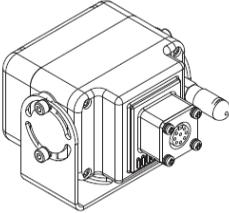


# Global Shutter Single Lens LPR CAM Quick Guide

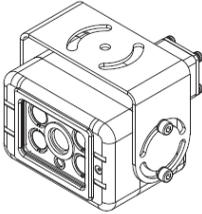
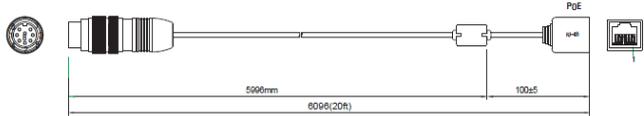


# Overview



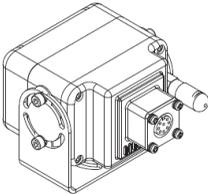
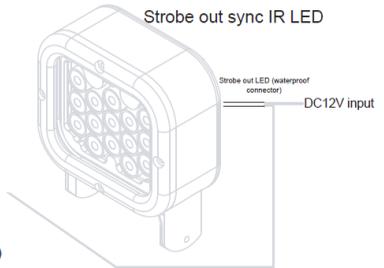
GPCL-xxxLA4GN

GPCL-xxxLA4GN standard

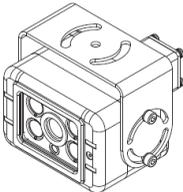
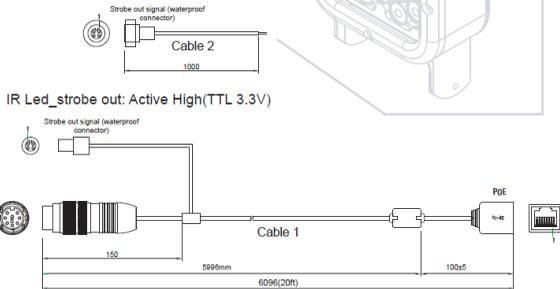


GPCL-xxxLA5GN with Strobe out sync IR LED  
(Option)

Strobe out sync IR LED



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**

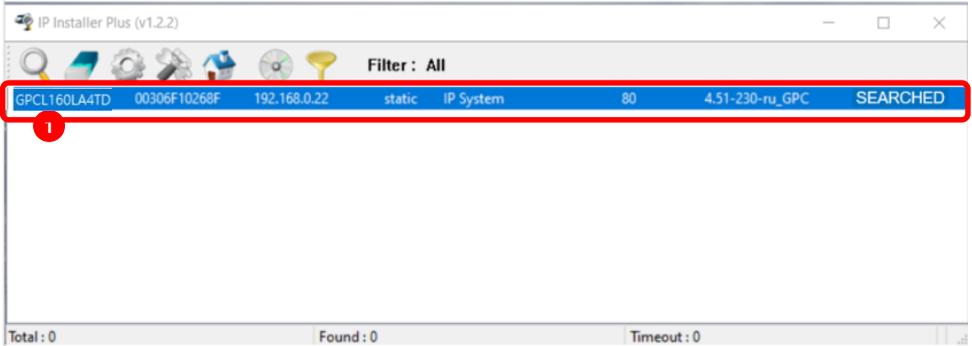
After connection, allow to install ActiveX (Web Live Player software) on PC. For the installation of ActiveX, please refer to the following page.

