

Camera Settings page CGI Guide

Get the camera information

[http://\(IP ADDRESS\)/asp-get/fwsvrget.asp](http://(IP ADDRESS)/asp-get/fwsvrget.asp)

Example

<http://192.168.0.110/asp-get/fwsvrget.asp>

SERVER_NAME = "IP System 1"; HOST_NAME = "NetCAM"; GATEWAY = "192.168.0.1"; GATEDEV = "eth0"; NETWORKING_IPV6 = "yes"; IPV6_DEFAULTDEV = "eth0"; IPV6_DEFAULTGW = ""; DNS1 = "168.126.63.1"; DNS2 = "168.126.63.2"; // for old Voyager SVRNAME="NetCAM" SYS_NAME = "NetCAM"; SYS_MODEL = "GPCL160LA4TD"; SYS_VER = "4.52-B0-rp_GPCR"; SYS_DATE = "2022/08/17"; SYS_COMPORTS = ""; SYS_ETHPORTS = ""; SYS_IDEPORTS = "";

Check value (fwcamctlget.asp)

[http://\(IP ADDRESS\)/asp-get/fwcamctlget.asp?FwModid=0](http://(IP ADDRESS)/asp-get/fwcamctlget.asp?FwModid=0)

Example

<http://192.168.216.11/asp-get/fwcamctlget.asp?FwModid=0>

Set value (fwcamctlset.cgi)

[http://\(IP ADDRESS\)/cgi-bin/admin/fwcamctlset.cgi?](http://(IP ADDRESS)/cgi-bin/admin/fwcamctlset.cgi?)[\[CGI\(Set value\)\]](#)[=\[IndexValue\]&](#)

[CurCgiReqMode=0&FwCgiVer=0x0001](#)

↳ **What you want to set**

↳ **Essential**

Example

<http://192.168.216.11/cgi-bin/admin/fwcamctlset.cgi?DclIrisEnable=1&CurCgiReqMode=0&FwCgiVer=0x0001>

<http://192.168.216.11/cgi-bin/admin/fwcamctlset.cgi?Hue=3&CurCgiReqMode=1&FwCgiVer=0x0001>

	ASP(Get value)	CGI(Set value)	Index Value
Mode[Essential]	CURCGIREQMODE	CurCgiReqMode	value=0> Default(Day) value=1> Night value=2> DI value=3> Motion
Event Control Mode	EVENTMODE	EventMode	value=0> Disable(Day) value=1> Night value=2> DI value=3> Motion
DC IRIS Enable	DCIRISENABLE	DclIrisEnable	value=0> disable value=1> enable
AE Metering Mode	AEMETERINGMODE	AeMeteringMode	value=0> Spot value=1> Center value=2> Average value=3> Center Flip
Shutter Control	SHUTTERMODE	ShutterMode	value=0> Auto

			value=1> Manual
Shutter Time Min	SHUTTERTIMEMIN	ShutterTimeMin	Range : [30, 32000]
Shutter Time Max	SHUTTERTIMEMAX	ShutterTimeMax	Range : [30, 32000]
Max AGC gain	SENSORGAINMAX	SensorGainMax	value=0> Auto, value=1> 1~72
Sense Up Level	SLOWSHUTTERENABLE	SlowShutterEnable	value=0> off value=1> 1 value=1> 2
Back Light Compensation	BACKLIGHTCOMPENSATION	BackLightCompensation	value=0> disable value=1> enable
Auto Exposure Weight	AUTOEXPOSURERATIO	AutoExposureRatio	Default : 0, Range : [25 ~ 400]
WDR Enable (DOL WDR)	WDREnable	WdrEnable	value=0> disable value=1> enable
WDR (D-WDR)	WDRSTRENGTH	WdrStrength	Default : 0, Range : [0, 128]
Strobe Delay	STROBEDELAY	StrobeDelay	Default : 0 Range : [-50, 50]
Brightness	BRIGHTNESS	Brightness	Default : 0, Range : [-255, 255]
Contrast	CONTRAST	Contrast	Default : 64, Range : [0, 128]
Hue	HUE	Hue	Default : 0, Range : [-15, 15]
Saturation	SATURATION	Saturation	Default : 64, Range : [0, 255]
Sharpness	SHARPNESS	Sharpness	Default : 6, Range : [0, 11]
White Balance	WBMODE	WbMode	value=0> MW_WB_AUTO : Default value=1> MW_WB_INCANDESCENT : 2800K value=2> MW_WB_D4000 value=3> MW_WB_D5000 value=4> MW_WB_SUNNY : 6500K value=5> MW_WB_CLOUDY : 7500K value=6> MW_WB_FLASH value=7> MW_WB_FLUORESCENT value=8> MW_WB_FLUORESCENT_H value=9> MW_WB_UNDERWATER value=10> MW_WB_CUSTOM : Custom
RGain	RGAIN	RGain	Default : 1024, Range : ??
GGain	GGAIN	GGain	Default : 1024, Range : ??
BGain	BGAIN	BGain	Default : 1024, Range : ??

