub stream format to Motion Jpeg, and then you can get MJ stream by command: /cgi-bin/CGIStream.cgi?cmd=GetMJStream, but when you login as a sub stream user, the stream data will be same as main stream.		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setSubVideoStreamType&format=0&usr=admin&pwd=		

GetMJStream

Function	Get motion jpeg stream
privilege	visitor
Usage	/cgi-bin/CGIStream.cgi?cmd=GetMJStream
Param	None
Return	Motion jpeg stream data
Note	1) Motion jpeg stream data is returned from http server by a serverpush mode 2) MJ stream is VGA resolution @ 15fps
Example	/cgi-bin/CGIStream.cgi?cmd=GetMJStream&usr=admin&pwd=

getOSDSetting

Function	Get OSD config	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getOSDSetting	
Param	None	
Return	isEnabledTimeStamp	Time stamp will display on screen or not
	isEnabledDevName	Camera name will display on screen or not
	dispPos	OSD display position, currently can only be 0
	isEnabledOSDMask	Is OSD mask effective
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getOSDSetting&usr=admin&pwd=	

setOSDSetting

Function	Set OSD config	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setOSDSetting	
Param	isEnabledTimeStamp	Time stamp will display on screen or not
	isEnabledDevName	Camera name will display on screen or not
	dispPos	OSD display position, currently can only be 0
	isEnabledOSDMask	Is OSD mask effective
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setOSDSetting&isEnabledTimeStamp=1&isEnabledDevName=1&dispPos=0&isEnabledOSDMask=0&usr=admin&pwd=	

getOsdMaskArea

Function	Get OSD mask area info		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getOsdMaskArea		
Param	None		
Return	x1_N	The top left X position of mask N	
	y1_N	The top left Y position of mask N	
	x2_N	The bottom right X position of mask N	
	y2_N	The bottom right Y position of mask N	
Note	Our device can only support 4 mask areas		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getOsdMaskArea&usr=admin&pwd=		

setOsdMaskArea

Function	Set OSD mask area info		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setOsdMaskArea		
param	x1_N	The top left X position of mask N	
	y1_N	The top left Y position of mask N	
	x2_N	The bottom right X position of mask N	
	y2_N	The bottom right Y position of mask N	
Resturn	None		
Note	Our device can only support 4 mask areas		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setOsdMaskArea&x1_0=100&y1_0=100&x2_0=200&y2_0=200&x1_1=0&y1_1=0&x2_1=0&y2_1=0&x1_2=0&y1_2=0&x2_2=0&y2_2=0&x1_3=0&y1_3=0&x2_3=0&y2_3=0&usr=admin&pwd=		

getMotionDetectConfig

Function	Get motion detect config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getMotionDetectConfig		
Param	None		
Return	isEnabled	Is enable motion detect alarm	
	linkage	Motion alarm linkage (bit3 bit2 bit1 bit0)	bit0:Ring bit1:Send mail

			bit2:Snap picture	
			bit3:Record	
	snapInterval	The interval time to snap picture again		
	sensitivity	Motion detect sensitivity	0 : Low	
			1: Normal	
			2: High	
			3: Lower	
		4: Lowest		
triggerInterval	The time of which motion detect alarm can trigger again when a motion detection has happened.			
scheduleN	The motion alarm schedule of one week, N = 0(Monday) ~6(Sunday) For detail, see *1 bellow			
areaN	The area info of row N For detail, see *2 bellow			
Note	<ul style="list-style-type: none"> ·Video region is divided into 10*10 sub areasideo region is divided into 10*10 sub areas ·The min unit of schedule is half an hour 			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getMotionDetectConfig&usr=admin&pwd=			

setMotionDetectConfig

Function	Set motion detect config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setMotionDetectConfig		
Param	isEnabled	Is enable motion detect alarm	
	linkage	Motion alarm linkage (bit3 bit2 bit1 bit0)	bit0:Ring
			bit1:Send mail
			bit2:Snap picture
			bit3:Record
	snapInterval	The interval time to snap picture again	
	sensitivity	Motion detect sensitivity	0 : Low
1: Normal			
2: High			
3: Lower			
	4: Lowest		
triggerInterval	The time of which motion detect alarm		

		can trigger again when a motion detection has happened.
	scheduleN	The motion alarm schedule of one week, N = 0(Monday) ~6(Sunday) For detail, see *1 bellow
	areaN	The area info of row N For detail, see *2 bellow
Return	None	
Note	<ul style="list-style-type: none"> ·Video region is divided into 10*10 sub areas ·The min unit of schedule is half an hour 	
Example	/cgi-bin/CGIProxy.fcgi?cmd=setMotionDetectConfig&isEnabled=1&linkage=16&snapInterval=2&sensitivity=1&triggerInterval=5&schedule0=1024&schedule1=1024&schedule2=1024&schedule3=1024&schedule4=1024&schedule5=1024&schedule6=1024&area0=1024&area1=1024&area2=1024&area3=1024&area4=1024&area5=1024&area6=1024&area7=1024&area8=1024&area9=1024&usr=admin&pwd=	

***1 schedule bitmap**

0	1	2	3	4	5	6	7	...	40	41	42	43	44	45	46	47	Monday
																	Tuesday
																	Wednesday
																	Thursday
																	Friday
																	Saturday
																	Sunday

Each grid of a row presents half of an hour of one day. For example, 40 presents 20:00 ~20:30.

