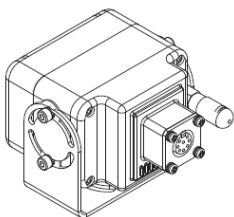


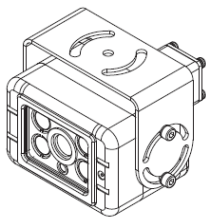
# **Global Shutter Single Lens LPR CAM Quick Guide**



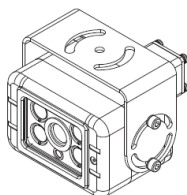
# Overview



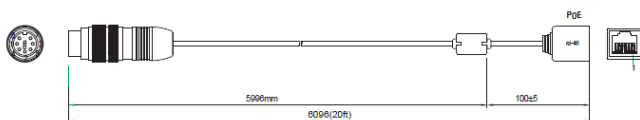
GPCL-xxxLA4GN



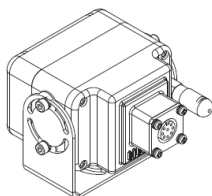
GPCL-xxxLA5GN



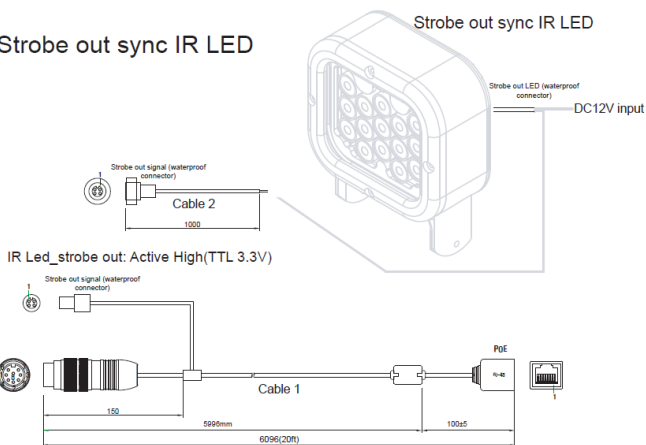
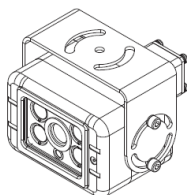
GPCL-xxxLA4GN standard



GPCL-xxxLA5GN with Strobe out sync IR LED  
(Option)



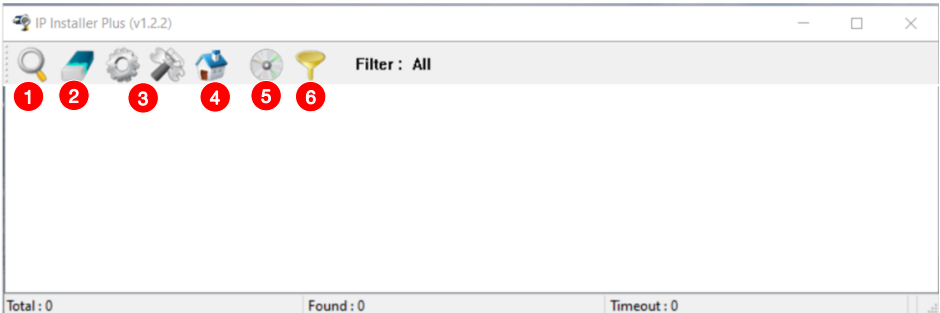
GPCL-xxxLA5GN



# IP Installer

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In order to have the camera viewable on the network, IP address has to be assigned first. When a user double clicks IP Installer Plus.exe file which a software downloaded from the web page will help to search IP camera and change the IP address easily.



- 1 SEARCH : Enable to search IP cameras in the network and display the list of searched cameras.
- 2 ALL CLEAR : Displayed cameras are all cleared.
- 3 IP SETUP : After Search, select the displayed camera and click "IP SETUP" to change IP address, Gateway and Net Mask.
- 4 WEB : Go to the web viewer page for the selected camera.
- 5 UPDATE : Firmware can be updated. Before updating, please load firmware from PC.
- 6 FILTER : Search IP camera by MAC address or IP range.

# Default IP Address

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Factory default value of IP camera is like below.

- **IP : 192.168.0.100**
- **SM : 255.255.255.0**
- **GW : 192.168.0.1**

When you connect IP camera and PC directly, please assign the IP address of PC by choosing any numbers from 2 to 254 except "100" as shown below.