3DNR	MCTFSTRENGTH	MctfStrength	Default : 6, Range : [0, 11]
Day & Night Control	IRLEDMODE	IrLedMode	value=0> OFF value=1> ON value=2> AUTO
Day to Night Dwelling Time	OPENDELAY	OpenDelay	Range : [0, 6]
Night to Day Dwelling Time	CLOSEDELAY	CloseDelay	Range : [0, 6]
Day to night threshold	OPENTHRESHOLD	OpenThreshold	Range : [1, 4096]
Night to day threshold	CLOSETHRESHOLD	CloseThreshold	Range : [1, 4096]
Vertical Flip	VFLIP	VFlip	value=0> disable value=1> enable
Horizontal Flip	HFLIP	HFlip	value=0> disable value=1> enable
Corridor Mode	VIDEOROTATE	VideoRotate	value=0> disable value=1> enable

Video Streams page CGI Guide

Check value (fwvmdget.asp)

http://(IP ADDRESS)/asp-get/fwvmdget.asp?FwModId=0

Example

http://192.168.216.11/asp-get/ fwvmdget.asp?FwModId=0

Set value (fwvmdset.cgi)

http://(IP ADDRESS)/cgi-bin/admin/fwvmdset.cgi? CGI(Set value) = IndexValue & FwModId=0&FwCgiVer=0x0001

↳ **What you want to set**

↳ **Essential**

Example

http://192.168.216.11/cgi-bin/admin/fwvmdset.cgi? **VideoFormat=2** & FwModId=0 & FwCgiVer=0x0001

http://192.168.216.11/cgi-bin/admin/fwvmdset.cgi? **VideoFormat=1&OsdTimeStamp=1** & FwModId=0 & FwCgiVer=0x0001

*About OptionFlag

There are 6 checkboxes. If you want to set value, you should add the **Index Value's sum**. It's a hexadecimal number.

First one : 0x0080

First one & Second one : 0x0080+0x0040=0x00c0

First one & Second one & Third one : 0x0080+0x0040+0x0020=0x00e0

Example

When you want to check the **First one** -> **OptionFlag=0x0080**

http://192.168.216.11/cgi-bin/admin/fwvmdset.cgi? **OptionFlag=0x0080** & FwModId=0 & FwCgiVer=0x0001

When you want to check the **First one and Second one** -> **OptionFlag=0x00c0** (0x0080+0x0040)

http://192.168.216.11/cgi-bin/admin/fwvmdset.cgi? **OptionFlag=0x00c0** & FwModId=0 & FwCgiVer=0x0001

	ASP(Get value)	CGI(Set value)	Index Value
Max Frame Rate	VIDEO_FORMAT	VideoFormat	value=1> NTSC value=2> PAL
Video with Flexible Extra System data	OPTIONFLAG	OptionFlag	0x0080
Video with user defined message			0x0040
Video with PPP status			0x0020