The bit 40 set to "1" means the motion detection is effective between 20:00 to 20:30

***2 area bitmap**

bit0	bit1	bit2	bit3	bit4	bit5	bit6	bit7	bit8	bit9	area0
										area1
										area2
										area3
										area4
										area5
										area6
										area7

area8

area9

The video region is divided into 10*10 sub areas, bit0 above present the first area, when this bit is set to "1", it means motion detection is effective on this area.

getSnapConfig

Function	Get snap config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getSnapSetting		
Param	None		
Return	snapPicQuality	0	Low quality
		1	Normal quality
		2	High quality
	saveLocation	0	Save to sd card
		1	Not in use now
		2	Upload to FTP
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getSnapConfig&usr=admin&pwd=		

setSnapConfig

Function	Set snap config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setSnapSetting		
Param	snapPicQuality	0	Low quality
		1	Normal quality
		2	High quality
	saveLocation	0	Save to sd card
		1	Not in use now
		2	Upload to FTP
Return	None		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setSnapConfig&usr=admin&pwd=&snapPicQuality=1&saveLocation=2		

snapPicture

Function	Manual snap picture
privilege	visitor
Usage	/cgi-bin/CGIProxy.fcgi?cmd=snapPicture
Param	None
Return	We will return a html script directly: <html><body></body></html>
Note	Picture resolution is the same as main stream resolution
Example	/cgi-bin/CGIProxy.fcgi?cmd=snapPicture&usr=admin&pwd=

snapPicture2

Function	Manual snap picture
privilege	visitor
Usage	/cgi-bin/CGIProxy.fcgi?cmd=snapPicture2
Param	None
Return	Jpeg image data
Note	This command will return jpeg image data directly
Example	/cgi-bin/CGIProxy.fcgi?cmd=snapPicture2&usr=admin&pwd=

getRecordList

Function	Get snap config	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getRecordList	
Param	recordPath	Record path
	startTime	Start time for research
	endTime	End time for research
	recordType	Recort type
	startNo	Start no
Return	totalCnt	Total record count
	curCnt	Current record count
	recordN	N(0-9), Record information
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getRecordList&usr=admin&pwd=	

getAlarmRecordConfig

Function	Get alarm record config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getAlarmRecordConfig		
Param	None		
Return	isEnabledPreRecord	Preview record state	
	preRecordSecs	Preview record time	
	alarmRecordSecs	Alarm record time	
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getAlarmRecordConfig&usr=admin&pwd=		

setAlarmRecordConfig

Function	Set alarm record config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setAlarmRecordConfig		
Param	isEnabledPreRecord	Preview record state	
	preRecordSecs	Preview record time	
	alarmRecordSecs	Alarm record time	
Return	Set result(0-success,-1-error)		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setAlarmRecordConfig&usr=admin&pwd=&isEnabledPreRecord=1&preRecordSecs=5&alarmRecordSecs=30		

setIOAlarmConfig

Function	Set IO alarm config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setIOAlarmConfig		
Param	isEnabled	Preview record state	
	linkage	IO alarm linkage	bit0:Ring
			bit1:Send mail
			bit2:Snap picture

			bit3:Record
	alarmLevel	Alarm level	
	snapInterval	Interval for snap picture	
	triggerInterval	Interval for trigger alarm again	
	scheduleN	N(0-6), alarm schedule	
Return	Set result(0-success,-1-error)		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setIOAlarmConfig&usr=admin&pwd=&isEnabled=1&linkage=16&snapInterval=2&alarmLevel=1&triggerInterval=5&schedule0=1024&schedule1=1024&schedule2=1024&schedule3=1024&schedule4=1024&schedule5=1024&schedule6=1024		

getIOAlarmConfig

Function	Get IO alarm config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getIOAlarmConfig		
Param	None		
Return	isEnabled	Preview record state	
	linkage	IO alarm linkage	bit0:Ring
			bit1:Send mail
			bit2:Snap picture
			bit3:Record
	alarmLevel	Alarm level	
	snapInterval	Interval for snap picture	
	triggerInterval	Interval for trigger alarm again	
scheduleN	N(0-6), alarm schedule		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getIOAlarmConfig&usr=admin&pwd=		

clearIOAlarmOutput

Function	Clean IO alarm output		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=clearIOAlarmOutput		
Param	None		

Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=clearIOAlarmOutput&usr=admin&pwd=

getMultiDevList

Function	Get multi device list	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getMultiDevList	
Param	None	
Return	devN	N(0-8), device information
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getMultiDevList&usr=admin&pwd=	

getMultiDevDetailInfo

Function	Get multi device information	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getMultiDevDetailInfo	
Param	chnnl	Channel no
Return	productType	Device type
	ip	Device IP
	port	Web port
	mediaPort	Media port
	userName	User name
	passWord	Password
	devName	Device name
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getMultiDevDetailInfo&usr=admin&pwd=	

addMultiDev

Function	Add multiy device	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=addMultiDev	
Param	chnnl	Channel no
	productType	Device type

	ip	Device Ip
	port	Web port
	mediaPort	Media port
	userName	User name
	passWord	Password
	devName	Device name
Return	Add result(0-success,-1-error)	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=addMultiDev&usr=admin&pwd=&chnnl=2&product Type=H264&ip=192.168.1.3&port=88&mediaPort=88&userName=admin&pass Word=&devName=FI9805W	

delMultiDev

Function	Delete multiy device	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=delMultiDev	
Param	chnnl	Channel no
Return	Delete result(0-success,-1-error)	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=delMultiDev&usr=admin&pwd=&chnnl=2	

User account

addAccount

Function	Add user account			
privilege	admin			
Usage	/cgi-bin/CGIProxy.fcgi?cmd=addAccount			
Param	usrName	user name		
	usrPwd	user password		
	privilege	0	Visitor	
		1	Operator	
2		Administrator		
Return	None			

Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=addAccount&usrName=test&usrPwd=test&privilege=0&usr=admin&pwd=

delAccount

Function	Delete user account	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=delAccount	
Param	usrName	user name
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=delAccount&usrName=test&usr=admin&pwd=	

changePassword

Function	Change password	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=changePassword	
Param	usrName	The user you want to change password
	oldPwd	old password
	newPwd	new password
Return	None	
Note	Admin can change every user's password, visitor and operator can only change their own password	
Example	/cgi-bin/CGIProxy.fcgi?cmd=changePassword&usrName=admin&oldPwd=&newPwd=test&usr=admin&pwd=	

changeUserName

Function	Change user name	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=changeUserName	
Param	usrName	The user you want to change name
	newUsrName	The new user name

Return	None
Note	Admin can change every user's name, visitor and operator can only change their own name
Example	/cgi-bin/CGIProxy.fcgi?cmd=changeUserName&usrName=admin&newUsrName=newname&usr=admin&pwd=

logIn

Function	User log in to camera		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd= logIn		
Param	usrName	User name	
	ip	Access IP	
	groupId	An id use to distinguish different users,can be set to current cpu tick	
Return	logInResult	0	Login success
		-1	Parameter check error
		-2	Exceed max user
		-4	User not exist
		-6	Password error
		-7	Access deny
	privilege	0	Visitor
		1	Operator
		2	Administrator
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=logIn&usrName=admin&ip=192.168.1.12&pwd=&groupId=673982479 &usr=admin&pwd=		

logOut

Function	User log out to camera	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=logOut	
Param	usrName	User name
	ip	Access IP
	groupId	An id use to distinguish different users,can be set to

	current cpu tick
Return	logOutResult
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=logOut&usrName=admin&ip=192.168.1.12&groupId=673982479&usr=admin&pwd=

getSessionList

Function	Get current session list of the camera	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getSessionList	
Param	None	
Return	usrCnt	session count
	usrN	User name of session N
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getSessionList&usr=admin&pwd=	

getUserList

Function	Get user account list of the camera	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getUserList	
Param	None	
Return	usrCnt	User count
	usrN	User name of account N
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getUserList&usr=admin&pwd=	

usrBeatHeart

Function	user checks connection with camera	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=usrBeatHeart	
Param	usrName	User name
	remotelp	Access IP

	groupId	An id use to distinguish different users,can be set to current cpu tick
Return	checkResult(0-success,-1-error)	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=usrBeatHeart&usrName=admin&ip=192.168.1.13 &groupId=673982479&usr=admin&pwd=	

PTZ Control

ptzMoveUp

Function	Move up
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveUp
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveUp&usr=admin&pwd=

ptzMoveDown

Function	Move down
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveDown
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveDown&usr=admin&pwd=

ptzMoveLeft

Function	Move to left
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveLeft
Param	None

Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveLeft&usr=admin&pwd=

ptzMoveRight

Function	Move to right
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveRight
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveRight&usr=admin&pwd=

ptzMoveTopLeft

Function	Move to top left
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopLeft
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopLeft&usr=admin&pwd=

ptzMoveTopRight

Function	Move to top right
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopRight
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveTopRight&usr=admin&pwd=

ptzMoveBottomLeft

Function	Move to bottom left
----------	---------------------

privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomLeft
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomLeft&usr=admin&pwd=

ptzMoveBottomRight

Function	Move to bottom right
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomRight
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzMoveBottomRight&usr=admin&pwd=

ptzStopRun

Function	Stop run PT
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzStopRun
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzStopRun&usr=admin&pwd=

ptzReset

Function	Reset PT to default position
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzReset
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzReset&usr=admin&pwd=

getPTZSpeed

Function	Get the speed of PT		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getPTZSpeed		
Param	None		
Return	speed	0	Very slow
		1	Slow
		2	Normal speed
		3	Fast
		4	Very fast
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getPTZSpeed&usr=admin&pwd=		

setPTZSpeed

Function	Set the speed of PT		
privilege	operator		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setPTZSpeed		
Param	speed	0	Very slow
		1	Slow
		2	Normal speed
		3	Fast
		4	Very fast
Return	None		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setPTZSpeed&usr=admin&pwd=		

getPTZPresetPointList

Function	Get all preset point	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getPTZPresetPointList	
Param	None	
Return	cnt	Current preset point count
	pointN	The name of point N

