

EDIMAX IP Camera HTTP API

History

Version : 1.0	2009/12/21	Bill Li
Create for first release		
Version : 1.1	2009/1/4	Patrick Li
<ol style="list-style-type: none">1. CGI commands 4.11 and 4.12 merge into command 4.11.2. New CGI commands: 2.25 and 2.26.3. Errata: (2.5) <i>Compression: value range is 13~5</i>		
Version : 1.2	2010/3/29	Bill Li
<ol style="list-style-type: none">1. New CGI 4.122. Errata: (2.25) H.2643. New CGI command: 6.4		

1. System

1.1 Get information about the brand

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Brand
```

Return:

```
Information about the brand and type of camera
```

Example:

```
root.Brand.Brand=EDIMAX  
root.Brand.ProdFullName= EDIMAX IC-5010 Network Camera  
root.Brand.ProdShortName= EDIMAX IC-5010  
root.Brand.ProdNbr= IC-5010  
root.Brand.ProdType=Network Camera  
root.Brand.WebURL=http://www.edimax.com.tw/
```

1.2 Get hardware MAC address of camera

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Network.Interface.I0.Active.MACAddress
```

Return:

```
Hardware MAC address of camera
```

Example:

```
Network.Interface.I0.Active.MACAddress=00:11:09:15:10:AB
```

1.3 Get Firmware Version, Model ID and Vendor ID

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Properties.Firmware
```

Return:

```
Firmware version, Model ID and Vendor ID of camera
```

Example:

```
Properties.Firmware.Version=v1.32  
Properties.Firmware.ModelID=12  
Properties.Firmware.VendorID=1
```

1.4 Get web port number

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=System.HTTPPort
```

Return:

```
web port number
```

Example:

```
System.HTTPPort=80
```

1.5 Get private video port number

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=System.PrivateVideoPort
```

Return:

```
Private video port number
```

Example:

```
System.PrivateVideoPort=4321
```

1.6 Get RTSP configuration

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Network.RTSP
```

Return:

```
RTSP configuration
```

Example:

```
Network.RTSP.Enable=1  
Network.RTSP.Port=554  
Network.RTSP.Path=ipcam.sdp  
Network.RTSP.H264Path=ipcam_h264.sdp  
Network.RTSP.UDPPort=50000-60000
```

1.7 Get MaxUsers and CurrentUsers Number

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Properties.VideoServer
```

Return:

```
MaxUsers and CurrentUsers Number
```

Example:

```
Properties.VideoServer.MaxUsers=16  
Properties.VideoServer.CurrentUsers=2
```

1.8 List all user

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=listuser
```

Return:

```
List all user name and password
```

Example:

```
User1=aa,Password=1234  
User2=bb,Password=1234  
User3=,Password=  
User4=,Password=
```

1.9 Get network configuration

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=GetNetworkInfo
```

Return:

```
LAN configuration
```

Example:

```
Network.LAN.DHCP=0 (0:Static IP, 1:DHCP)  
Network.LAN.IP=192.168.3.3  
Network.LAN.SubnetMask=255.255.0.0  
Network.LAN.Gateway=192.168.3.254  
Network.LAN.PrimaryDNS=168.95.1.1  
Network.LAN.SecondaryDNS=168.95.2.2  
Network.LAN.AVControlPort=4321  
Network.LAN.WebPort=80
```

1.10 Get wireless configuration

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

http://camera_ip:port/camera-cgi/GetWirelessConfig.cgi

Return:

Wireless configuration

Example:

```
Default
CountryRegion=0
SSID=Bill_COMEEEEEEE
NetworkType=Infra
WirelessMode=5
Channel=0
BeaconPeriod=100
TxPower=100
BGProtection=0
TxPreamble=2
RTSThreshold=2347
FragThreshold=2346
TxBurst=1
WmmCapable=0
AckPolicy=0;0;0;0
FastRoaming=0
RoamThreshold=70
HT_RDG=1
HT_EXTCHA=0
HT_OpMode=1
HT_MpduDensity=4
HT_BW=1
HT_AutoBA=1
HT_BADecline=0
HT_AMSDU=0
HT_BAWinSize=64
HT_GI=1
HT_MCS=33
HT_MIMOPSMODE=3
IEEE80211H=0
TGnWifiTest=0
WirelessEvent=0
PSMode=CAM
AuthMode=WPAPSK
```

