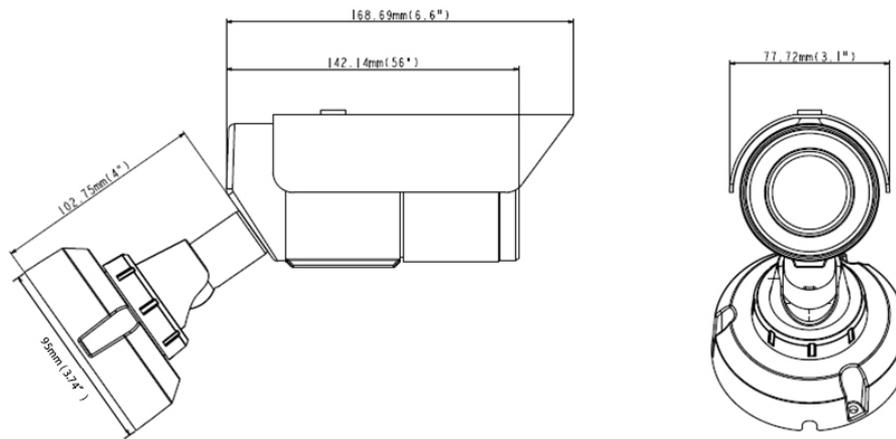# GV-LPC2011 2MP 3x Zoom Super Low Lux Color Network Camera

- 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 9 m (29.6 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 is capable of displaying 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 9 m (29.6 ft). 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. 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 ~ 9 m (16.4 ~ 29.6 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		142.14x 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

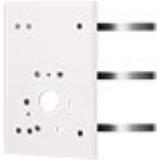| Network Storage	GV-System (GV-DVR/NVR), GV-VMS, GV-Recording Server
Smart Device Access	GV-Eye for Android and iOS Embedded 3GPP/ISMA browser
Live Viewing	IE, Chrome, Firefox, Edge, Safari
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor
LPR Management	GV-ASManager

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. The 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	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	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	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 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 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-PA191 PoE Adapter			Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57") Weight: 130 g (0.29 lb)
Power Adapter		Contact your sales representative for the countries and areas supported.	
GV-POE Switch		The 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.	