Note	Our device can support at most 16 preset point We have 4 point default:LeftMost\RightMost\TopMost\BottomMost
Example	/cgi-bin/CGIProxy.fcgi?cmd=getPTZPresetPointList&usr=admin&pwd=

ptzAddPresetPoint

Function	Add preset point
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzAddPresetPoint
Param	name Preset point name
Return	None
Note	The preset point position is current PT position
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzAddPresetPoint&name=test&usr=admin&pwd= =

ptzDeletePresetPoint

Function	Delete preset point by name
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzDeletePresetPoint
Param	name Preset point name
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzDeletePresetPoint&name=test&usr=admin&pwd= wd=

ptzGotoPresetPoint

Function	Goto preset position
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzGotoPresetPoint
Param	name Preset point name
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzGotoPresetPoint&name=test&usr=admin&pwd= =

ptzGetCruiseMapList

Function	Get all cruise map list		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapList		
Param	None		
Return	cnt	Current cruise map point count	
	mapN	The name of map N	
Note	Our device can support at most 8 cruise map We have 2 maps default:Horizontal/Vertical		
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapList&usr=admin&pwd=		

ptzGetCruiseMapInfo

Function	Get the detail info of a cruise map by name		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapInfo		
Param	name	Name of the cruise map	
Return	getResult	0	Success
		-1	Fail
	pointN	The preset point name of this cruise map	
Note	Our device can support at most 8 preset point one cruise map		
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzGetCruiseMapInfo&name=Horizontal&usr=admin&pwd=		

ptzSetCruiseMap

Function	Add a cruise map		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzSetCruiseMap		
Param	name	Name of the cruise map	
	pointN	The name of preset point N	
Return	None		
Note	Our device can support at most 8 preset point one cruise map		
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzSetCruiseMap&name=test&point0=test0&point1=test1&point2=test2&point3=test3&point4=test4&point5=test5&point6=&point		

	t7=&usr=admin&pwd=
--	--------------------

ptzDelCruiseMap

Function	Delete a cruise map	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzDelCruiseMap	
Param	name	Name of the cruise map
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzDelCruiseMap&name=test&usr=admin&pwd=	

ptzStartCruise

Function	Start a specificate cruise	
privilege	operator	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzStartCruise	
Param	mapName	Name of the cruise map
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzStartCruise&mapName=test&usr=admin&pwd=	

ptzStopCruise

Function	Start current cruise	
privilege	operator	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=ptzStopCruise	
Param	None	
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=ptzStopCruise&usr=admin&pwd=	

zoomIn

Function	Zoom in	
privilege	operator	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=zoomIn	

Param	None
Return	None
Note	Only supported by the device has zoom lens
Example	/cgi-bin/CGIProxy.fcgi?cmd=zoomIn&usr=admin&pwd=

zoomOut

Function	Zoom out
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=zoomOut
Param	None
Return	None
Note	Only supported by the device has zoom lens
Example	/cgi-bin/CGIProxy.fcgi?cmd=zoomOut&usr=admin&pwd=

zoomStop

Function	Stop zoom run
privilege	operator
Usage	/cgi-bin/CGIProxy.fcgi?cmd=zoomStop
Param	None
Return	None
Note	Only supported by the device has zoom lens
Example	/cgi-bin/CGIProxy.fcgi?cmd=zoomStop&usr=admin&pwd=

getZoomSpeed

Function	Get the speed of Zoom		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getZoomSpeed		
Param	None		
Return	speed	0	Slow
		1	Normal
		2	Fast
Note	Only supported by the device has zoom lens		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getZoomSpeed&usr=admin&pwd=		

setZoomSpeed

Function	Set the speed of PTZ		
privilege	operator		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setZoomSpeed		
Param	speed	0	Slow
		1	Normal
		2	Fast
Return	None		
Note	Only supported by the device has zoom lens		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setZoomSpeed&usr=admin&pwd=&speed=1		

setPTZSelfTestMode

Function	Set the selftest mode of PTZ		
privilege	operator		
Usage	/cgi-bin/CGIProxy.fcgi?cmd= setPTZSelfTestMode		
Param	mode	0	No selftest
		1	Normal selftest
		2	After normal selftest, then goto presetpoint-appointed
Return	None		
Note	Only supported by ipc that can enable ptz-selftest		
Example	/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=setPTZSelfTestMode&mode=2		

getPTZSelfTestMode

Function	Get the selftest mode of PTZ		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd= getPTZSelfTestMode		
Param	None		
Return	mode	0	No selftest
		1	Normal selftest
		2	After normal selftest, then goto presetpoint-appointed
Return	None		

