

1. B/W LPR (Global Shutter) Camera Settings CGI Guide

Check value (fwcamctlget.asp)

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? **[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? **DclrisEnable=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	DclrisEnable	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 (Only available in ['7','C'] camera)	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
Audio	AUDIOINSTALLED0 AUDIOINSTALLED1 AUDIOINSTALLED2	AudioInstalled0 AudioInstalled1 AudioInstalled2	value=0> disable value=1> enable

2.Overview Camera Settings page (For color)

Check value (fwcamctlget.asp)

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? CGI(Set value)=[IndexValue]&FwCgiVer=0x0001
↳What you want to set ↳Essential

Example

http://192.168.216.11/cgi-bin/admin/fwcamctlset.cgi? **Brightness=128&FwCgiVer=0x0001**

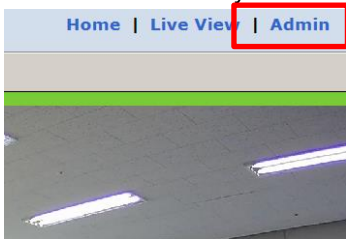
http://192.168.216.11/cgi-bin/admin/fwcamctlset.cgi? **Tdn=2&Brightness=255&FwCgiVer=0x0001**

	ASP(Get value)	CGI(Set value)	Index Value
Lens Type	LENS	Lens	value=0>ELC value=1>ALC
Brightness	BRIGHTNESS	Brightness	Default : 128, Range : [0, 255]
Shutter	SHUTTER	Shutter	value=0> Auto value=1> Manual value=2> Flicker
Lens ELC Mode	SHTMODE	ShtMode	value=0> Normal value=1> Deblur
Lens ALC Mode	DCMODE	DcMode	value=0> Indoor value=1> Outdoor value=2> Deblur
Manual Shutter Speed	SHUTTERSPEED	ShtterSpeed	value=0>1/30 value=1> 1/60 value=2> 1/120 value=3> 1/250 value=4> 1/500 value=5> 1/1000 value=6> 1/2000 value=7> 1/4000 value=8> 1/8000 value=9> 1/15000 value=10> 1/30000
Sens Up	DSS	Dss	value=0>Off value=1> x2 value=2> x4 value=3> x8 value=4> x16 value=5> x32
Agc	AGC	Agc	Default : 91, Range : [0, 255]
BackLight Mode	BACKLIGHT	BackLight	value=0>Off value=1> Hlc value=2> Blc value=3> Wdr
Hlc Level	HLMASKTHRS	HIMaskThrs	Default : 18, Range : [0, 20]
Hlc Mask Color	HLMASKCOLOR	HIMaskColor	value=0> White value=1> Yellow

			value=2> Cyan value=3> Green value=4> Magnet value=5> Red value=6> Blue value=7> Black
Blc H-Pos	BLCPOSX	BlcPosX	Default : 8, Range : [0, 20]
Blc V-Pos	BLCPOSY	BlcPosY	Default : 7, Range : [0, 20]
Blc H-Size	BLCSIZX	BlcSizX	Default : 3, Range : [0, 20]
Blc V-Size	BLCSIZY	BlcSizY	Default : 3, Range : [0, 20]
WDR Weight	WDRWEIGHT	WdrWeight	value=0> Low value=1> Middle value=2> High
Day & Night Mode	TDN	Tdn	value=0> Auto value=1> Color value=2> B&W value=3> Extern
Led On	LEDON	LedOn	value=0> off value=1> on
Anti Saturation	LEDSATCTRL	LedSatCtrl	Default : 0, Range : [0, 20]
AGC Threshold	TDNTHRS	TdnThrs	Default : 10, Range : [0, 20]
AGC Margin	TDNMARG	TdnMarg	Default : 10, Range : [0, 20]
Delay	TDNDLY	TdnDly	value=0> 1sec value=1> 3sec value=2> 5sec value=3> 10sec value=4> 15sec
IR Signal(Night)	TDNSW	TdnSw	value=0> High value=1> Low
Day to Night Threshold	TDNDNTHRES	TdnDnThres	Default : 9, Range : [0, 20]
Night to Day Threshold	TDNNDTHRES	TdnNdThres	Default : 7, Range : [0, 20]
White Balance Mode	AWB	Awb	value=0> Auto value=2> Preset value=3> Manual
Kelvin	AWBMNL	AwbMnl	value=0> 3000K value=1> 5000K value=2> 8000K
Manual RGain	RGAIN	Rgain	Default : 10, Range : [0, 20]
Manual BGain	BGAIN	Bgain	Default : 10, Range : [0, 20]
Color Gain	SATURATION	Saturation	Default :128, Range : [0, 255]
2DNR Level	ADNR	Adnr	Default :8, Range : [0, 255]
3DNR Level	ADNR3D	Adnr3D	Default :51, Range : [0, 255]
Sharpness	SHARPNESS	Sharpness	Default :128, Range : [0, 255]
Gamma	GAMMA	Gamma	value=0> 0.45 value=1> 0.55 value=2> 0.65 value=3> 0.75
Mirror	MIRROR	Mirror	value=0> Off value=1> On

