GV-GBL4911 Cloud AI 4MP H.265 4.3x Zoom Super Low Lux WDR Pro IR Bullet IP Camera

- Direct-to-Cloud
- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- 1/3" progressive scan CMOS
- Min. illumination at 0.005 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2592 x 1520
- Intelligent IR
- IR distance up to 70 m (230 ft)
- Day and Night function (with removable IR-cut filter)
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- Built-in micro SD card slot (SDHC / SDXC / UHS-I, Class 10) for local storage
- Two-way audio capable
- Built in microphone
- Wide Dynamic Range Pro (WDR Pro)
- Defog
- GV-Center V2 connection
- AI analytics (Line Crossing, Region Entrance, Region Exiting, Region Intrusion, Target Counting, Heat Map Loitering Detection, Illegal Parking Detection, Face Detection, Video Metadata)
- Motion detection
- Text overlay
- Privacy mask
- 19 languages supported
- ONVIF (Profile G, S, T, M) conformant

Introduction

GV-GBL4911 is an outdoor bullet IP camera equipped with automatic IR-cut filter and IR LEDs for day and night surveillance. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidth. GV-GBL4911 adheres to IP67 and IK10 standards, and can be powered through PoE.

Empowered by deep learning algorithms, AI technology distinguishes human and vehicles from other moving objects. When integrated with GeoVision Video Management Software (VMS), it supports AI perimeter protection, real time alert, events playback and more. By connecting the camera to the cloud-based data center and video surveillance solution, GV-Cloud VMS, thousands of on-site videos, alarm devices, and AI events can be monitored and managed from a single platform.
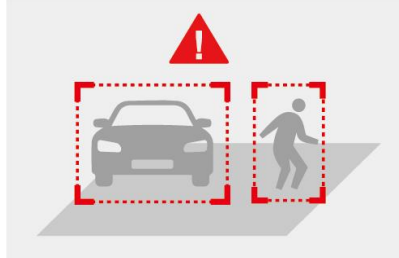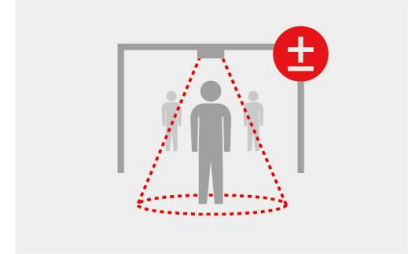
Deep Learning Function
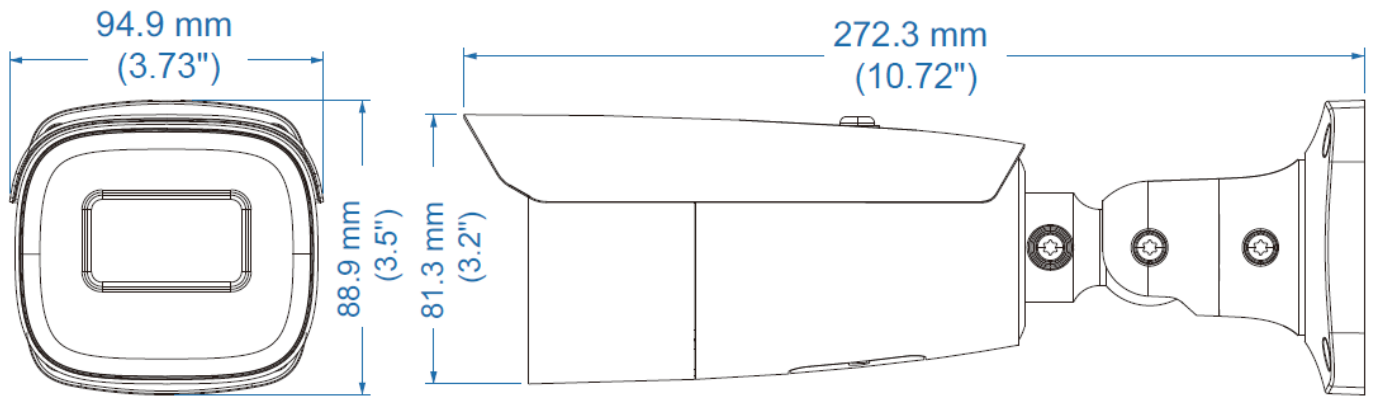
Face Detection	AI Perimeter Protection	People Counting
	(Region Intrusion, Line Crossing, Region Entrance, Region Exiting)	

Dimensions

94.9 mm (3.73")

272.3 mm (10.72")

88.9 mm (3.5")

81.3 mm (3.2")

Specifications

Camera		
Image Sensor		1/3" progressive scan CMOS
Picture Elements		2592 (H) x 1520 (V)
Minimum Illumination	Color	0.005 Lux (F1.3, AGC ON)
	IR On	0 Lux
Shutter Speed		Automatic, Manual (1/3 ~ 1/100000 sec)
White Balance		Automatic, Manual
Gain Control		Automatic, Manual
S/N Ratio		50 dB
WDR Pro		Yes
Dynamic Range		120 dB
Lens		
Megapixel		4 MP
Day/Night		Yes (with removable IR-cut filter)
Focal Length		2.8-12 mm
Lens Type		Motorized
Maximum Aperture		F/1.3
Mount		Ø14
Horizontal FOV		100° - 28.9°
Operation	Focus	Auto / Manual
	Zoom	4.3x
	Iris	DC
IR LED Quantity		4 IR LEDs