Note	Only supported by ipc that can enable ptz-selftest
Example	/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=getPTZSelfTestMode

setPTZPrePointForSelfTest

Function	Set presetpoint for selftest of PTZ	
privilege	operator	
Usage	/cgi-bin/CGIProxy.fcgi?cmd= setPTZPrePointForSelfTest	
Param	name	Preset point name
Return	None	
Note	Only supported by ipc that can enable ptz-selftest-2	
Example	/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=setPTZPrePointForSelfTest&name=TopMost	

getPTZPrePointForSelfTest

Function	Get the presetpoint for selftest of PTZ	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd= getPTZPrePointForSelfTest	
Param	None	
Return	name	Preset point name
Note	Only supported by ipc that can enable ptz-selftest	
Example	/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=getPTZPrePointForSelfTest	

set485Info

Function	Set informations of 485	
privilege	operator	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=set485Info	
Param	rs485Protocol	Protocol
	rs485Addr	Address
	rs485Baud	Baud rate
	rs485DataBit	DataBit
	rs485StopBit	StopBit
	rs485Check	Parity
Return	None	

Note	Only supported by ipc that can enable 485
Example	/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=set485Info&rs485Protocol=0&rs485Addr=1&rs485Baud=1200&rs485DataBit=7&rs485StopBit=1&rs485Check=0

get485Info

Function	Get informations of 485	
privilege	Visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=get485Info	
Param	None	
Return	rs485Protocol	Protocol
	rs485Addr	Address
	rs485Baud	Baud rate
	rs485DataBit	DataBit
	rs485StopBit	StopBit
	rs485Check	Parity
Note	Only supported by ipc that can enable 485	
Example	/cgi-bin/CGIProxy.fcgi?usr=admin&pwd=&cmd=get485Info	

Network

getIPInfo

Function	Get IP Info	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getIPInfo	
Param	None	
Return	isDHCP	Obtain ip from dhcp server or not
	ip	ip address(Can only support ipv4 yet)
	gate	gateway("0.0.0.0" when use dhcp)
	mask	subnet mask
	dns1	The first dns server addr("0.0.0.0" when use dhcp)
	dns2	The second dns server addr("0.0.0.0" when use dhcp)
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getIPInfo&usr=admin&pwd=	

setIpInfo

Function	Set IP Info	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setIpInfo	
Param	isDHCP	Obtain ip from dhcp server or not
	ip	ip address(Can only support ipv4 yet)
	gate	gateway
	mask	subnet mask
	dns1	The first dns server addr
	dns2	The second dns server addr
Return	None	
Note	System will reboot automatically to take effect after call this CGI command	
Example	/cgi-bin/CGIProxy.fcgi?cmd=setIpInfo&isDHCP=0&ip=192.168.1.88&gate=192.168.1.1&mask=255.255.255.0&dns1=192.168.1.1&dns2=192.168.1.1&usr=admin&pwd=	

refreshWifiList

Function	Start scan the aps around	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=refreshWifiList	
Param	None	
Return	None	
Note	This operation may takes a while, about 20 seconds or above, the other operation on this device will be blocked during the period.	
Example	/cgi-bin/CGIProxy.fcgi?cmd=refreshWifiList&usr=admin&pwd=	

getWifiList

Function	Get the aps around after refreshWifiList	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getWifiList	
Param	startNo	The start NO of the ap list you want to get. For example:The are 30 aps around you, you want to look at the last ten aps, then startNo=20
	totalCnt	Total count of aps

	curCnt	Current aps count			
	apN	The detail info of ap N Format: ssid+mac+quality+isEncrypt+encryptType	ssid	AP name	
			mac	AP's mac address	
			quality	Signal quality(0~100)	
			isEncrypt	Encrypt or not	
			encryptType	0	Open mode
				1	WEP
	2	WPA			
	3	WPA2			
		4	WPA/WPA2		
Note	Only 10 aps will be returned one time				
Example	/cgi-bin/CGIProxy.fcgi?cmd=getWifiList&startNo=0&usr=admin&pwd=				

setWifiSetting

Function	Set wifi config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setWifiSetting		
Param	isEnabled	Enable state	
	isUseWifi	Use wifi or not	
	ssid	AP name	
	netType	0	Infra net
		1	Ad-hoc Not supported yet
	encryptType	0	Open mode
		1	WEP
		2	WPA
		3	WPA2
		4	WPA/WPA2
	psk	The psk of WPA WPA2	
	authMode	0	Open mode
		1	Shared key
		2	Auto mode
	keyFormat	0	ASIC
1		Hex	
defaultKey	1~4		
key1			
key2			