```
EncrypType=TKIP  
WPAPSK=1234567890  
DefaultKeyID=1  
Key1Type=0  
Key1Str=  
Key2Type=0  
Key2Str=  
Key3Type=0  
Key3Str=  
Key4Type=0  
Key4Str=
```


2. Video

2.1 Get image properties supported by camera

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Properties.Image
```

Return:

```
Image resolution, flipmode and format supported by camera
```

Example:

```
root.Properties.Image.FlipMode=1 (or Rotation)  
root.Properties.Image.Resolution=1280x1024,1024x768,640x480,  
320x240  
root.Properties.Image.Format=mjpeg,mpeg4
```

2.2 Get MJPEG image properties supported by camera

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Properties.Image.I0
```

Return:

```
Image resolution, flipmode and format supported by camera
```

Example:

```
root.Properties.Image.I0.FlipMode=1 (or Rotation)  
root.Properties.Image.I0.Resolution=1280x1024,640x480,320x24  
0  
root.Properties.Image.I0.Format=mjpeg
```

2.3 Get MPEG4 image properties supported by camera

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Properties.Image.I1
```

Return:

```
Image resolution, flipmode and format supported by camera
```

Example:

```
root.Properties.Image.I1.FlipMode=1 (or Rotation)  
root.Properties.Image.I1.Resolution=1024x768,640x480,320x240  
root.Properties.Image.I1.Format=mpeg4
```

2.4 Get current camera configuration of resolution and JPEG quality

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Image.I0.Appearance
```

Return:

```
Current configuration of JPEG resolution and JPEG quality
```

Example:

```
root.Image.I0.Appearance.Resolution=640x480  
root.Image.I0.Appearance.Compression=0  
Compression: value range is 0~4 (0:low 4:high)
```

2.5 Get current camera configuration of resolution and MPEG4 quality

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Image.I1.Appearance
```

Return:

```
Current configuration of MPEG4 resolution and MPEG4 quality
```

Example:

```
root.Image.I1.Appearance.Resolution=1024x768  
root.Image.I1.Appearance.stats=compression  
root.Image.I1.Appearance.compression=7  
  
stats: compression for VBR , bitrate for CBR  
  
Compression: value range is 13~5  
  
( Lowest:13 、Low:11 、Normal:9 、High:7 、Highest:5 )
```

2.6 Get current FPS value of MJPEG mode

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Image.I0.Stream
```

Return:

```
Current FPS value of camera (frame rate per second)
```

Example:

```
Image.I0.Stream.FPS=15  
(MJPEG only)
```

2.7 Get current FPS value of MPEG4 mode

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Image.I1.Stream
```

Return:

```
Current FPS value of camera (frame rate per second)
```

Example:

```
Image.I1.Stream.FPS=15  
(MPEG4 only)
```

2.8 Get current FPS value of H.264 mode

Support Model:

```
IC-3030 IC-5020
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Image.I2.Stream
```

Return:

```
Current FPS value of camera (frame rate per second)
```

Example:

```
Image.I2.Stream.FPS=15  
(H.264 only)
```

2.9 Get default video format

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=Layout
```

Return:

```
Default camera video format
```

Example:

```
Layout.DefaultVideoFormat=mpeg4
```

2.10 Set resolution of MJPEG camera

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update
&Image.I0.Appearance.Resolution=Width X Height
```

Parameters:

1280x1024, 640x480, 320x240

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat
e&Image.I0.Appearance.Resolution=320x240
(MJPEG only)
```

2.11 Set resolution of MPEG4 camera

Support Model:

IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update
&Image.I1.Appearance.Resolution=Width X Height
```