- **IP : 192.168.0.150**
- **SM : 255.255.255.0**
- **GW : 192.168.0.1**

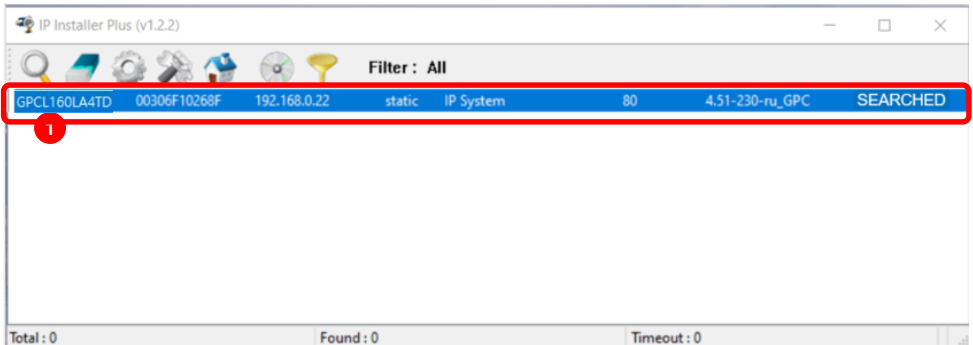
After connection, allow to install ActiveX (Web Live Player software) on PC. For the installation of ActiveX, please refer to the following page.

※ **Available OS : XP, VISTA, WIN 7/8/10/11(32/64bit)**

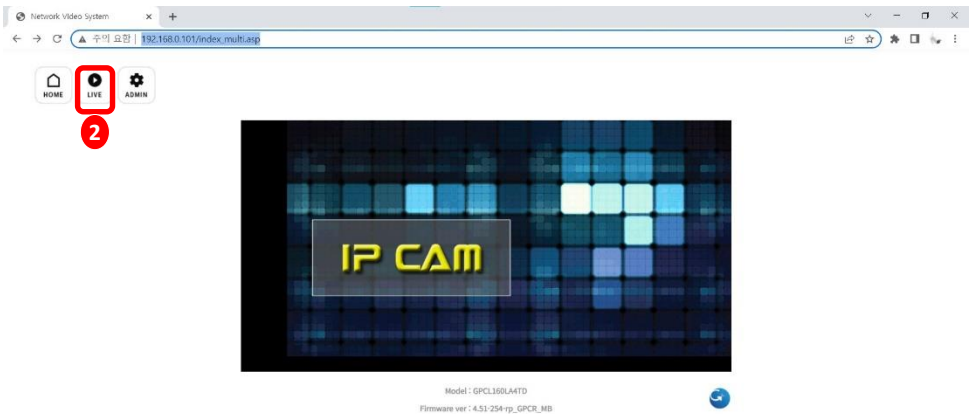
# LIVE VIEW

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## ActiveX(Web Live Player) Installation



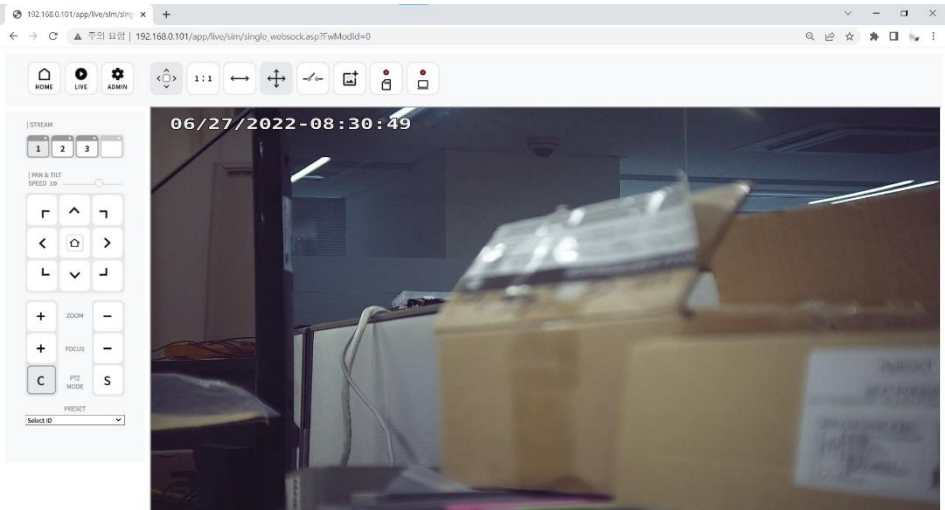
- 1 Double click the searched model.