	key3	
	key4	
	key1Len	64 or 128
	key2Len	64 or 128
	key3Len	64 or 128
	key4Len	64 or 128
Return	None	
Note	Camera will not connect to AP unless you enject your cable	
Example	/cgi-bin/CGIProxy.fcgi?cmd=setWifiSetting&isEnabled=1&isUseWifi=1&ssid=fostar_soft&netType=0&encryptType=4&psk=software&authMode=0&keyFormat=0&defaultKey=1&key1=&key2=&key3=&key4=&key1Len=64&key2Len=64&key3Len=64&key4Len=64&usr=admin&pwd=	

getWifiConfig

Function	Get wifi config		
privilege	Visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getWifiConfig		
Param	None		
Return	isEnabled	Enable state	
	isUseWifi	Use wifi or not	
	isConnected	Connected state	
	connectedAp	Connected ap	
	ssid	AP name	
	encryptType	0	Open mode
		1	WEP
		2	WPA
		3	WPA2
		4	WPA/WPA2
	psk	The psk of WPA WPA2	
	authMode	0	Open mode
		1	Shared key
		2	Auto mode
keyFormat	0	ASIC	
	1	Hex	

	defaultKey	1~4
	key1	
	key2	
	key3	
	key4	
	key1Len	64 or 128
	key2Len	64 or 128
	key3Len	64 or 128
	key4Len	64 or 128
Return	None	
Note	Camera will not connect to AP unless you enject your cable	
Example	/cgi-bin/CGIProxy.fcgi?cmd=getWifiConfig&usr=admin&pwd=	

getPortInfo

Function	Get http port and media port of camera	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getPortInfo	
Param	None	
Return	webPort	http port(default value is 88)
	httpsPort	https port(default value is 443)
	mediaPort	media port(default value is 88)
Note	You can call this CGI command without usr or pwd section	
Example	/cgi-bin/CGIProxy.fcgi?cmd=getPortInfo&usr=admin&pwd=	

setPortInfo

Function	Set http port and media port of camera	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getPortInfo	
Param	webPort	http port(default value is 88)
	mediaPort	media port(default value is 88)
	httpsPort	https port(default value is 443)
Return	None	
Note	Re login is needed after call this CGI command	
Example	/cgi-bin/CGIProxy.fcgi?cmd=setPortInfo&webPort=88&mediaPort=88&httpsPort=443&usr=admin&pwd=	

getUPnPConfig

Function	Get UpnP config	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getUPnPConfig	
Param	None	
Return	isEnabled	is Enable UpnP function
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getUPnPConfig&usr=admin&pwd=	

setUPnPConfig

Function	Set UpnP config	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setUPnPConfig	
Param	isEnabled	is Enable UpnP function
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setUPnPConfig&isEnabled=1&usr=admin&pwd=	

getDDNSConfig

Function	Get DDNS config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getDDNSConfig		
Param	None		
Return	isEnabled	is Enable DDNS update	
	hostName	DDNS domain	
	ddnsServer	0	Factory DDNS
		1	Oray
		2	3322
		3	no-ip
		4	dyndns
	user	user name	
	password	password	
factoryDDNS	factory ddns		
Note			

Example	/cgi-bin/CGIProxy.fcgi?cmd=getDDNSConfig&usr=admin&pwd=
---------	---

setDDNSConfig

Function	Set DDNS config			
privilege	admin			
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setDDNSConfig			
Param	isEnabled	is Enable DDNS update		
	hostName	DDNS domain		
	ddnsServer	0	Factory DDNS	
		1	Oray	
		2	3322	
		3	no-ip	
		4	dyndns	
	user	user name		
password	password			
Return	None			
Note	This command can only be used to set the third party ddns			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setDDNSConfig&isEnabled=1&hostName=test.dyn dns.org&ddnsServer=4&user=test&password=test&usr=admin&pwd=			

setFtpConfig

Function	Set FTP config			
privilege	admin			
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setFtpConfig			
Param	ftpAddr	FTP server address, you can contain sub directory in it		
	ftpPort	FTP port		
	mode	0	PASV mode	
		1	PORT mode	
	userName	user name		
	password	password		
Return	None			
Note				
Example	/cgi-bin/CGIProxy.fcgi?cmd=setFtpConfig&ftpAddr=ftp://192.168.1.2/sbuDir&ft pPort=21&mode=0&userName=test&password=test&usr=admin&pwd=			

getFtpConfig

Function	Get FTP config			
privilege	visitor			
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getFtpConfig			
Param	None			
Param	ftpAddr	FTP server address, you can contain sub directory in it		
	ftpPort	FTP port		
	mode	0	PASV mode	
		1	PORT mode	
	userName	user name		
	password	password		
Note				
Example	/cgi-bin/CGIProxy.fcgi?cmd=getFtpConfig&usr=admin&pwd=			

testFtpServer

Function	Test FTP server			
privilege	visitor			
Usage	/cgi-bin/CGIProxy.fcgi?cmd=testFtpServer			
Param	ftpAddr	FTP server address, you can contain sub directory in it		
	ftpPort	FTP port		
	mode	0	PASV mode	
		1	PORT mode	
	userName	user name		
	password	password		
Return	testResult	0	Success	
		-1	Fail	
Note				
Example	/cgi-bin/CGIProxy.fcgi?cmd=testFtpServer&ftpAddr=ftp://192.168.1.2/sbuDir&ftpPort=21&mode=0&userName=test&password=test&usr=admin&pwd=			

getSMTPConfig

Function	Get mail config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getSMTPConfig		

