

GV-LPC2210 2MP 2.5x Zoom Super Low Lux Color Network Camera



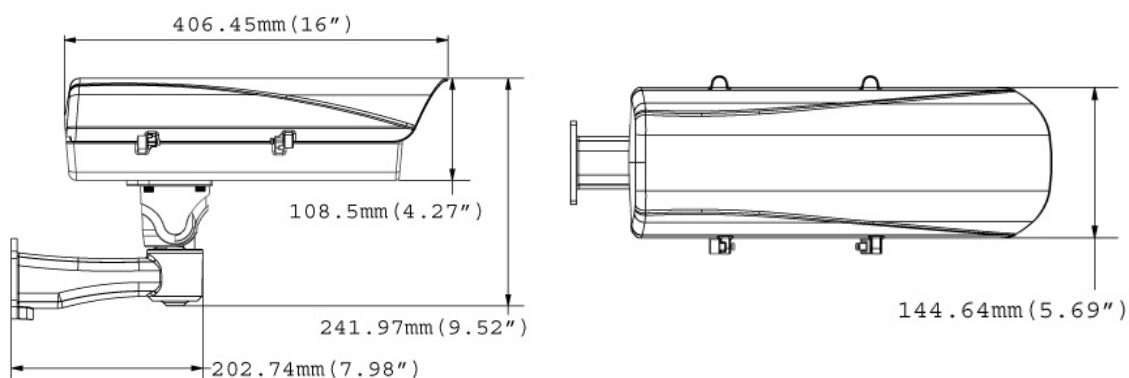
- 1/2.8" progressive scan super low lux CMOS
- Motorized varifocal lens for remote focus / zoom adjustment
- Dual streams from MJPEG or H.264
- Up to 30 fps at 1920 x 1080
- Maximum speed 120 km/h (75 mph)
- Recognition for reflective License Plate only
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Maximum IR distance 20 m (65.6 ft)
- DC 48V / AC 24V (optional) / PoE ++ (120 W)
- Built-in heater and fan
- Support for TV-out
- Two-way audio
- Support for I/O (1 in / 1 out)
- Defog
- Motion detection
- Privacy Mask
- Text overlay
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- ONVIF (Profile S) conformant
- 31 languages on Web interface

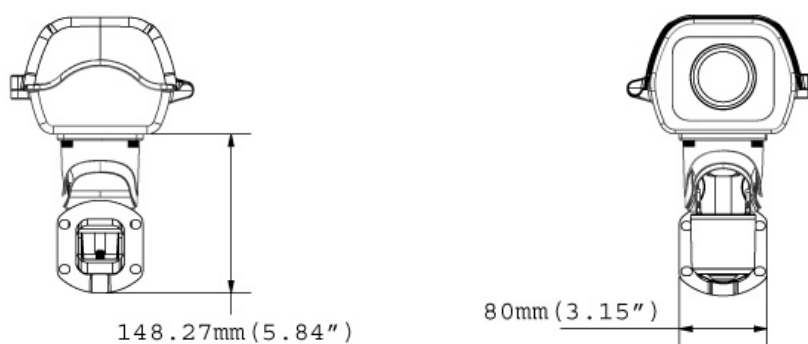
* Optional GV-PA482 PoE Adapter is required for applying PoE function.

Introduction

GV-LPC2210 is a 2 MP color network camera designed for recognition of reflective license plates on vehicles traveling up at 120 km/h (75 mph) or less with extreme temperature resistance (-40°C ~ 50°C / -40°F ~ 122°F). 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 high-power LEDs and build-in intelligent IR provide clear license plate for two lanes under low-light conditions at a maximum IR distance of 20 m (65.6 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.

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
Shutter Speed		Auto / Manual (1/120 ~ 1/2000 sec)
White Balance		Auto / Manual (2800K ~ 8500K)
S/N Ratio		52 dB
Max. Speed		120 km/h (75 mph)
Lens		
Megapixel		2 MP
Lens Type		Motorized varifocal lens
Focal Length		9 ~ 22 mm
Maximum Aperture		F/1.2
Lens Mount		ø14 mm
Image Format		1/2.7"
Horizontal FOV		38° ~ 18°
Operation	Focus	Auto
	Zoom	2.5x optical zoom
	Iris	P-Iris
IR LED Quantity		4 high power IR LEDs
IR Distance		10 ~ 20 m (32.8 ~ 65.6 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		G.711, AAC (Optional)
Audio Support		Two-way audio
Video Resolution		
Main Stream	4:3	1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080 (Default), 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 (Default)
	5:4	640 x 512, 320 x 256
TV-Out		NTSC, PAL (640 x 480 resolution)
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° ~270°
	Tilt	0° ~ 70°
Connectors	Power	DC 48V, AC 24V (optional), High PoE (PoE++, 120 W)
	Ethernet	RJ-45
	Audio	1 In (microphone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	1 In / 1 Out
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator		N/A
General		
Operating Temperature		-40°C ~ 50°C (-40°F ~ 122°F)
Humidity		10% ~ 90% (non-condensing)
Power Source		DC 48V, 2.5A, AC 24V 3A (Optional), High PoE (PoE++, 120 W) * If you require AC 24V 3A for optional operation, please specify upon ordering for the correct value of capacitance to be placed in the camera.
Max. Power Consumption		50 W
Dimensions	Without support rack	406 x 145 x 109 mm (16" x 5.7" x 4.3")
Cable Length		1 m (3.28 ft)
Weight	With support rack	3.32 kg (7.32 lb)
	Without support rack	2.62 kg (5.78 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)
Fan		Constantly On
Regulatory		CE, FCC, RCM, RoHS compliant
Power over Ethernet		
PoE standard		High Power Over Ethernet (PoE ++) / PD
PoE Power Supply Type		Mid-Span
PoE Power Output		DC 48V, 2.5A (120 W Max.)
Web Interface		
Installation & Management		Web-based configuration
Firmware Upgrade		Remote upgrade through Web Browser GV-IP Device Utility included in the Software DVD
Access from Web Browser		Live View, Video Recording, Video Quality, Bandwidth Control, Image Snapshot, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Tampering Alarm, 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-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:

- Optionally purchasing GV-PA482 PoE Adapter is required for applying PoE function.

2. 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.
3. Specifications are subject to change without notice.

Packing List

- The GV-LPC2210 camera
- Screw Anchor x 4
- Screw x 4
- Washer x 4
- Torx Wrench
- Power Adapter (DC 48V, 2.5A, 120 W)
- AC Power Cord
- Silica Gel Bag
- Adhesive tape for Silica Gel Bag
- GV-IP LPR Camera Software CD
- GV-NVR Software DVD
- GV-ASManager Software DVD
- GV-LPR Camera Installation Guide
- Warranty Card

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: 123.3 x 393.1 mm (4.9 x 15.5") Weight: 2.96 kg (6.53 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-Relay V2	GV-Relay V2		The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.

GV-POE Switch

The GV-POE Switch can be used for data transmission only. It does not provide power to GV-IP LPR cameras.

GV-PA482 PoE Adapter

The GV-PA482 PoE adapter is designed to provide power and network connection to GV-LPC2210 over a single Ethernet cable.
