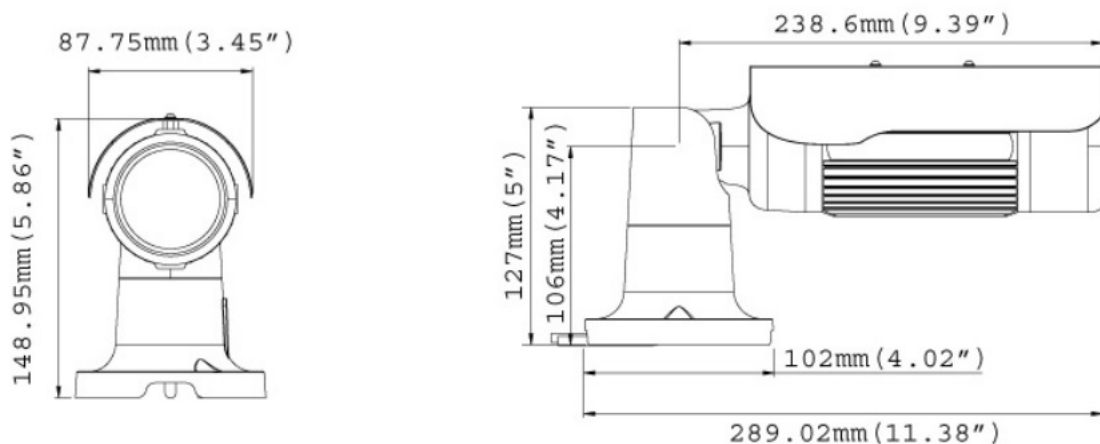# GV-IP LPR Camera 5R   1.3 MP B/W Network Camera

ONVIF

- 1.3 megapixel B/W progressive scan CMOS
- Motorized varifocal lens for remote focus / zoom adjustment
- Dual streams from MJPEG or H.264
- Up to 30 fps at 1280 x 1024
- Recognition for reflective License Plate only
- Maximum Speed 60 km/h (37 mph)
- Ingress protection (IP67)
- Vandal Resistance (IK10 for metal casing)
- Built-in 12 IR LEDs
- Built-in fan
- Defog
- Motion detection
- Privacy mask
- Text Overlay
- IP address filtering
- Power supplied through PoE (IEEE 802.3 at)
- Support for iPhone, iPad, Android and 3GPP
- ONVIF (Profile S) conformant
- 31 languages on Web interface

INTRODUCTION

Ideal for parking lot installation, the GV-IP LPR Camera 5R is a 1.3 MP B/W network camera designed for recognition of reflective license plates on vehicles traveling at 60 km/hr (37 mph) or less. With its multiple LEDs and intelligent IR, the camera is able to automatically adjust its shutter speed to the scene and produce clear license plate capture under low-light conditions. The motorized varifocal lens take the advantage of its motorized focus / zoom in that the user can remotely adjust the focus and zoom through the Web interface. It is weather proof (IP67) and also able to work in environments with temperatures ranging from -10°C (14°F) to 50°C (122°F).

DIMENSIONS

87.75mm(3.45")
148.95mm(5.86")

238.6mm(9.39")
127mm(5")
106mm(4.17")
102mm(4.02")
289.02mm(11.38")

SPECIFICATIONS

Camera

Image Sensor	1/3" progressive scan CMOS
Picture Elements	1280 (H) x 1024 (V)
Shutter Speed	Automatic, Manual (1/500 ~ 1/8000 sec)
White Balance	Automatic, Manual (2800K ~ 8500K)
S/N Ratio	50 dB
Max. Speed	60 km/h (37 mph)

Lens

Megapixel		Yes
Lens Type		Motorized varifocal lens
Focal Length		3~ 9 mm
Maximum Aperture		F/1.2
Mount		Ø14 mm
Image Format		1/2.7"
Operation	Focus	Auto Focus
	Zoom	3X Optical Zoom
	Iris	DC drive
IR Led Quantity		12
IR Distance		5m (16.4 ft.)

Operation

Video Compression	H.264, MJPEG
Video Stream	Stream 1 from H.264 and MJPEG Stream 2 from H.264 and MJPEG
Frame Rate	30 fps at 1280 x 1024 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes)
Image Setting	Brightness, Contrast, Sharpness, Gamma, Image Orientation, Shutter Speed, Defog, Zoom, Focus Change
Audio Compression	N/A
Two-way Audio	N/A
Sensor Input	N/A
Alarm Output	N/A

Video Resolution

Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240
	16:9	1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256
TV-Out		N/A

Network

Interface	10/100 Base-T Ethernet, RJ-45 connector
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)

Mechanical

Temperature Detector		Yes
Camera Adjustment	Pan	0° ~ 360°
	Pan	90° ~ 180°
	Rotate	0° ~ 360°
Connectors	Power	PoE
	Ethernet	RJ-45
	Audio	N/A
	Digital I/O	N/A

General

Environment Temperature		-10°C ~ 50°C (14°F ~ 122°F)
Humidity		10% to 90% (no condensing)
Power Source		PoE (IEEE802.3at)
Max. Power Consumption		16.6 W
Dimension (L X W X H)	Camera Body	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")
	Cable Length	1 m (3.28 ft.)
Weight		1.4 Kg (3.08 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Fan		Constantly On
Regulatory		CE, FCC, C-Tick, RoHS compliant

Power over Ethernet

PoE Standard	IEEE 802.3at Power over Ethernet / PD
PoE Power Supply Type	End-Span
PoE Power Output	DC 48V, 345mA (16.6W Max.)

Web Interface

Installation Management	Web-based configuration
Firmware Upgrade	Remote upgrade through Web browser or GV-IP Device Utility included in the Software DVD
Access from Web Browser	Camera live view, video recording, change video quality, bandwidth control, image snapshot, audio, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay
Language	Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian / Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish

Applications

Network Storage	GV-NVR, GV-System, GV-Recording Server
Smart Device Access	- GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch - GV-Eye HD for iPad. - embedded 3GPP/ISMA browser
Live Viewing	IE , GV-MultiView
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

Note: Specifications are subject to change without notice.

Packing List

- GV-IP LPR Camera 5R
- Self Tapping Screw x 3
- Plastic Screw Anchor x 3
- Torx Wrench x 2
- Sun-Shield Cover Kit (1 Sun-Shield Cover, 2 Philips Head Screws, 2 Plastic Screw Spacers and 2 Hexagon Screws included)
- Silica Gel Bag x 2 (1 already installed)
- GV-LPR Capture Dongle
- GV-IP LPR Camera Software DVD
- GV-NVR Software DVD
- GV-ASManager Software DVD

Accessory

Model No	Name	Details
GV-Mount300	Convex Corner Adapter Kit	Dimensions: 238.6 x 409.5 mm (9.4 x 16.1") Weight: 4.27 Kg (9.41 lbs)
GV-Mount310	Concave Corner Adapter Kit	Dimensions: 238.6 x 409.5 mm (9.4 x 16.1") Weight: 4.27 Kg (9.41 lbs)
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")	Bracket: 241 x 161 mm (9.5 x 6.3") Weight: 1.70 Kg (3.75 lbs) Steel Strap Diameter: Ø 4" ~ 6"
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")	Bracket: 241 x 161 mm (9.5 x 6.3") Weight: 1.70 Kg (3.75 lbs) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-PA191	Power over Ethernet (PoE) Adapter	The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.