

## GV-LPR2811-DL 2 MP H.265 2.5x Zoom Super Low Lux WDR Pro LPR Bullet

### IP Camera

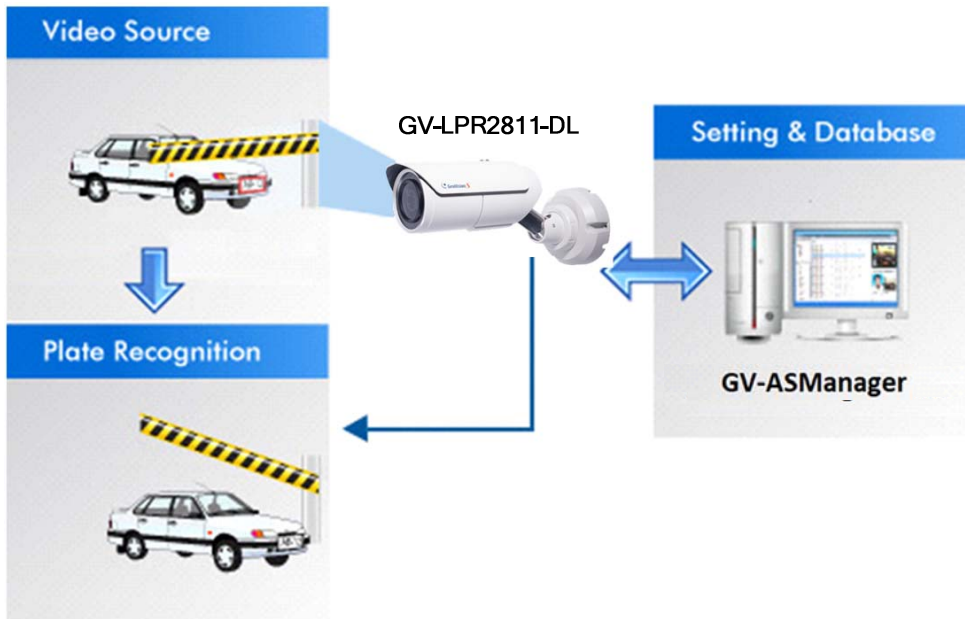


- Built-in deep learning LPR processor for license plate recognition
- Dual-lane recognition
- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.04 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 60 fps at 1920 x 1080
- Motorized varifocal lens for remote zoom / focus adjustment
- Intelligent IR
- IR distance up to 22 m (70 ft)
- Day and Night function (with removal IR-cut filter)
- Wide Dynamic Range Pro (WDR Pro)
- DC 12 V / PoE (IEEE 802.3af)
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- Two-way audio
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) for local storage
- Digital I/O (2 in / 2 out)
- Recognize vehicles with speeds up to 100 km/h (62 mph)
- Standalone database
- Recognized plate numbers export
- Defog
- Motion detection
- Privacy mask
- Text overlay
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) compliant
- CE, FCC, LVD, RoHS compliant

