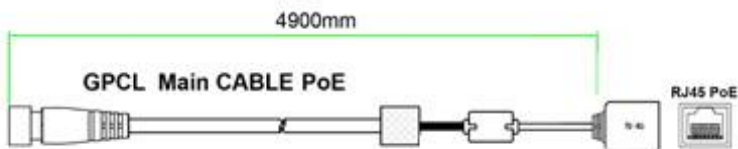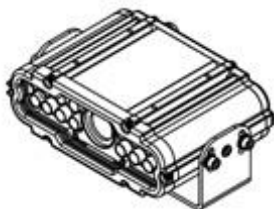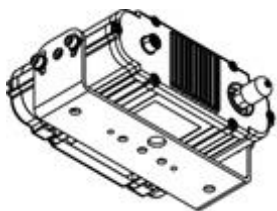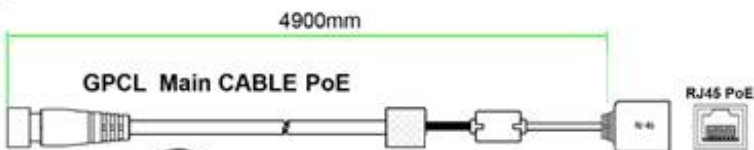# Global Shutter
Motorized Lens LPR Camera
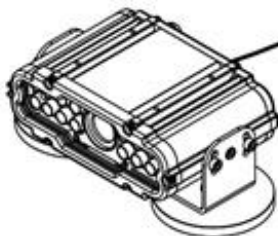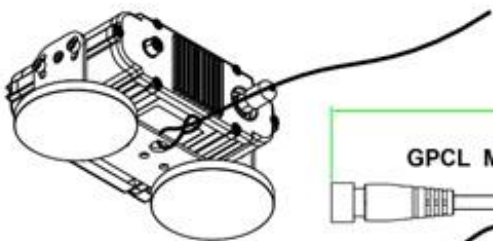# Quick Guide

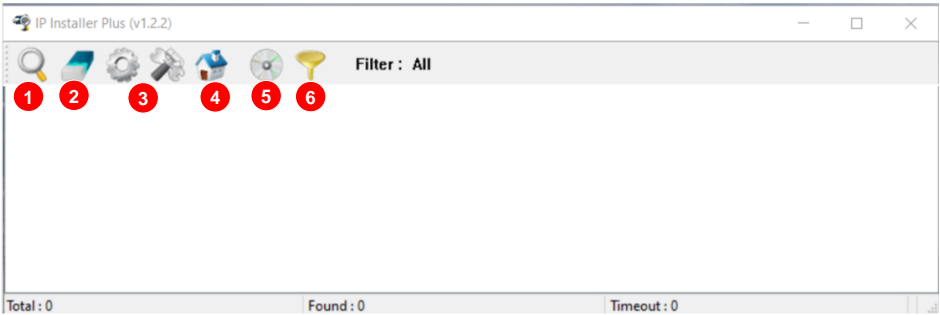# Overview

GPCL1240MA4GN (Standard)

GPCL1240MA4GN (Mac Mount Bracket - Option))

IP Installer

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

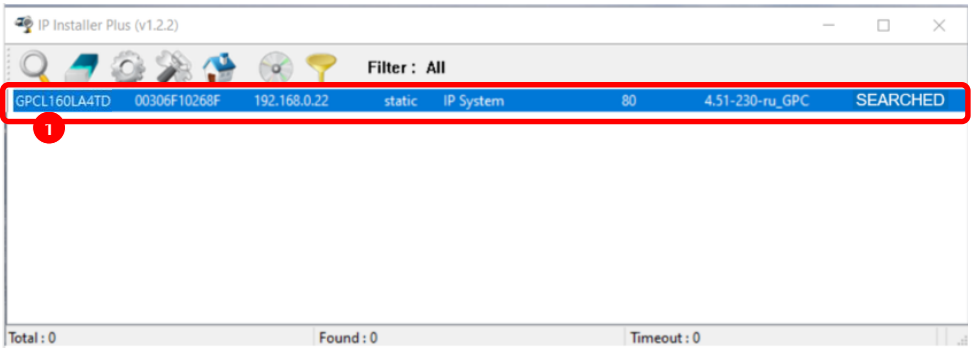Factory default value of IP camera is like below.

