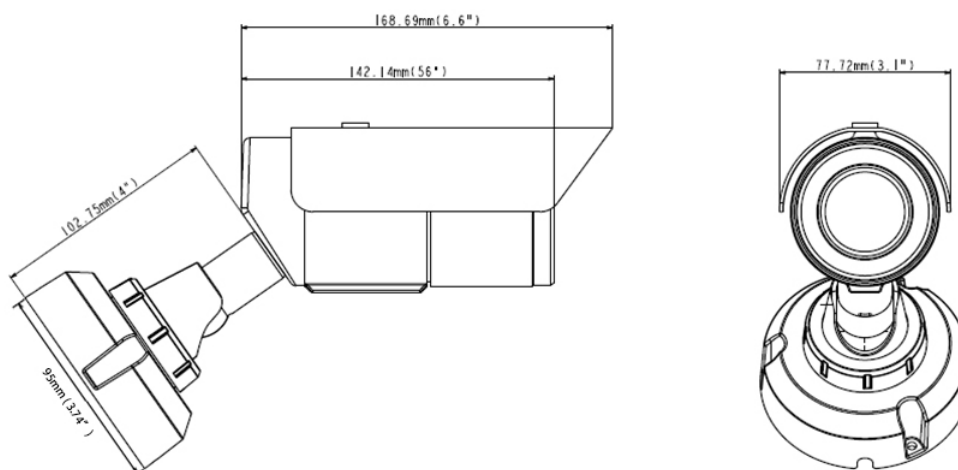# GV-LPC2011 2MP 3x Zoom Super Low Lux Color Network Camera

- 1/2.8" color progressive scan super low lux CMOS
- Motorized varifocal lens for remote focus / zoom adjustment
- Dual streams from MJPEG or H.264
- Up to 30 fps at 1920 x 1080
- Maximum speed 60 km/h (37 mph)
- Recognition for reflective License Plate only
- Intelligent IR
- Day and Night function (with removable IR-cut filter)
- Megapixel lens
- P-iris lens for auto iris control
- Maximum IR distance 10 m (35 ft)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR)
- 3D noise deduction
- Defog
- Motion detection
- Privacy Mask
- Text overlay
- Tampering Alarm
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- ONVIF (Profile S) conformant
- 30 languages on Web interface

Introduction

GV-LPC2011 is a 2 MP color network camera, designed for recognition of reflective license plates on vehicles traveling up at 60 km/h (37 mph) or less with extreme temperatures (-30°C ~ 50°C / -22°F ~ 122°F) resistance. It is weather proof (IP67). Equipped with a Super Low Lux CMOS image sensor, the camera displays a color live view at near darkness. Its multiple LEDs and build-in intelligent IR provide clear license plate for two lanes under low-light conditions at a maximum IR distance of 10 m (35 ft). The motorized varifocal lens takes the advantage of its motorized focus / zoom by which users can remotely adjust the focus and zoom through the Web interface. The camera also allows automatic and precise control of exposure using its P-iris, producing images with better clarity and contrast.

Dimensions

Specifications

Camera		
Image Sensor		1/2.8" progressive scan super low lox CMOS
Picture Elements		1920 (H) x 1080 (V)
Camera Type		Color, B/W
Minimum Illumination	Color	0.05 Lux
	B/W	0.04 Lux
	IR ON	0 Lux
Shutter Speed		Auto, Manual (1/120 ~ 1/2000 sec)
White Balance		Auto / Manual (2800K ~ 8500K)
S/N Ratio		56 dB
WDR		Yes
Dynamic Range		Up to 72 dB
Max. Speed		60 km/h (37 mph)

Lens		
Megapixel		2 MP
Day/Night		Yes
Lens Type		Motorized varifocal lens
Focal Length		3 ~ 9 mm
Maximum Aperture		F/1.7
Mount		Ø 14 mm
Image Format		1/2.7"
Horizontal FOV		102° ~ 40°
Operation	Focus	Remote Focus
	Zoom	3x Optical Zoom
	Iris	P-Iris
IR LED Quantity		24 IR LEDs
IR Distance		5 ~ 10 m (16 ~ 35 ft)

Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 or MJPEG
Frame Rate		30 fps at 1920 x 1080 (60/50 Hz) * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes)
Image Setting		Brightness, Contrast, Saturation, Sharpness, Gamma, Auto Exposure, White Balance, Flicker less, Image Orientation, Shutter Speed, Maximum Video Gain, D/N Sensitivity, Denoise, Defog, Metering.
Audio Compression		N/A
Audio Support		N/A

Video Resolution		
Main Stream	16:9	1920 x 1080 (Default), 1280 x 720
Sub Stream	16:9	640 x 360
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, SNMP, QoS (DSCP), ONVIF (Profile S)

Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	90° ~ 180°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	RJ-45
	Audio	N/A
	Digital I/O	N/A
	TV-Out	N/A
LED Indicator		N/A
General		
Environment Temperature	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% ~ 90% (non-condensing)
Power Source		DC 12V, PoE (IEEE 802.3af)
Max. Power Consumption		12.3 W
Dimensions		142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")
Weight		810 g (1.8 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant
Power over Ethernet		
PoE Standard		IEEE (802.3af Power over Ethernet / PD)
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 350 mA, Max. 15.4 watts
Web Interface		
Installation & Management		Web-based configuration
Firmware Upgrade		Remote upgrade through Web Browser, GV-IP Device Utility
Access from Web Browser		Camera Live View, Video Recording, Video Quality, Bandwidth Control, Image Snapshot, Picture in Picture, Picture and Picture, Privacy Mask, Tampering Alarm, Text Overlay, Motion Detection, IP Address Filtering, Digital PTZ
Language		Arabic / Bulgarian / Czech / Danish / Dutch / English /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-System (GV-DVR/NVR), GV-VMS, GV-Recording Server
Smart Device Access		GV-Eye for Android and iOS Embedded 3GPP/ISMA browser
Live Viewing		IE, Chrome, Firefox, Edge, Safari
CMS Server support		GV-Control Center, GV-Center V2, GV-Vital Sign Monitor
LPR Management		GV-ASManager

Note:

1. Try to avoid placing the camera where it can be subjected to direct LED light. The LED lighting from vehicles, streetlights, etc. may cause flickering images.
2. Specifications are subject to change without notice.

Packing List

1. GV-LPC2011 camera
2. Sun-shield Cover
3. Screw for Sun-shield Cover x 2
4. Screw for Supporting Rack x 3
5. Screw Anchor x 3
6. Silica Gel Bag
7. Washer x 2
8. Terminal Block
9. Screw for Mounting Kit x 3
10. Nut for Mounting Kit x 3
11. Hex Key
12. Download Guide
13. Warranty Card

Note: The power adapter can be purchased upon request.

Accessory

Model No.	Name		Details
GV-Mount300-1	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4 x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount310-1	Concave Corner Adapter Kit		Dimensions: 123.3 x 393.1 mm (4.9 x 15.5") Weight: 2.96 kg (6.53 lb)
GV-Mount400-1	Pole Mount Bracket Kit (Ø 4 ~ 6")		Bracket: 241 x 161 mm (9.5 x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 101 ~ 152 mm (4 ~ 6")
GV-Mount410-1	Pole Mount Bracket Kit (Ø 6 ~ 7.5")		Bracket: 241 x 161 mm (9.5 x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 152 ~ 191 mm (6 ~ 7.5")
GV-PA191 PoE Adapter			GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-POE Switch			GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.
Power Adapter			Contact our sales representative for the countries and areas supported.