Parameters:

1024x768, 640x480, 320x240

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat
e&Image.I1.Appearance.Resolution=320x240
(MPEG4 only)
```

2.12 Set resolution of H.264 camera

Support Model:

IC-3030 IC-5020

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update
&Image.I2.Appearance.Resolution=Width X Height
```

Parameters:

1280x1024, 640x480, 320x240

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat
e&Image.I2.Appearance.Resolution=320x240
(H.264 only)
```

2.13 Set JPEG compression level

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update
&Image.I0.Appearance.Compression=Compression Level
```

Parameters:

value range is 0~4 (0:low 4:high)

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat
e&Image.I0.Appearance.Compression=4
```

2.14 Set MPEG4 video quality

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I1.Appearance.stats=State
```

Parameters:

```
0:CBR 1:VBR
```

```
(IC-5010、IC-5020、IC-3030 only support VBR)
```

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=update  
&Image.I1.Appearance.stats=0
```

2.15 Set MPEG4 CBR Bitrate

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I1.Appearance.bitrate=Bitrate
```

Parameters:

```
2000000(2 Mbps)、1500000(1.5 Mbps)、1000000(1 Mbps)、800000(800  
Kbps)、500000(500 Kbps)、400000(400 Kbps)、300000(300 Kbps)、  
250000(250 Kbps)、200000(200 Kbps)
```

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=update  
&Image.I1.Appearance.bitrate=800000
```

2.16 Set MPEG4 VBR Compression

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I1.Appearance.Compression=Compression Level
```

Parameters:

```
Compression Level: 13(Lowest)、11(Low)、9(Normal)、7(High)、  
5(Highest)
```

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat  
e&Image.I1.Appearance.Compression=9
```

2.17 Set MJPEG camera FPS

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Stream.FPS=FPS
```

Parameters:

```
1, 3, 5, 10, 15, 30
```

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat  
e&Image.I0.Stream.FPS=15  
(MJPEG only)
```


2.18 Set MPEG4 camera FPS

Support Model:

IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update
&Image.I0.Stream.FPS=FPS
```

Parameters:

1, 3, 5, 10, 15, 30

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=updat
e&Image.I1.Stream.FPS=15
(MPEG4 only)
```

2.19 Set Default Video Format to MJPEG, MPEG4 or H.264

Support Model:

IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/form/enet?
enet_avs_default_dual_mode=Mode
```

Parameters:

0: MJPEG 1:MPEG4 2:H.264
(Only IC-3030, IC-5020 support H.264)

Example:

```
http://192.168.2.114/form/enet?enet_avs_default_dual_mode=1
```

2.20 Set Video Flip Mode

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/form/enet?  
enet_avs_flip_mode=Mode
```

Parameters:

```
0: Normal  
1: Vertical mirror  
2: Horizontal mirror  
3: Rotate 180
```

Example:

```
http://192.168.2.114/form/enet?enet_avs_flip_mode=3
```

2.21 Get image sensor value

Support Model:

```
IC-5010 IC-3030 IC-5020
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list  
&group=ImageSensor
```

Return:

```
Brightness(0~120 interval:10 default:0), Saturation (48, 32,  
24, 16, 8, 0, 72, 80, 88, 40 interval:8 default:0), Sharpness(0~7  
interval:1 default:0)
```

Example:

```
Brightness=0  
Saturation=0  
Sharpness=0
```

2.22 Adjust image sensor

Support Model:

```
IC-5010 IC-3030 IC-5020
```

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=update&Brightness=plus&Saturation=plus&Sharpness=plus&Save=yes
```

Parameter:

```
Brightness: [plus, minus, 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120]
Saturation: [plus, minus, 48, 32, 24, 16, 8, 0, 72, 80, 88, 40]
Sharpness: [plus, minus, 0, 1, 2, 3, 4, 5, 6, 7]
Save: [Yes, No]
```

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=update&Brightness=plus&Saturation=plus&Sharpness=plus&Save=yes
```

2.23 Get one JPEG image

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/snapshot.jpg
```