> • **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**

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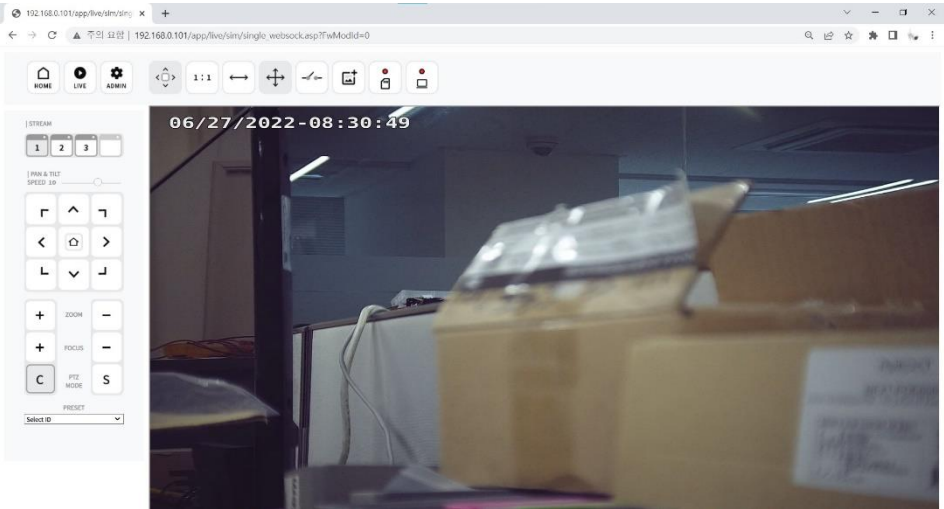
LIVE VIEW

1 Double click the searched model.

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

LIVE VIEW

③ Monitoring the video stream in live.

WEB SETTING

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

Default ID & PW
- User ID : root
- Password: root

RECOMMENDED Video & Device/Camera Settings

Default(Day) | **Night Mode** | **DI Mode** | **Motion Mode**

Event Control Mode				
	Day	Night	DI	Motion
Change Mode to	☐	☑	☐	☐

Exposure	
DC IRIS Enable	⦿ Enable ◯ Disable
AE Metering Mode	Center ✔
Shutter Control	⦿ Manual ◯ 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 ✔
Back Light Compensation	◯ Enable ⦿ Disable
Auto Exposure Weight	100 % (Default:100, 25 ~ 400)
DOL WDR Enable	◯ Enable ⦿ 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 ✔
3DNR	5 (0 ~ 11)

Day/Night & IR LED Illumination	
Day & Night Control	Auto(Night B/W) ✔
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	◯ Enable ⦿ Disable
Horizontal Flip	◯ Enable ⦿ Disable
Corridor Mode	◯ Enable ⦿ Disable

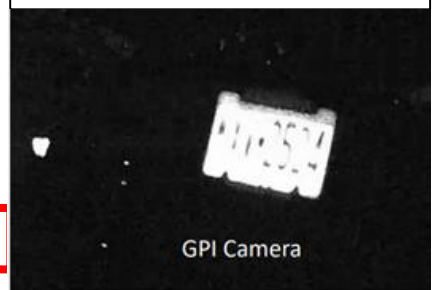Change 3DNR (Digital Noise Reduction). The noise can be reduced at 5~11.

Adaptive Recognition Camera

GPI Camera

Apply

RECOMMENDED Video & Device/Camera Settings

Event Control Mode

Change Mode to	Day	Night	DI	Motion
	☑	☐	☐	☐

Exposure

DC IRIS Enable	○ Enable ● Disable	
AE Metering Mode	Center	
Shutter Control	● Manual ○ Auto	
Shutter Time Min	1 / 3000	(30 ~ 32000)
Shutter Time Max	1 / 3000	(30 ~ 32000)
Max AGC gain	36	(Default:36, 0 ~ 72)
Sense Up Level	Off	
Back Light Compensation	○ Enable ● Disable	
Auto Exposure Weight	30	% (Default:100, 25 ~ 400)
DOL WDR Enable	○ Enable ● 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	
3DNR	5	(0 ~ 11)

Day/Night & IR-LED Illumination

Day & Night Control	Auto(Night B/W)	
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	○ Enable ● Disable
Horizontal Flip	○ Enable ● Disable
Corridor Mode	○ Enable ● Disable

Reduce the saturation..
Set up the value less than 25~**30**.