Flip	FLIP	Flip	value=0> Off value=1> On
D-Zoom	DZOOM	Dzoom	Default :10, Range : [1,64]
D-WDR	ACE	Ace	value=0> Off value=1> Low value=2> Middle value=3> High
Defog	DEFOG	Defog	value=0> Off value=1> On
Defog Mode	DEFOGMODE	DefogMode	value=0> Manual value=1> Auto
Defog Level	DEFOGLEVEL	DefogLevel	value=0> Low value=1> Middle value=2> High

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



Date (yyyy/mm/dd)	
Time (hh:mm:ss)	
Time Zone	<ul style="list-style-type: none"> Australia/Broken_Hill Australia/Canberra Australia/Currie Australia/Darwin Australia/Eucla Australia/Hobart Australia/LHI Australia/Lindeman Australia/Lord_Howe Australia/Melbourne Australia/North Australia/NSW Australia/Perth Australia/Queensland Australia/South Australia/Sydney Australia/Tasmania Australia/Victoria Australia/West Australia/Yancowinna Brazil/Acre Brazil/DeNoronha Brazil/East Brazil/West Canada/Atlantic Canada/Central Canada/Eastern Canada/East-Saskatchewan Canada/Mountain Canada/Newfoundland
Service	
NTP server address	
Period	
NTP server time	

Notice : When changing reboot the cam. After the reboot, the user ID and password are required.

Cf 1: TimeZone - Australia/Sydney

(All contents below should be entered.)

[http://192.168.0.104/cgi-bin/admin/nsssetntpconf.cgi?](http://192.168.0.104/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=Australia/Sydney&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001)

NssTimeZoneChange=1&

NssTimeZone=Australia/Sydney&

NssYear=2021&

NssMonth=12&

NssDay=14&

NssHour=8&

NssMinute=59&

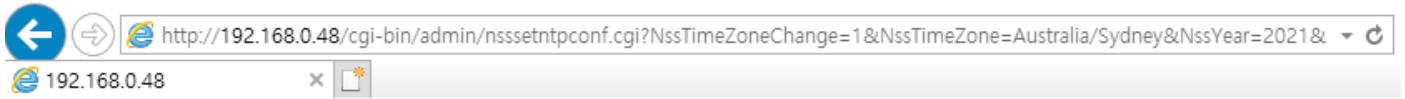
NssSecond=10&

FwCgiVer=0x0001

[http://192.168.0.48/cgi-](http://192.168.0.48/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=Australia/Sydney&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001)

[bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=Australia/Sydney&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001](http://192.168.0.48/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=Australia/Sydney&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001)

CGI COMMAND WEB INPUT IMAGE



Cf 2: TimeZone - Australia/Melbourne

(All contents below should be entered.)

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

NssTimeZoneChange=1&

NssTimeZone=**Australia/Melbourne**&

NssYear=2021&

NssMonth=12&

NssDay=14&

NssHour=8&

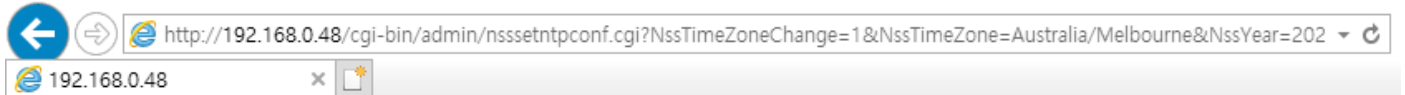
NssMinute=59&

NssSecond=10&

FwCgiVer=0x0001

<http://192.168.0.48/cgi-bin/admin/nsssetntpconf.cgi?NssTimeZoneChange=1&NssTimeZone=Australia/Melbourne&NssYear=2021&NssMonth=12&NssDay=14&NssHour=8&NssMinute=59&NssSecond=10&FwCgiVer=0x0001>

CGI COMMAND WEB INPUT IMAGE



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>