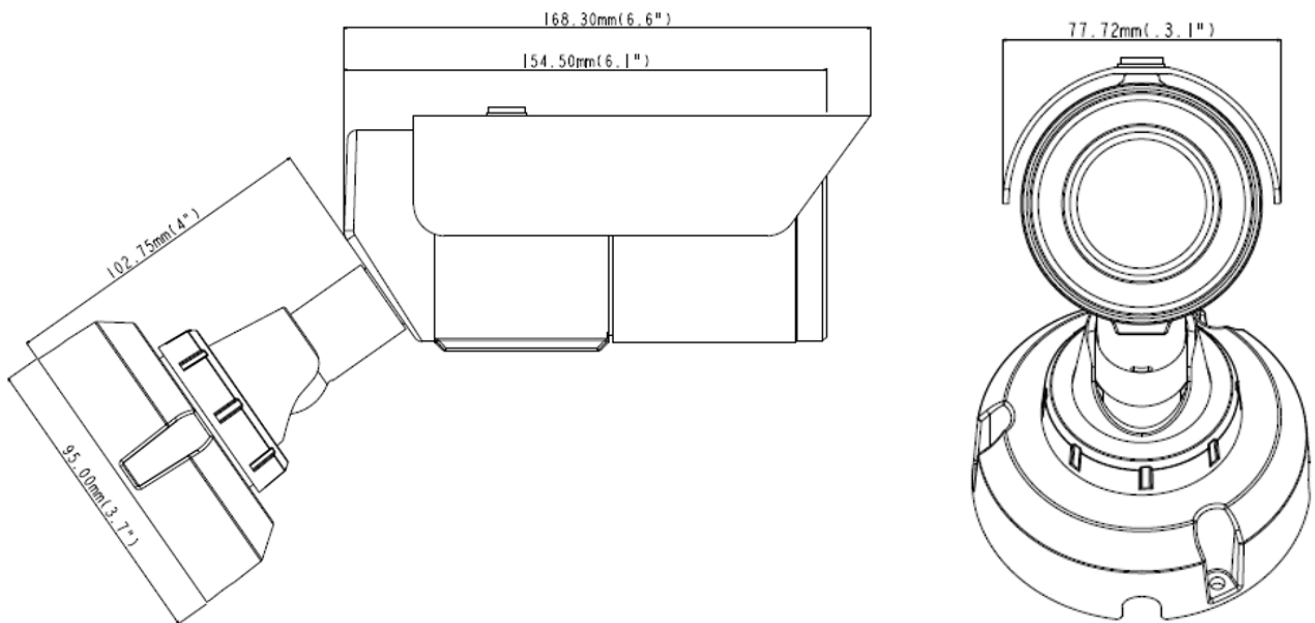
### Introduction

GV-LPR2811-DL is a 2 MP, 2.5x zoom color network camera designed for recognition of non-reflective license plates on vehicles traveling at up to 100 km/h (62 mph). With its motorized lens, and intelligent IR, the camera's zoom and focus can be adjusted remotely and can also automatically adjust its shutter speed to the scene to capture clear license plate images for single- or dual-lane scenarios under low-light conditions. It adheres to IP67 and IK10 standards and is able to operate within a temperature range of -30°C (-22°F) to 50°C (122°F).

GV-LPR2811-DL is capable of recognizing license plate numbers with its built-in deep learning LPR processor. GV-LPR2811-DL can compare captured license plates either with its on-the-edge standalone database, or the database stored at GV-ASManager, an access control system. When there is a match, GV-LPR2811-DL can grant access for the vehicle by opening a gate or barrier.



### Dimensions



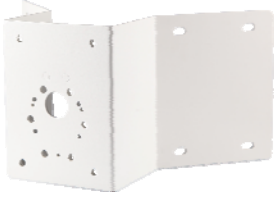





## Specifications

Camera		
Image Sensor	1/2.8" progressive scan super low lux CMOS	
Minimum Illumination	Color	0.05 lux
	B/W	0.04 lux
Picture Elements	1920 (H) x 1080 (V)	
Shutter Speed	Automatic: 1/500 ~ 1/16,000 sec Manual: 1/120 ~ 1/16,000 sec	
White Balance	Automatic, Manual (2800 K ~ 8500 K)	
S/N Ratio	56 dB	
WDR Pro	Yes	
Dynamic Range	130 dB	
Max. Speed	100 km/h (62 mph)	
Lens		
Megapixel	2 MP	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Motorized Varifocal	
Focal Length	9 ~ 22 mm	
Horizontal FOV	38° ~ 16°	
Maximum Aperture	F/2.0	
Mount	Ø14 mm	
Image Format	1/2.7"	
Operation	Focus	Auto
	Zoom	2.5 x Optical Zoom
	Iris	P-Iris
IR LED Quantity	24 IR LEDs	
IR Distance	22 m (70 ft)	
Operation		
Video Compression	H.265, H.264, MJPEG	
Video Stream	Triple streams from H.265, H.264 and MJPEG	
Frame Rate	60/50 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, White Balance, Flicker-less, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, Defog, Denoise, Metering	
Audio Compression	G.711	
Audio Support	Two-way audio (external microphone and speaker required)	
Digital I/O	2 In / 2 Out	
Video Resolution		
Main Stream	4:3	1280 x 960
	16:9	1920 x 1080 (Default), 1280 x 720
Sub Stream	4:3	1024 x 768, 640 x 480, 320 x 240
	16:9	1280 x 720, 640 x 360 (Default), 448 x 256
Third Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 256
Network		
Interface	10/100/1000 Base-T Ethernet, RJ-45 connector	
Protocol	DHCP, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IPv4, IPv6, Multicast, NTP, ONVIF (Profile S), QoS (DSCP), RTCP, RTSP, SNMP, SMTP, SSL, TCP/IP, UDP, UPnP, 3GPP/ISMA	
Security Feature	<ul style="list-style-type: none"> <li>- No default ID and Password</li> <li>- 802.1x authentication</li> <li>- HTTPS with SSL certificate stored within the camera</li> <li>- 256-bit AES encryption (requires working with GV-VMS V18.1 or later)</li> </ul>	