GPI Camera

Event Control Mode

Change Mode to	Day	Night	DI	Motion
	☐	☑	☐	☐

Exposure

|		
DC IRIS Enable	○ Enable ● Disable	
AE Metering Mode	Center	
Shutter Control	● Manual ○ 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	
Back Light Compensation	○ Enable ● Disable	

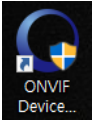***** After Night Mode setting is done, return to Default(Day) and click "Apply" button again.**
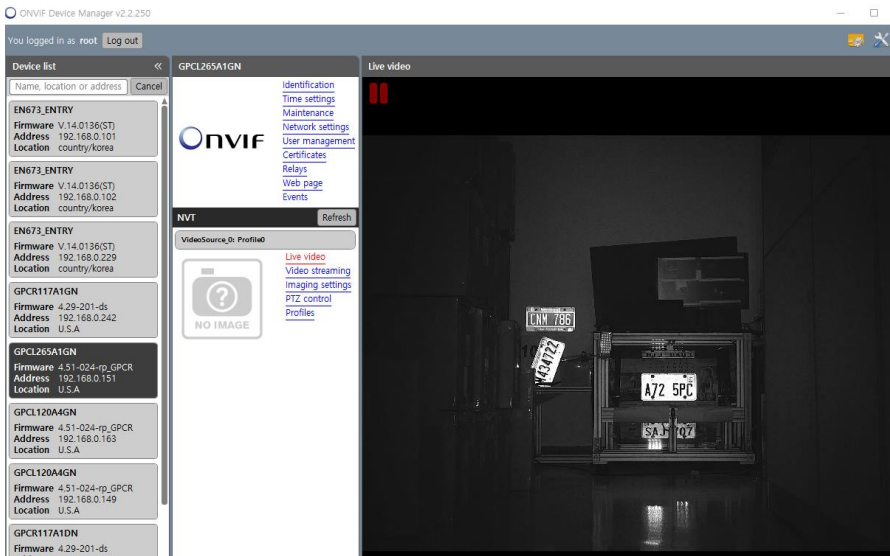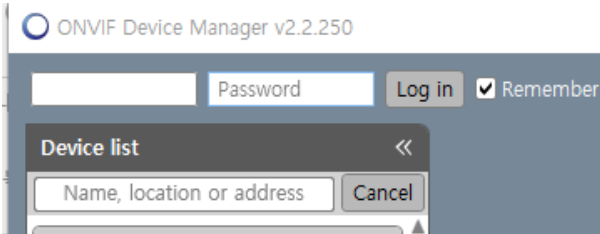
Apply

RTSP Connection – VLC Media Player
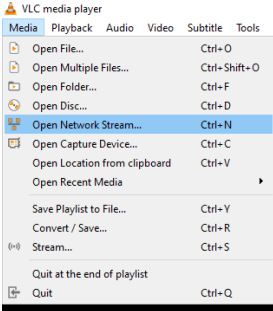
Primary Streaming (h264, H265) : rtsp://192.168.0.100/cam0_0
Secondary Streaming (h264, H265) : rtsp://192.168.0.100/cam0_1
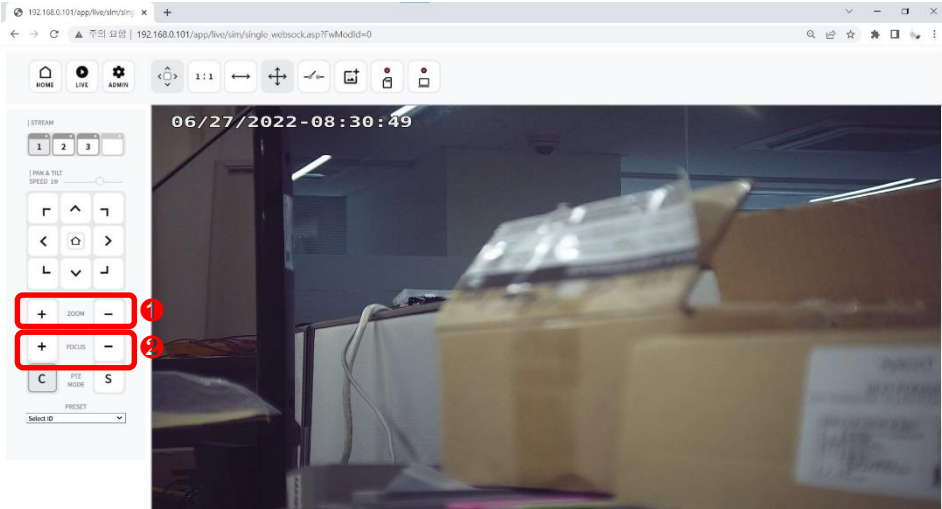Tertiary Streaming (h264, H265) : rtsp://192.168.0.100/cam0_2
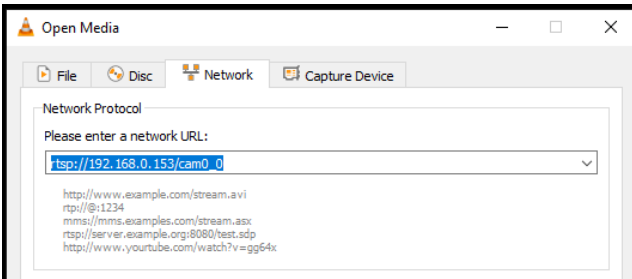
ONVIF Device Manager