Video with camera name			0x0010
Video with server name			0x0008
Video with IP address			0x0004
Time Stamp	TIMESTAMP	OsdTimeStamp	value=0> Off value=1> On
Time Stamp	TIMESTAMP	OsdTimeStamp	value=0> Off value=1> ISO Standard value=2> American Numeric value=3> British Numeric value=4> American Alphanumeric value=5> British Alphanumeric
Audio Codec	AUDIOCODEC	AudioCodec	value=1> G.711 μ -LAW value=2> G.711 A-LAW value=3> SPEEX
Frame Rate	FRAMERATE0 FRAMERATE1 FRAMERATE2	FrameRate0 FrameRate1 FrameRate2	30fps 158 : 30 fps 157 : 29 fps 156 : 28 fps 155 : 27 fps 154 : 26 fps 153 : 25 fps 152 : 24 fps 151 : 23 fps 150 : 22 fps 149 : 21 fps 148 : 20 fps 147 : 19 fps 146 : 18 fps 145 : 17 fps 144 : 16 fps 143 : 15 fps 142 : 14 fps 141 : 13 fps 140 : 12 fps 139 : 11 fps 138 : 10 fps 137 : 9 fps 136 : 8 fps 135 : 7 fps 134 : 6 fps

			133 : 5 fps 132 : 4 fps 131 : 3 fps 130 : 2 fps 129 : 1 fps 25fps 153 : 25 fps 152 : 24 fps 151 : 23 fps 150 : 22 fps 149 : 21 fps 148 : 20 fps 147 : 19 fps 146 : 18 fps 145 : 17 fps 144 : 16 fps 143 : 15 fps 142 : 14 fps 141 : 13 fps 140 : 12 fps 139 : 11 fps 138 : 10 fps 137 : 9 fps 136 : 8 fps 135 : 7 fps 134 : 6 fps 133 : 5 fps 132 : 4 fps 131 : 3 fps 130 : 2 fps 129 : 1 fps
Image Size	IMGSIZE0 IMGSIZE1 IMGSIZE2	ImgSize0 ImgSize1 ImgSize2	Primary 9 : 1920 x 1080 7 : 1280 x 1024 6 : 1280 x 720 Secondary 4 : 704 x 480 3 : 640 x 480 2 : 640 x 352 1 : 320 x 240

			Tertiary 1 : 320 x 240
Encoding Standard	CODECTYPE0 CODECTYPE1 CODECTYPE2	CodecType0 CodecType1 CodecType2	value=0> M-JPEG value=2> H.264 value=3> H.265
Audio	AUDIOINSTALLED0 AUDIOINSTALLED1 AUDIOINSTALLED2	AudiolnStalled0 AudiolnStalled1 AudiolnStalled2	value=0> disable value=1> enable

Pri/Sec/Tri Streams page CGI Guide

Check value (fwcamget.asp)

http://(IP ADDRESS)/asp-get/fwcamget.asp?FwModId=0&PortId=0

Example

http://192.168.216.11/asp-get/fwcamget.asp?FwModId=0&PortId=0

Set value (fwcamset.cgi)

http://(IP ADDRESS)/cgi-bin/admin/fwcamset.cgi?

[CGI(Set value)]=[IndexValue]&FwModId=0&PortId=0&FwCgiVer=0x0001

↳ **What you want to set**

↳ **Essential**

Example

http://192.168.216.11/cgi-bin/admin/fwcamset.cgi?

VideoFormat=2&FwModId=0&PortId=0&FwCgiVer=0x0001

http://192.168.216.11/cgi-bin/admin/fwcamset.cgi?