- 2 Click 'Live View' to start monitoring the video streaming.

# LIVE VIEW

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- 6 Monitoring the video stream in live.

# WEB SETTING



- 1 Click 'Admin' to get into the camera setting.

Sign in  
http://192.168.0.101  
Your connection to this site is not private

Username

Password

Default ID & PW

- User ID : **root**
- Password: **root**

≡ Network  
 ≡ System  
 ≡ Video & Audio  
   ≡ **Stream Setup**  
     ≡ Camera Setup  
     ≡ Text OSD  
     ≡ Motion Detection  
     ≡ Audio Detection  
     ≡ ROI  
     ≡ Privacy Zone  
 ≡ Device  
 ≡ Recording  
 ≡ Advanced  
 ≡ Utilities

**Stream Setup**

Max Frame Rate	<input type="radio"/> 30 fps <input checked="" type="radio"/> 25 fps
Video with Flexible Extra System data	<input checked="" type="checkbox"/> Enable
Video with user defined message	<input type="checkbox"/> Enable
Video with PPP status	<input type="checkbox"/> Enable
Video with camera name	<input type="checkbox"/> Enable
Video with server name	<input type="checkbox"/> Enable
Video with IP address	<input type="checkbox"/> Enable
Time Stamp	<input type="checkbox"/> Off <input type="checkbox"/> On
TV Out	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Audio Codec	G.711 μ-LAW

**Primary | Secondary | Tertiary**

Camera Name	Primary Stream
Frame Rate	25 fps
Image Size	2048 x 1536
Encoding Standard	H.264
H.264 Profile	<input type="radio"/> Main <input checked="" type="radio"/> High
Rate Control Mode	CBR Mode
Target Bitrate	8.0 Mbps
GOP Structure	60 [1~100]
Audio	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Max. Video Encoding 3M x 30 fps

The video quality can be different according to "Target Bitrate".  
The default setting is "8Mbps".

# RECOMMENDED Video & Device/Camera Settings

Default(Day)   Night Mode   DI Mode   Motion Mode	
Event Control Mode	
Change Mode to	<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night <input type="checkbox"/> DI <input type="checkbox"/> Motion
Exposure	
DC IRIS Enable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
AE Metering Mode	Center <input type="button" value="v"/>
Shutter Control	<input checked="" type="radio"/> Manual <input type="radio"/> Auto
Shutter Time Min	1 / 16000 (30 ~ 32000)
Shutter Time Max	1 / 500 (30 ~ 32000)
Max AGC gain	36 (Default:36, 0 ~ 72)
Sense Up Level	Off <input type="button" value="v"/>
Back Light Compensation	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Auto Exposure Weight	100 % (Default:100, 25 ~ 400)
DOL WDR Enable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
D-WDR	0 (Default:0, 0 ~ 128)
Strobe Delay	0 (Default:0, -50 ~ 50)
Image Filter	
Brightness	0 (Default:0, -255 ~ 255)
Contrast	64 (Default:64, 0 ~ 128)
Hue	0 (Default:2, -15 ~ 15)
Saturation	64 (Default:80, 0 ~ 255)
Sharpness	6 (Default:6, 0 ~ 11)
White Balance & Noise Filter	
White Balance	Auto <input type="button" value="v"/>
3DNR	5 (0 ~ 11)
Day/Night & IR LED Illumination	
Day & Night Control	Auto(Night B/W) <input type="button" value="v"/>
Day to Night Dwelling Time	3 (0 ~ 6)
Night to Day Dwelling Time	3 (0 ~ 6)
Day to night threshold	1000 (1 ~ 4096)
Night to day threshold	1500 (1 ~ 4096)
Image Direction	
Vertical Flip	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Horizontal Flip	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Corridor Mode	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Change 3DNR (Digital Noise Reduction). The noise can be reduced at 5~11.