Mechanical		
Temperature Detector		Yes
Camera Adjustment	Pan	0° ~ 360°
	Tilt	90° ~ 180°
Connectors	Power	2-pin terminal block
	Ethernet	Ethernet (10/100/1000 Base-T), RJ-45 cable
	Audio	1 In (microphone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	I/O Wires (2 In / 2 Out)
	RS-485	RS-485+ / RS-485- (for recognition data output)
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * <b>UHS-II</b> card types not supported.
LED Indicator		N/A
General		
Operating Temperature	Startup	-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 12 V, 3 A / PoE (IEEE 802.3af)
Max. Power Consumption		12 W
Dimensions		168.3 x 77.72 x 102.75 mm (6.6" x 3.1" x 4.0")
Weight		0.81 kg (1.79 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant
Region of License Plate		Taiwan
Power over Ethernet		
PoE Standard		PoE (IEEE 802.3af)
PoE Power Supply Type		End-span and Mid-span
PoE Power Output		Per Port 48 V DC, 320 mA, Max. 15.4 W
Web Interface		
Installation & Management		Web-based configuration
Firmware Upgrade		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay, Digital PTZ
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		
LPR Management		GV-ASManager V5.3.1 or later
Software Supported		GV-DVR / NVR (V8.8.0), GV-VMS (V17.4.0 / V18.2.0), GV-Control Center (V3.8.0), GV-Center V2 / Vital Sign Monitor (V18.2.0), GV-Edge Recording Manager for Windows (V1.4.0), GV-Recording Server / Video Gateway (V2.0.0), GV-Redundant / Failover Server (V1.1.0.0)
Smart Device Access		GV-Eye for Android and iOS
Live Viewing		Browser (IE, Chrome, Firefox, Safari), Mobile app

**Note:** Specifications are subject to change without notice.

## Accessory

Model No.	Name		Details
GV-Mount300-1	Convex Corner Mount		Dimensions: 238.6 x 395.2 x 210 mm (9.4 x 15.5 x 8.2") Weight: 4.27 kg (9.41 lb)
GV-Mount310-1	Concave Corner Mount		Dimensions: 111.2 x 369.9 x 210 mm (4.37 x 14.5 x 8.2") Weight: 2.96 kg (6.53 lb)
GV-Mount400-1	Pole Mount Bracket ( $\varnothing$ 4 ~ 6")		Bracket: 68.4 x 240 x 163 mm (2.69 x 9.44 x 6.41") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: $\varnothing$ 101 ~ 152 mm (4 ~ 6")
GV-Mount410-1	Pole Mount Bracket ( $\varnothing$ 6 ~ 7.5")		Bracket: 68.4 x 240 x 163 mm (2.69 x 9.44 x 6.41") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: $\varnothing$ 152 ~ 191 mm (6 ~ 7.5")
GV-PA191	PoE Power Adapter		GV-PA191 is an IEEE802.3af/at PoE adapter, with a maximum power output of 19 W, that can be used to power GV-IP devices while providing Internet connection via an Ethernet cable.
GV-Relay V2			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 desired.
Power Adapter			Contact our sales representatives for the countries and areas supported.

## Packing List

- GV-LPR2811-DL Camera
- Sun Shield Cover
- Sun Shield Cover Short Screw x 2
- Supporting Rack Screw x 3
- Mounting Kit Screw x 3
- Mounting Kit Nut x 3
- Screw Anchor x 3
- Washer x 2
- Hex Wrench
- Silica Gel Bag x 2
- micro SD card (already inserted and formatted)
- Download Guide
- Warranty Card