VideoFormat=1&OsdTimeStamp=1&FwModId=0&PortId=0&FwCgiVer=0x0001

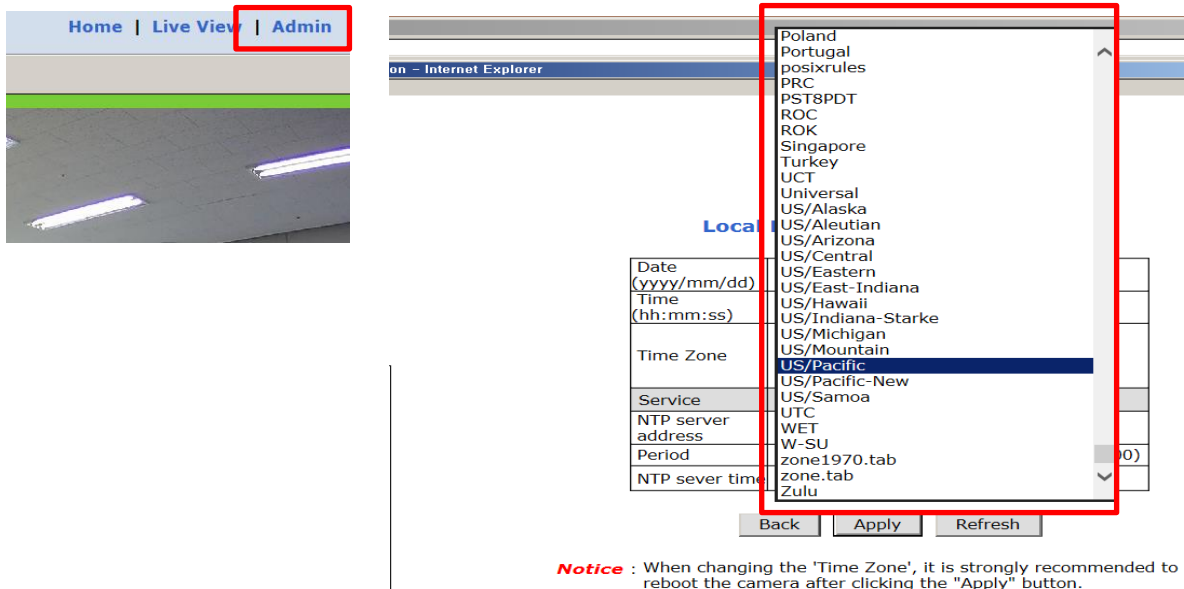
	ASP(Get value)	CGI(Set value)	Index Value
When H.264/265			
H.264/H.265 Profile	ENCPROFILE	EncProfile	1 : Base 2 : Main 4 : High
Rate Control Mode - CBR			
Target Bitrate	CBRVALUE	CbrValue	1 : 32Kbps 2 : 64kbps 3 : 128kbps 4 : 256kbps 5 : 512kbps 6 : 1.0Mbps 7 : 1.5Mbps 8 : 2.0Mbps 9 : 3.0Mbps 10 : 4.0Mbps 11 : 5.0Mbps 12 : 6.0Mbps 13 : 8.0Mbps

			14 : 10Mbps 15 : 12Mbps 16 : 16Mbps
GOP Structure	GOPVALUE	GopValue	1~64
Rate Control Mode – VBR			
Target Bitrate	CBRVALUE	CbrValue	0
Image Quality	QUALITY	Quality	0 : LowComp 1 : Higest 2 : High 3 : Normal 4 : Low 5 : Lowest
GOP Structure	GOPVALUE	GopValue	1~64
Rate Control Mode - ACBR			
Target Bitrate	CBRVALUE	CbrValue	33 : 32Kbps 34 : 64kbps 35 : 128kbps 36 : 256kbps 37 : 512kbps 38 : 1.0Mbps 39 : 1.5Mbps 40 : 2.0Mbps 41 : 3.0Mbps 42 : 4.0Mbps 43 : 5.0Mbps 44 : 6.0Mbps 45 : 8.0Mbps 46 : 10Mbps 47 : 12Mbps 48 : 16Mbps
GOP Structure	GOPVALUE	GopValue	1~64
Rate Control Mode - AVBR			
Target Bitrate	CBRVALUE	CbrValue	64