Param	None		
Return	isEnabled	is enable camera send mail?	
	server	SMTP server address	
	port	smtp port	
	isNeedAuth	Need auth user account or not	
	tls	0	None
		1	TLS
		2	STARTTLS
	user	user name	
	password	password	
	sender		
reciever	Use “,” between 2 senders, for exapler: aaa@123.com,bbb@456.com		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getSMTPConfig&usr=admin&pwd=		

setSMTPConfig

Function	Get mail config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setSMTPConfig		
Param	isEnabled	is enable camera send mail?	
	server	SMTP server address	
	port	smtp port	
	isNeedAuth	Need auth user account or not	
	tls	0	None
		1	TLS
		2	STARTTLS
	user	user name	
	password	password	
	sender		
reciever	Use “,” between 2 senders, for exapler: aaa@123.com,bbb@456.com		
Return	None		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setSMTPConfig&isEnabled=1&server=smtp.gmail.com&port=587&isNeedAuth=1&user=test&password=test&send=test@gmail.c		

	om&reciever=aa@123.com,bb@456.com&usr=admin&pwd=
--	--

smtpTest

Function	Test mail setting		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=smtpTest		
	smtpServer	SMTP server address	
	port	smtp port	
	isNeedAuth	Need auth user account or not	
	tls	0	None
		1	TLS
		2	STARTTLS
	user	user name	
password	password		
Return	testResult	0	Success
		-1	Fail
Note	You must call setSMTPConfig firstly. We will send a test mail to all recievers		
Example	/cgi-bin/CGIProxy.fcgi?cmd=smtpTest&smtpServer=smtp.gmail.com&port=587 &isNeedAuth=1&user=test&password=test&usr=admin&pwd=		

Device manage

setSystemTime

Function	Set system time		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setSystemTime		
Param	timeSource	0	Get time from NTP server
		1	Set time manually
	ntpServer	ntp server addr Support ntp server: time.nist.gov time.kriss.re.kr time.windows.com time.nuri.net	

	dateFormat	0	YYYY-MM-DD
		1	DD/MM/YYYY
		2	MM/DD/YYYY
	timeFormat	0	12 hours
		1	24 hours
	timeZone	The seconds between local time and GMT time. For example: timeZone=3600 presents GMT-01:00 timeZone=-3600 presents GMT+01:00	
	isDst	Daylight saving time (0-disable,1-enable)	
	dst	Not in use currently	
	year		
	month		
	day		
	hour		
	min		
sec			
Return	None		
Note	This command can only be used to set the third party ddns		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setSystemTime&timeSource=1&ntpServer=&dateFormat=0&timeFormat=0&timeZone=0&isDst=0&dst=0&year=2012&mon=1&day=6&hour=9&minute=35&sec=0&usr=admin&pwd=		

getSystemTime

Function	Get system time		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getSystemTime		
Param	None		
Return	timeSource	0	Get time from NTP server
		1	Set time manually
	ntpServer	ntp server addr Support ntp server: time.nist.gov time.kriss.re.kr time.windows.com time.nuri.net	
	dateFormat	0	YYYY-MM-DD
		1	DD/MM/YYYY
		2	MM/DD/YYYY

	timeFormat	0	12 hours
		1	24 hours
	timeZone	The seconds between local time and GMT time. For example: timeZone=3600 presents GMT-01:00 timeZone=-3600 presents GMT+01:00	
	isDst	Daylight saving time (0-disable,1-enable)	
	dst	Not in use currently	
	year		
	month		
	day		
	hour		
	min		
	sec		
	Note	This command can only be used to set the third party ddns	
Example	/cgi-bin/CGIProxy.fcgi?cmd=getSystemTime&usr=admin&pwd=		

openInfraLed

Function	Force open infra led		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=openInfraLed		
Param	None		
Return	ctrlResult	0	Success
		-1	Fail
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=openInfraLed&usr=admin&pwd=		

closeInfraLed

Function	Force close infra led		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=closeInfraLed		
Param	None		
Return	ctrlResult	0	Success
		-1	Fail
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=closeInfraLed&usr=admin&pwd=		

getInfraLedConfig

Function	Get infra led config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getInfraLedConfig		
Param	None		
Return	mode	0	Auto mode
		1	Manual mode
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getInfraLedConfig&usr=admin&pwd=		

setInfraLedConfig

Function	Set infra led config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setInfraLedConfig&mode=0		
Param	mode	0	Auto mode
		1	Manual mode
Return	None		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setInfraLedConfig&usr=admin&pwd=		

getDevState

Function	Get all device state		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getDevState		
Param	None		
Return	IOAlarm	0	Disabled
		1	No alarm
		2	Detect alarm
	motionDetectAlarm	0	Disabled
		1	No alarm
		2	Detect alarm
	soundAlarm	0	Disabled