Apply



# RECOMMENDED Video & Device/Camera Settings

Default(Day)   <b>Night Mode</b>   DI Mode   Motion Mode	
Event Control Mode	
Change Mode to	<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> DI <input type="checkbox"/> Motion
Exposure	
DC IRIS Enable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
AE Metering Mode	Center <input checked="" type="checkbox"/> <input type="checkbox"/> Multi
Shutter Control	<input checked="" type="radio"/> Manual <input type="radio"/> Auto
Shutter Time Min	1 / 2000 (25 ~ 32000)
Shutter Time Max	1 / 2000 (25 ~ 32000)
Max AGC gain	35 (Default:35, 0 ~ 72)
Sense Up Level	Off <input checked="" type="checkbox"/> <input type="checkbox"/> On
Back Light Compensation	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Auto Exposure Weight	30 % (Default:100, 25 ~ 400)
DOL WDR Enable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
D-WDR	0 (Default:0, 0 ~ 128)
Strobe Delay	0 (Default:0, -50 ~ 50)
Image Filter	
Brightness	0 (Default:0, -255 ~ 255)
Contrast	64 (Default:64, 0 ~ 128)
Hue	2 (Default:2, -15 ~ 15)
Saturation	80 (Default:80, 0 ~ 255)
Sharpness	6 (Default:6, 0 ~ 11)
White Balance & Noise Filter	
White Balance	Auto <input checked="" type="checkbox"/> <input type="checkbox"/> Manual
3DNR	5 (0 ~ 11)
Day/Night & IR-LED Illumination	
Day & Night Control	Auto(Night B/W) <input checked="" type="checkbox"/> <input type="checkbox"/> Day
Day to Night Dwelling Time	3 (0 ~ 6)
Night to Day Dwelling Time	3 (0 ~ 6)
Day to night threshold	1000 (1 ~ 4096)
Night to day threshold	1500 (1 ~ 4096)
Image Direction	
Vertical Flip	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Horizontal Flip	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Corridor Mode	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Copy Default to Night

Apply

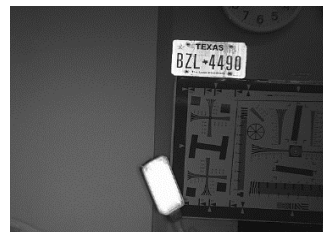
Auto Exposure Weight.  
Reduce the saturation.  
Set up the value less than **30**.



Auto Exposure Weight. **50**.



Auto Exposure Weight. **70**.

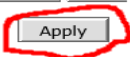


Auto Exposure Weight. 100



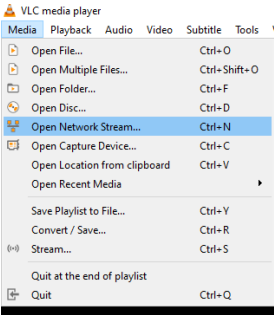
# RECOMMENDED Video & Device/Camera Settings

<b>Default(Day)   Night Mode   DI Mode   Motion Mode</b>				
Event Control Mode				
Change Mode to	Day	Night	DI	Motion
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposure				
DC IRIS Enable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable			
AE Metering Mode	Center <input type="button" value="v"/>			
Shutter Control	<input checked="" type="radio"/> Manual <input type="radio"/> Auto			
Shutter Time Min	1 / 16000		(30 ~ 32000)	
Shutter Time Max	1 / 500		(30 ~ 32000)	
Max AGC gain	36		(Default:36, 0 ~ 72)	
Sense Up Level	Off <input type="button" value="v"/>			
Back Light Compensation	<input type="radio"/> Enable <input checked="" type="radio"/> Disable			

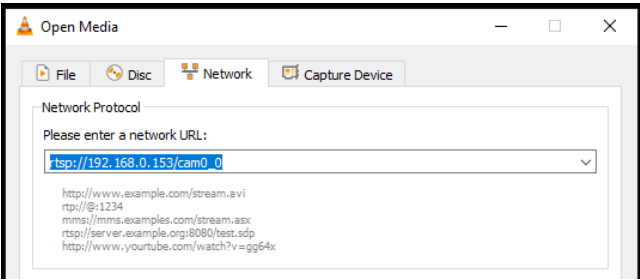


\*\*\* After Night Mode setting is done, return to Default(Day) and click “Apply” button again.

# RTSP Connection – VLC Media Player



Primary Streaming (h264, H265) : rtsp://192.168.0.100/cam0\_0  
Secondary Streaming (h264, H265) : rtsp://192.168.0.100/cam0\_1  
Tertiary Streaming (h264, H265) : rtsp://192.168.0.100/cam0\_2



# ONVIF Device Manager



Onvif Device manager (ID : root , Password : root)