ONVIF
Device...

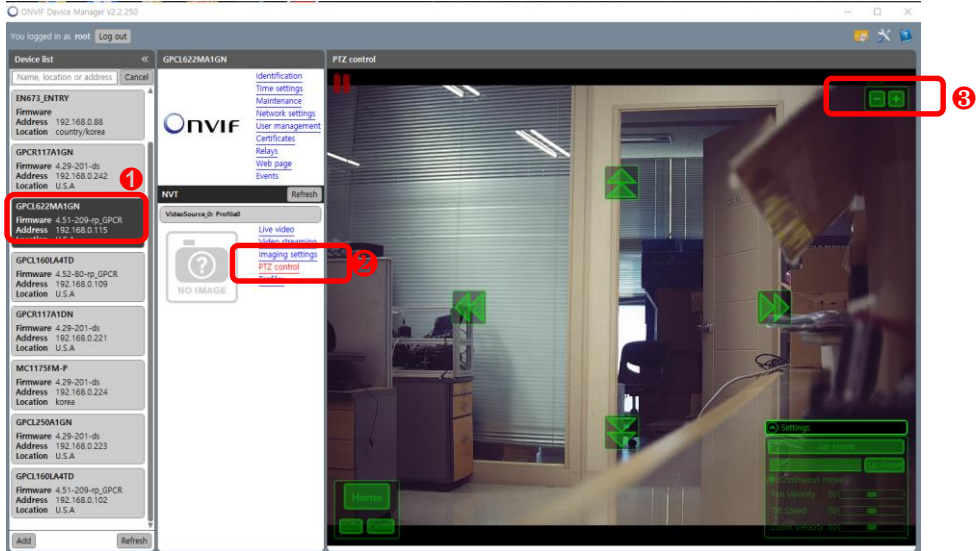## Onvif Device manager (ID : root , Password : root)

Motorized Lens Control

❶ Zoom "+", "-" : Zoom in or Zoom out.
Auto focusing takes 5 ~ 10 seconds.

❷ Focus "+" , "-" : Focusing manually. Far or Near

CGI command "Zoom" "Focus" Control

❶	Zoom IN(TELE) start	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000010B&PtzParm=0x0000000F&RcvData=NO&FwCgiVer=0x0001
	Zoom IN(TELE) stop	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000020B&PtzParm=0x0000000F&RcvData=NO&FwCgiVer=0x0001
	Zoom OUT(WIDE) Start	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000010C&PtzParm=0x0000000F&RcvData=NO&FwCgiVer=0x0001
	Zoom OUT(WIDE) Stop	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000020C&PtzParm=0x0000000F&RcvData=NO&FwCgiVer=0x0001
❷	Focus NEAR Start	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000010D&PtzParm=0x00000000&RcvData=NO&FwCgiVer=0x0001
	Focus NEAR Stop	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000020D&PtzParm=0x00000000&RcvData=NO&FwCgiVer=0x0001
	Focus FAR Start	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000010E&PtzParm=0x00000000&RcvData=NO&FwCgiVer=0x0001
	Focus FAR Stop	http://Camera IP/cgi-bin/fwptzctr.cgi?FwModId=0&PortId=0&PtzCode=0x0000020E&PtzParm=0x00000000&RcvData=NO&FwCgiVer=0x0001

Motorized Lens Control (Onvif Device Manager)

❶ Select the camera on Onvif Device Manager.
   * Onvif Device Manager Login Password: root / root

❷ Click "PTZ Control"
   PTZ control icon will be overlaid on the display.

❸ Click Zoom In(+) or Out(-)