Minimum Bitrate	MinAvbrBitRate	MINAVBRBITRATE	0 : 0Kbps 1 : 100Kbps 2 : 200Kbps 3 : 300Kbps 4 : 400Kbps 5 : 500Kbps 6 : 600Kbps 7 : 700Kbps 8 : 800Kbps 9 : 900Kbps 10 : 1Mbps 20 : 2Mbps 30 : 3Mbps 40 : 4Mbps 50 : 5Mbps 60 : 6Mbps 70 : 7Mbps 80 : 8Mbps 90 : 9Mbps 100 : 10Mbps 130 : 13Mbps 160 : 16Mbps 190 : 19Mbps 220 : 22Mbps 250 : 25Mbps
Maximum Bitrate	MaxCvbrRatio	MAXCVBRRATIO	
GOP Structure	GOPVALUE	GopValue	1~64
When M-JPEG			
Image Quality	QUALITY	Quality	0 : LowComp 1 : Higest 2 : High 3 : Normal 4 : Low 5 : Lowest
All Codec Common - Motion			
Motion Detection Area	MDMASK	MdMask	"Top1:Left1:Bottom1:Right1: T2:L2:B2:R2: T3:L3:B3:R3: T4:L4:B4:R4:

			0:0" "0:0:0:0:0:0:0:0:0:0:0:0" Top = 0 ~ 255 Left = 0 ~ 255 Bottom = 0 ~ 255 Right = 0 ~ 255
Motion Sensitivity	MDSENS	MdSens	0~100

Web Admin – System – Date & Time – Time Zone List



Home | Live View | **Admin**

on - Internet Explorer

Local

Date (yyyy/mm/dd)	
Time (hh:mm:ss)	
Time Zone	
Service	
NTP server address	
Period	
NTP sever time	

Back Apply Refresh

Notice : When changing the 'Time Zone', it is strongly recommended to reboot the camera after clicking the "Apply" button.

Cf 1: TimeZone - US/Pacific

(All contents below should be entered.)

<http://192.168.0.104/cgi-bin/admin/nsssetntpconf.cgi?>

NssTimeZoneChange=1&

NssTimeZone=US/Pacific&

NssYear=2021&

NssMonth=12&

NssDay=14&

NssHour=8&

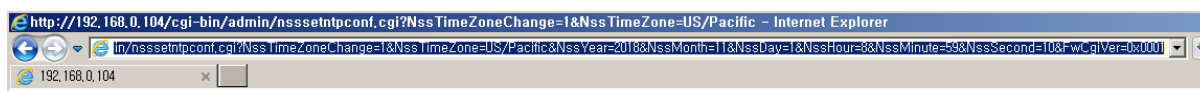
NssMinute=59&

NssSecond=10&

FwCgiVer=0x0001

<http://192.168.0.53/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=US/Pacific&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001>

CGI COMMAND WEB INPUT IMAGE (IE , chrome...)



Cf 2: TimeZone - **US/Central** (All contents below should be entered.)

<http://192.168.0.104/cgi-bin/admin/nsssetntpconf.cgi?>

NssTimeZoneChange=1&

NssTimeZone=**US/Central**&

NssYear=2021&

NssMonth=12&

NssDay=14&

NssHour=8&

NssMinute=59&

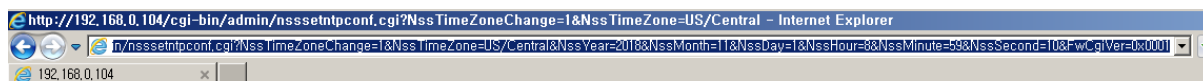
NssSecond=10&

FwCgiVer=0x0001

[http://192.168.0.53/cgi-](http://192.168.0.53/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=US/Central&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001)

[bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=US/Central&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001](http://192.168.0.53/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=US/Central&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001)

CGI COMMAND WEB INPUT IMAGE (IE , chrome...)



NTP time sync command

[IP address]/cgi-bin/admin/nsssyncntpserver.cgi?SvrAddr='pool.ntp.org'&FwMkChg=YES&CgiVer=0x0001

<http://192.168.0.53/cgi-bin/admin/nsssyncntpserver.cgi?SvrAddr='pool.ntp.org'&FwMkChg=YES&CgiVer=0x0001>