		1	No alarm
		2	Detect alarm
	record	0	Not in recording
		1	Recording
	sdState	0	No sd card
		1	Sd card ok
		2	Sd card read only
	sdFreeSpace	Free space of sd card by unit of k	
	sdTotalSpace	Total space of sd card by unit of k	
	ntpState	0	Disabled
		1	Update success
		2	Update fail
	ddnspState	0	Disabled
		1	Update success
		2	Update fail
	url	DDNS url	
	upnpState	0	Disabled
		1	Update success
		2	Update fail
	isWifiConnected	0	No wifi connected
		1	Connected
	wifiConnectedAP	The ssid of the ap which has been connected	
	infraLedState	0	OFF
		1	ON
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getDevState&usr=admin&pwd=		

getDevName

Function	Get camera name	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getDevName	
Param	None	
Return	devName	Camera name
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getDevName&usr=admin&pwd=	

setDevName

Function	Set camera name	
privilege	admin	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setDevName	
Param	devName	Camera name
Return	None	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=setDevName&devName=test&usr=admin&pwd=	

getDevInfo

Function	Get camera information	
privilege	visitor	
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getDevInfo	
Param	None	
Return	productName	Camera model
	serialNo	Serial no
	devName	Camera name
	mac	Mac address
	year	
	mon	
	day	
	hour	
	min	
	sec	
	timeZone	Time zone
	firmwareVer	Firmware version
hardwareVer	Hardware version	
Note		
Example	/cgi-bin/CGIProxy.fcgi?cmd=getDevInfo&usr=admin&pwd=	

System

rebootSystem

Function	Reboot camera
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=rebootSystem
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd=rebootSystem&usr=admin&pwd=

restoreToFactorySetting

Function	Restore to factory setting
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=restoreToFactorySetting
Param	None
Return	None
Note	
Example	/cgi-bin/CGIProxy.fcgi?cmd= restoreToFactorySetting&usr=admin&pwd=

exportConfig

Function	Export config file
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=exportConfig
Param	None
Return	fileName The config name
Note	After call this command, you can get the config file by visit the following addr: /configs/export/configs.bin
Example	/cgi-bin/CGIProxy.fcgi?cmd=exportConfig&usr=admin&pwd=

ImportConfig

Function	Import config file
privilege	admin
Usage	/cgi-bin/CGIProxy.fcgi?cmd=importConfig&usr=admin&pwd=
Param	None
Return	None
Note	System will reboot automatically after this operation
Example	<pre><form name="form5" method="post" target="retframe" enctype="multipart/form-data" action="/cgi-bin/ CGIProxy.fcgi?cmd=importConfig&usr=admin&pwd=" > <input type="file" name="setting_file" > <input type="submit" value="import" > </form></pre>

FwUpgrade

Function	Upgrade firmware		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=fwUpgrade&usr=admin&pwd=		
Param	None		
Return	upgradeResu	0	Upgrade success
	It	-1	Upgrade fail
Note	<p>System will reboot automatically after this operation.</p> <p>This action may takes about 120s when upgrade app firmware, takes about 60s when upgrade system firmware</p>		
Example	<pre><form name="form5" method="post" target="retframe" enctype="multipart/form-data" action="/cgi-bin/ CGIProxy.fcgi?cmd=fwUpgrade&usr=admin&pwd=" > <input type="file" name="fw_file" > <input type="submit" value="upgrade" > </form></pre>		

MISC

getFirewallConfig

Function	Get firewall config		
privilege	visitor		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=getFirewallConfig		
Param	None		
Return	isEnabled	Use firewall or not	
	rule	0	The ip list can't access
		1	Only allow the ip list to access
	ipListN	The ip address(Network address) of list N	
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=getFirewallConfig&usr=admin&pwd=		

setFirewallConfig

Function	Set firewall config		
privilege	admin		
Usage	/cgi-bin/CGIProxy.fcgi?cmd=setFirewallConfig		
Param	isEnabled	Use firewall or not	
	rule	0	The ip list can't access
		1	Only allow the ip list to access
	ipListN	The ip address(Network address) of list N	
Return	None		
Note			
Example	/cgi-bin/CGIProxy.fcgi?cmd=setFirewallConfig&isEnabled=1&rule=0&ipList0=0 &ipList1=0&ipList2=0&ipList3=0&ipList4=0&ipList5=0&ipList6=0&ipList7=0&usr=admin&pwd=		

getLog

Function	Get system log
privilege	visitor

Usage	/cgi-bin/CGIProxy.fcgi?cmd=getLog	
Param	offset	Where you want to start get log
	count	How many logs you want to get, must less then 20
Return	totalCnt	Total log count
	curCnt	current log count
	logN	log information, consist by time+user+ip+logID
Note	We can have 1000 record of log at most. We can get 10 log at most one time	
Example	/cgi-bin/CGIProxy.fcgi?cmd=getLog&offset=0&count=20&usr=admin&pwd=	

*logID:

- 0: System power on
- 1: Detect motion alarm
- 2: user login
- 3: user logout
- 4: user off line