Return:

```
Show a JPEG image
```

Example:

```
http://192.168.2.114/snapshot.jpg
```

2.24 Get one JPEG video stream

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip:port/snapshot.cgi
```

Return:

```
Show JPEG video stream
(IE does not support it.)
```

Example:

```
http://192.168.2.114/snapshot.cgi
```

2.25 Get H.264 image properties supported by camera

Support Model:

IC-5020

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list
&group=Properties.Image.I2
```

Return:

Image resolution, flipmode and format supported by camera

Example:

```
root.Properties.Image.I2.FlipMode=1 (or Rotation)
root.Properties.Image.I2.Resolution=1024x768,640x480,320x240
root.Properties.Image.I2.Format=h264
```

2.26 Get current camera configuration of H.264 resolution and H.264 quality

Support Model:

IC-5020

Syntax:

```
http://camera_ip:port/camera-cgi/admin/param.cgi?action=list
&group=Image.I2.Appearance
```

Return:

Current configuration of H.264 resolution and H.264 quality

Example:

```
root.Image.I2.Appearance.Resolution=1024x768
root.Image.I2.Appearance.stats=compression
root.Image.I2.Appearance.compression=7

stats: compression for VBR ,bitrate for CBR
Compression: value range is 38~29
( Lowest:38 、Low:36 、Normal:34 、High:32 、Highest:29 )
```

3. Audio

3.1 Request an audio stream

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/audio/receive.cgi
```

Return:

```
HTTP/1.0 200 OK\r\n
Content-Type: audio/basic\r\n
\r\n
<33 bytes GSM0610 Audio data>
<33 bytes GSM0610 Audio data>
<33 bytes GSM0610 Audio data>
.
.
.
```

Example:

```
http://192.168.2.114/camera-cgi/audio/receive.cgi
```

3.2 Set Audio Volume

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020
```

Syntax:

```
http://camera_ip/form/enet?
enet_audio_enable=[No, Yes]
&enet_audio_mic_vol=[0-100]
&enet_audio_output_vol=[0-100]
```

Parameters:

```
enet_audio_enable: No: Disable audio function
                   Yes: Enable audio function
enet_audio_mic_vol: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
enet_audio_output_vol: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90,
100
```

Example:

```
http://192.168.2.114/form/enet?enet_audio_enable=yes&enet_au
dio_mic_vol=100&enet_audio_output_vol=100
```

3.3 Get Audio Volume

Support Model:

```
IC-3010 IC-3020 IC-5010 IC-3030 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=Audio.volume
```

Return:

```
Microphone volume , Line-out volume
```

Example:

```
Audio.Microphone.volume=80  
Audio.lineout.volume=80
```

4. PTZ

4.1 Move the image in the specified direction

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/com/ptz.cgi?move=direction
```

Parameters:

```
left, right, up, down, upleft, upright, downleft, downright
```

Example:

```
http://192.168.2.114/camera-cgi/com/ptz.cgi?move=left
```

4.2 Move the image to preset point

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/com/ptz.cgi?gotoserverpresetIndex=idx
```

Parameters:

```
Preset point index (0~8)
```

Example:

```
http://192.168.2.114/camera-cgi/com/ptz.cgi?gotoserverpresetIndex=0
```

4.3 Add a preset point with current image coordinate and zoom configuration

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/com/ptzconfig.cgi?setserverpresetname=name&presetNo=idx
```

Parameters:

```
name: Preset point name  
idx: Index of new preset point
```

Example:

```
http://192.168.2.114/camera-cgi/com/ptzconfig.cgi?setserverpresetname=myroom&presetNo=2
```

4.4 Remove a preset point

Support Model:

IC-3020 IC-5010 IC-5020

Syntax:

```
http://camera_ip/camera-cgi/com/ptzconfig.cgi?  
removeserverpresetname=name&presetNo=idx
```

Parameters:

```
name: Preset point name  
idx: Index of preset point
```

Example:

```
http://192.168.2.114/camera-cgi/com/ptzconfig.cgi?removeserv  
erpresetname=myroom&presetNo=3
```

4.5 Get PTZ status

Support Model:

IC-3020 IC-5010 IC-5020

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list  
&group=Properties.PTZ.PTZ
```

Return:

If support PTZ function, return value will be "Yes"

Example:

```
Properties.PTZ.PTZ=Yes
```

4.6 Set PT Speed

Support Model:

IC-3020 IC-5010 IC-5020

Syntax:

```
http://camera_ip/form/enet?  
enet_avs_pt_speed=ptspeed
```

Parameters:

```
ptspeed= 1(fast) ,3 ,5 ,7, 9(slow)
```

Example:

```
http://camera_ip/form/enet?enet_avs_pt_speed=3
```


4.7 Get PTZ speed

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list  
&group=Properties.PTZ.speed
```

Return:

```
PTZ speed = 1(fast) , 3 , 5 , 7 ,9(slow)
```

Example:

```
Properties.PTZ.speed=1
```

4.8 Get PTZ point range

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list  
&group=Properties.PTZ.range
```

Return:

```
PTZ point range
```

Example:

```
Properties.PTZ.range=9
```

4.9 Get PTZ auto patrol

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list  
&group=Properties.PTZ.autopatrol
```

Return:

```
When auto patrol is enabled ,return Yes.
```

Example:

```
Properties.PTZ.autopatrol=Yes
```

4.10 List preset point status

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list  
&group=Properties.PTZ.preset.point.status
```

Return:

```
List preset point information
```

Example:

```
Preset.point1=aa  
Preset.point2=bb  
Preset.point3=  
Preset.point4=  
Preset.point5=cc  
.  
.  
Preset.pointx=zz
```

4.11 Start/Stop guard tour

Support Model:

```
IC-3020 IC-5010 IC-5020
```

Syntax:

```
http://camera_ip/camera-cgi/com/gtconfig.cgi?start_guard_tou  
r=name
```

Parameter:

```
name: Guard tour name
```

Example:

```
http://192.168.2.114/camera-cgi/com/gtconfig.cgi?start_guard  
_tour=aa
```

4.12 Zoom In/Out

Support Model:

IC-3020

Syntax:

`http://camera_ip/camera-cgi/com/ptz.cgi?zoom=mode`

Parameter:

`mode: 0(Full view mode),1(Digital Pan/Tilt mode)`

Example:

`http://192.168.2.114/camera-cgi/com/ptz.cgi?zoom=1`

5. Motion Detection

5.1 Get motion detection configuration

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=MDx.Config (X=1,2,3)
```

Return:

```
The configuration of motion detection range x is enabled or not.
If motion detection is enabled, return value is 1.
The coordinates of motion detection range x. (upper left corner
and lower right corner)
The sensitivity of motion detection range x. (X=1,2,3)
```

Example:

```
MD1.Config=0, 150, 50, 220, 120, 90
```

5.2 List motion detection counter

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=MD.counter
```

Return:

```
Motion detection event counter
```

Example:

```
Region1=10
Region2=35
Region3=50
```

5.3 Get motion detection setting

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=MD.Setting
```

Return:

```
Motion detection enable=[0:disable, 1:enable]
Next event detected interval=[1,3,5,10,15,20,30,45,60]
Recording time=[1,2,3,4,5]
Send snapshot file to E-Mail enable=[0:disable, 1:enable]
Mail subject=Mail subject
Send snapshot file to FTP enable=[0:disable, 1:enable]
```

Example:

```
Motion detection enable=1
Next event detected interval=5
Recording time=3
Send snapshot file to E-Mail enable=1
Mail subject=Motion Detection Notification
Send snapshot file to FTP enable=1
```

5.4 Set motion detection configuration

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=update&MDx.Config=enabled, x1, y1, x2, y2, sensitivity (X=1,2,3)
```

