

# IC-1500 (Wg) /IC-1510 (Wg) CGI commands V1.1

## 1. JPEG image commands

### 1.1 Get one JPEG image

Method: Get

URL: HTTP://camera\_ip/jpg/image.jpg

Return: One JPEG image will be transferred to client.

### 1.2 Get one JPEG image without any authentication

Method: Get

URL: HTTP://camera\_ip/loginfree.jpg

Return: One JPEG image will be transferred to client.

Note: User maybe change the loginfree filename.

### 1.3 Get one JPEG video stream

Method: Get

URL: HTTP://camera\_ip/mjpg/video.mjpg

Return: One multipart JPEG video stream will be transferred to client.

Format:

```
HTTP/1.0 200 OK\r\n
```

```
Content-Type: multipart/x-mixed-replace;  
            boundary=myboundary\r\n
```

```
\r\n
```

```
--myboundary\r\n
```

```
Content-Type: image/jpeg\r\n
```

```
Content-Length: 15656\r\n
```

```
\r\n
```

```
<JPEG image data>\r\n
```

```
--myboundary\r\n
```

```
Content-Type: image/jpeg\r\n
```

```
Content-Length: 14978\r\n
```

```
\r\n
```

```
<JPEG image data>\r\n
```

```
--myboundary\r\n
```

```
Content-Type: image/jpeg\r\n
```

```
Content-Length: 15136\r\n
```

```
\r\n
```

```
<JPEG image data>\r\n
```

```
--myboundary\r\n
```

```
. . . . .
```

## 2. System commands

### 2.1 Get system information and configuration

#### 2.1.1 Get image properties supported by camera

Method: Get

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

Return: Image resolution, rotation and format supported by camera

Example:

```
root.Properties.Image.Rotation=0
```

```
root.Properties.Image.Resolution=640x480,320x240,176x144
```

```
root.Properties.Image.Format=jpeg,mjpeg
```

Description: Camera doesn't support rotation, supports 3 kinds of resolution and supports JPEG format only.

#### 2.1.2 Get current camera configuration of resolution and JPEG quality

Method: Get

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

Return: Current configuration of resolution and JPEG quality

Example:

```
root.Image.I0.Appearance.Resolution=640x480
```

```
root.Image.I0.Appearance.Compression=0
```

Compression: value range is 0~100

0: Highest quality, large image size

100: Lowest quality, small image size

#### 2.1.3 Get current FPS value of camera

Method: Get

URL: `http://camera_ip/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=30
```

#### 2.1.4 Get current configuration of camera sensor

Method: Get

URL: `http://camera_ip/camera-cgi/admin/param.cgi?action=list  
&group=ImageSource.I0.Sensor`

Return: Current brightness and contrast 、 Saturation 、 Hue value

Example:

```
ImageSource.I0.Sensor.Brightness=50
```

```
ImageSource.I0.Sensor.Contrast=50
```

```
ImageSource.I0.Sensor.Saturation=50
```

ImageSource.I0.Sensor.Hue=50

Brightness and Contrast ` Saturation ` Hue value range is 0~99

#### **2.1.5 Get default video format**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Layout](http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=Layout)

Return: Camera default video format

Example:

[Layout.DefaultVideoFormat=mjpeg](#)

#### **2.1.6 Get information about the brand**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Brand](http://camera_ip/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-1500/IC-1510 Network Camera](#)

[root.Brand.ProdShortName=EDIMAX IC-1500/IC-1510](#)

[root.Brand.ProdNbr=IC-1500/IC-1510](#)

[root.Brand.ProdType=Network Camera](#)

[root.Brand.WebURL=http://www.edimax.com.tw/](#)

#### **2.1.7 Get hardware MAC address of camera**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Network.Interface.I0.Active.MACAddress](http://camera_ip/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](#)

#### **2.1.8 Get Firmware Version, Model ID and Vendor ID**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Properties.Firmware](http://camera_ip/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=8](#)

[Properties.Firmware.VendorID=1](#)

### **2.1.9 Get web port number**

Method: Get

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

Return: web port number

Example:

`System.HTTPPort=80`

### **2.1.10 Get private video port number**

Method: Get

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

Return: web port number

Example:

`System.PrivateVideoPort=4321`

### **2.1.11 Get MaxUsers and CurrentUsers Number**

Method: Get

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

Return: **MaxUsers and CurrentUsers Number**

Example:

`Properties.VideoServer.MaxUsers=16`

`Properties.VideoServer.CurrentUsers=2`

### **2.1.12 Get FTP Server**

Method: Get

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

Return: **FTP Server**

Example:

`Network.FTP.Server=192.168.2.166`

### **2.1.13 Get FTP Username**

Method: Get

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

Return: **FTP Username**

Example:

`Network.FTP.User=test`

### **2.1.14 Get FTP Password**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Network.FTP.Passwd](http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=Network.FTP.Passwd)

Return: **FTP Password**

Example:

[Network.FTP.Passwd=test](#)

### **2.1.15 Get FTP Path**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Network.FTP.Path](http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=Network.FTP.Path)

Return: **FTP Path**

Example:

[Network.FTP.Path=/](#)

### **2.1.16 Get FTP Port**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=list  
&group=Network.FTP.Port](http://camera_ip/camera-cgi/admin/param.cgi?action=list&group=Network.FTP.Port)

Return: **FTP Port**

Example:

[Network.FTP.Port=21](#)

## **2.2 Set system configuration**

### **2.2.1: Set resolution of camera**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Appearance.Resolution=Width X Height](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Image.I0.Appearance.Resolution=Width X Height)

Parameters: 640x480, 320x240, 176x144

Example: Set resolution to 320X240

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Appearance.Resolution=320x240](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Image.I0.Appearance.Resolution=320x240)

### **2.2.2: Set JPEG compression level**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Appearance.Compression=Compression Level](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Image.I0.Appearance.Compression=Compression Level)

Parameters: 0~100,

0: Highest quality, large image size

100: Lowest quality, small image size

Example: Set compression level to 90

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Appearance.Compression=90](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Image.I0.Appearance.Compression=90)

### **2.2.3 Set camera FPS**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Stream.FPS=FPS](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Image.I0.Stream.FPS=FPS)

Parameters: 1, 3, 5, 10, 15, 20, 25, 30

Example: Set FPS to 20

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Image.I0.Stream.FPS=20](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Image.I0.Stream.FPS=20)

### **2.2.4 Set brightness of camera sensor**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Brightness=Brightness Level](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Brightness=Brightness Level)

Parameters: 0~99

Example: Set brightness to 60

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Brightness=60](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Brightness=60)

### **2.2.5 Set contrast of camera sensor**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Contrast=Contrast Level](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Contrast=Contrast Level)

Parameters: 0~99

Example: Set contrast to 60

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Contrast=60](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Contrast=60)

### **2.2.6 Set saturation of camera sensor**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Saturation=Saturation Level](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Saturation=Saturation Level)

Parameters: 0~99

Example: Set saturation to 50

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Saturation=50](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Saturation=50)

### **2.2.7 Set hue of camera sensor**

Method: Get

URL: [http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&ImageSource.I0.Sensor.Hue=Hue Level](http://camera_ip/camera-cgi/admin/param.cgi?action=update&ImageSource.I0.Sensor.Hue=Hue Level)

Parameters: 0~99

Example: Set hue to 50

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update](http://camera_ip/camera-cgi/admin/param.cgi?action=update)

`&ImageSource.I0.Sensor.Hue=50`

### **2.2.8 Set FTP Server**

Method: Get

URL: `http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Server=Server`

Parameters: FTP Server

Example: Set FTP Server to 192.168.2.166

`http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Server=192.168.2.166`

### **2.2.9 Set FTP Username**

Method: Get

URL: `http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.User=Username`

Parameters: FTP Username

Example: Set FTP Username to test

`http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.User=test`

### **2.2.10 Set FTP Password**

Method: Get

URL: `http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Passwd=Password`

Parameters: FTP Password

Example: Set FTP Password to test

`http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Passwd=test`

### **2.2.11 Set FTP Path**

Method: Get

URL: `http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Path=Path`

Parameters: FTP Path

Example: Set FTP Path to /

`http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Path=`

### **2.2.12 Set FTP Port**

Method: Get

URL: `http://camera_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Port=Port`

Parameters: FTP Port

Example: Set FTP Port to 21

[http://camera\\_ip/camera-cgi/admin/param.cgi?action=update  
&Network.FTP.Port=21](http://camera_ip/camera-cgi/admin/param.cgi?action=update&Network.FTP.Port=21)