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

# LIVE VIEW

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## ActiveX(Web Live Player) Installation



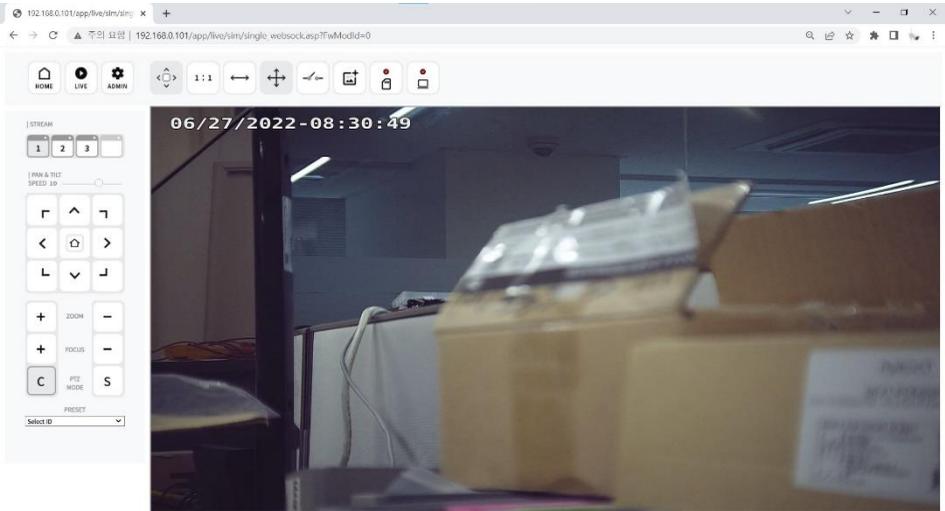
1 Double click the searched model.



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	Off <input type="button" value="v"/>
TV Out	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Audio Codec	G.711 $\mu$ -LAW <input type="button" value="v"/>

**Primary | Secondary | Tertiary**

Camera Name	Primary Stream
Frame Rate	25 fps <input type="button" value="v"/>
Image Size	2048 x 1536 <input type="button" value="v"/>
Encoding Standard	H.264 <input type="button" value="v"/>
H.264 Profile	<input type="radio"/> Main <input checked="" type="radio"/> High
Rate Control Mode	CBR Mode <input type="button" value="v"/>
Target Bitrate	8.0 Mbps <input type="button" value="v"/>
GOP Structure	60 <input type="button" value="v"/> [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"/> <b>Night</b> <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.



# RECOMMENDED Video & Device/Camera Settings

Default(Day)	Night Mode	DI Mode	Motion Mode
Event Control Mode			
Change Mode to	<input checked="" type="checkbox"/> Day	<input type="checkbox"/> Night	<input type="checkbox"/> DI
Exposure			
DC IRIS Enable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		
AE Metering Mode	Center <input checked="" type="checkbox"/> <input type="checkbox"/>		
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:50, 0 ~ 72)		
Sense Up Level	Off <input checked="" type="checkbox"/> <input type="checkbox"/>		
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"/>		
3DNR	5 (0 ~ 11)		
Day/Night & IR-LED Illumination			
Day & Night Control	Auto(Night B/W) <input checked="" type="checkbox"/> <input type="checkbox"/>		
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.



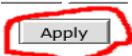
Auto Exposure Weight. 100



# RECOMMENDED Video & Device/Camera Settings

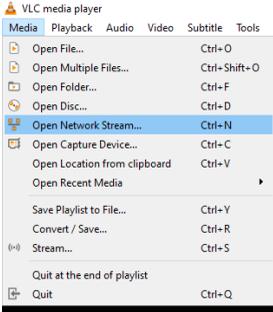
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<b>Default(Day)   Night Mode   DI Mode   Motion Mode</b>				
Event Control Mode				
Change Mode to	Day	Night	DI	Motion
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposure				
DC IRIS 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			

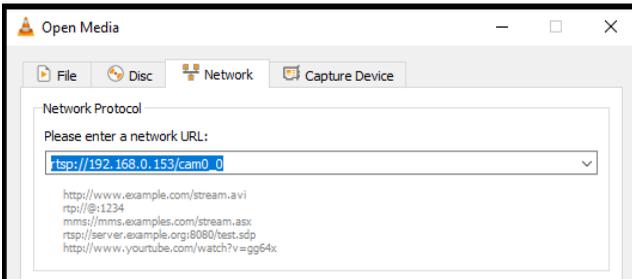


**\*\*\* After Night Mode setting is done, return to Default(Day) and click "Apply" button again.**

# 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)