Parameter:

```
Enabled: motion detection enable or not
X1,y1: coordination of upper left corner (based on VGA)
X2,y2: coordination of lower right corner (based on VGA)
Sensitivity: motion detection sensitivity (range:0~100 , interval:10)
```

Example:

```
http://192.168.2.114/camera-cgi/admin/param.cgi?action=update&MD1.Config=0, 10, 15, 60, 70, 90
```

5.5 Set motion detection

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/form/enet?  
enet_avs_md_enable=[No,Yes]  
&enet_avs_md_delay=[0,1,3,5,10,15,20,30,45,60]  
&enet_avs_md_length=[1,2,3,4,5]  
&enet_avs_md_email=[No,Yes]  
&enet_avs_md_ftp=[No,Yes]
```

Example:

```
http://192.168.2.114/form/enet?enet_avs_md_enable=yes&enet_a  
vs_md_delay=1&enet_avs_md_length=5&enet_avs_md_email=yes&ene  
t_avs_md_ftp=yes
```

5.6 Get Email configuration

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&grou  
p=Email.Config
```

Return:

Email configuration

Example:

```
Recipient E-Mail Address=edimax_r@edimax.com.tw  
E-Mail Subject=Notification  
SMTP Server=192.168.1.1  
Sender E-Mail Address=edimax_s@edimax.com.tw
```

5.7 Get FTP configuration

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=FTP.Config
```

Return:

```
FTP Server  
FTP Port
```

Example:

```
FTP Server=192.168.1.1  
FTP Port=21
```

5.8 Set Email

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/form/enet?  
enet_email_rcpt=Recipient E-Mail Address  
&enet_email_server=SMTP server  
&enet_avs_md_title=Motion Detection Notification  
&enet_email_retn=Sender E-Mail Address  
&enet_email_auth=1  
&enet_email_auth_username=username  
&enet_email_auth_passwd=1234
```

Example:

```
http://192.168.2.114/form/enet?enet_email_rcpt=edimax_r@edimax.com.tw&enet_email_server=192.168.1.1&enet_avs_md_title=Notification&enet_email_retn=edimax_s@edimax.com.tw&enet_email_auth=1&enet_email_auth_username=username&enet_email_auth_passwd=1234
```

5.9 Send test Email

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

`http://camera_ip/form/testemail`

Example:

`http://192.168.2.114/form/testemail`

5.10 Set FTP

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

```
http://camera_ip/form/enet?  
enet_avs_ftp_server=FTP Server  
&enet_avs_ftp_port=FTP Port  
&enet_avs_ftp_user=User Name  
&enet_avs_ftp_passwd=Password
```

Example:

```
http://192.168.2.114/form/enet?enet_avs_ftp_server=192.168.1  
.3&enet_avs_ftp_port=21&enet_avs_ftp_user=name&enet_avs_ftp_  
passwd=1234
```

5.11 Send test FTP

Support Model:

IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005

Syntax:

`http://camera_ip/form/testftp`

Example:

`http://192.168.2.114/form/testftp`

6. Miscellaneous

6.1 Get upnp information

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=getupnp
```

Return:

```
Upnp information
```

Example:

```
Manufacturer=EDIMAX  
ManufacturerURL=http://www.edimax.com  
ModelDescription=Internet Camera  
ModelName=Internet Camera
```

6.2 Reboot

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/form/reboot
```

Return:

```
reboot
```

Example:

```
http://192.168.2.114/form/reboot
```

6.3 List available CGI

Support Model:

```
IC-1510 IC-3010 IC-3020 IC-5010 IC-3030 IC-5020 IC-3005
```

Syntax:

```
http://camera_ip/camera-cgi/cgihelp.cgi
```

Return:

```
List available CGI
```

Example:

```
http://192.168.2.114/camera-cgi/cgihelp.cgi
```

6.4 Get schedule setting

Support Model:

IC-3005

Syntax:

```
http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=GetSchedule
```

Return:

```
Show schedule setting
```

Example:

```
Enable FTP Schedule=1  
Enable E-Mail Schedule=0
```