Max. IR Distance	70 m (230 ft)			
DORI	**Detect**	**Observe**	**Recognize**	**Identify**
Lens 2.8-12 mm (W)	58.9 m (193.2 ft)	23.5 m (77.0 ft)	11.7 m (38.3 ft)	5.8 m (19.0 ft)
2.8-12 mm (T)	205.9 m (675.5 ft)	82.4 m (270.3 ft)	41.2 m (135.1 ft)	20.6 m (67.5 ft)

Operation	
Video Compression	H.265, H.265+, H.264, H.264+, MJPEG
Video Streaming	Triple streams
Video Resolution — Main Stream	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080
Video Resolution — Sub Stream	1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 288, 352 × 240
Video Resolution — Third Stream	1280 x 720 (Default), 704 x 576, 704 x 480, 480 x 240, 352 x 288, 352 × 240
Frame Rate	30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz) * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).
Video Analytics	Motion Detection, Object Abandoned / Missing Detection
Smart Alarm	Motion Detection, SD Card Error, SD Card Full, IP Address Conflict, Cable Disconnection, Scene Change Detection, Video Blur Detection, Video Cast Detection, Audio Exception
Image Setting	Brightness, Contrast, Saturation, Sharpness, Flicker-less, 3D Noise Reduction, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format).
Dual Redundant Images	Yes (for failsafe firmware upgrade)
Audio Compression	G.711
Audio Support	Two-way audio (external speaker required)
Digital I/O — Input	1 Input, dry contact, NO / NC
Digital I/O — Output	1 Relay Output (1A 30V DC / 0.3A 125V AC)

Deep Learning Function	
AI Analytics	Face Event: Face Detection Smart Event: - Line Crossing, Region Entrance, Region Exiting, Region Intrusion, Target Counting, Heat Map, Video Metadata: Human & Vehicle classification - Loitering Detection, Illegal Parking Detection *A maximum of 2 smart detection functions are suggested at a time to ensure comprehensive detection results and the optimized performance by the camera. *Once connected to GV-Cloud VMS / GV-Center V2, up to 2 smart detection functions are supported.

Network	
Interface	10/100 Ethernet
Protocol	802.1x, DDNS, DHCP, FTP, HTTP POST, HTTP, HTTPs, IPv4, IPv6, NTP, ONVIF (Profile G, S, T, M), PPPoE, QoS, RTCP, RTMP, RTP, RTSP, SMTP, SNMP, UDP, UPnP

Mechanical	
Camera Angle Adjustment — Pan	0 ~ 360°
Camera Angle Adjustment — Tilt	0 ~ 90°
Camera Angle Adjustment — Rotate	0 ~ 360°
Connectors — Power	DC jack (DC 12 V, 1.25 A), PoE
Connectors — Ethernet	RJ-45
Connectors — Audio	1 In (built-in microphone, external speaker required with power supply) 1 Out (stereo phone jack, 3.5 mm / 0.14")
Connectors — Video Input	BNC connector
Connectors — Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")
Connectors — Local Storage	Micro SD card slot (SDHC / SDXC / UHS-I, Class 10) * UHS-II card type is not supported.

General	
Operating Temperature	-30~ 60°C (-22 ~ 140°F)
Humidity	0 ~ 95% (no condensation)
Power Source	12 V DC / PoE (IEEE802.3af)
Max. Power Consumption	12.5 W
Dimensions	272.3 x 94.9 x 88.9 mm (10.72 x 3.73 x 3.5")

Weight	1.04 kg (2.29 lb)
Ingress Protection	IP67
Vandal Resistance	IK10 for metal casing
Certification	CE, FCC, RoHS, UKCA compliant
Web Interface	
Installation Management	Web-based configuration
Maintenance	Firmware upgrade through Web Browser or Utility
Access from Web Browser	Live View, Playback, Video Recording, Image Quality, Bandwidth Control, Image Snapshot, Digital Zoom, Text Overlay, Image Masking, Intelligent Mark
Language	Hungarian, English, Spanish, Spanish (LA), Italian, Portuguese, Russian, Polish, Romanian, Hebrew, German, French, Dutch, Norwegian, Czech, Turkish, Japanese, Korean, Chinese Traditional
Software Applications	
Software Supported	GV-VMS (V17.4.7 or later, V18.3.2 or later), GV-Edge Recording Manager (V2.2.7 or later), GV-Control Center (V4.2.0 or later), GV-Recording Server (V2.1.1 or later), GV-Cloud VMS (V1.1.0 or later), GV-Center V2 (V18.4.1 or later)
Smart Device Access	GV-Eye for iOS and Android (V3.1.1 or later)
Live Viewing	Web Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App

Note:

1. When connecting to GV-Cloud VMS, avoid connecting to other GV-Software at the same time.
2. Industrial-grade microSD cards are recommended to avoid event recordings writing failure.
3. All specifications are subject to change without notice.

Packing List

1. GV-GBL4911 Bullet
2. Hex Key
3. Screw Kit
4. Drill Template Paster
5. CVBS & DC IN Cables
6. Download Guide

Accessories

Model No.	Name		Details
GV-Mount506	Junction Box		Dimensions: 139.3 x 50 mm (5.48" x 1.97") Weight: 0.512kg (1.13lb)
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-PA301	Gigabit PoE Adapter		GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.
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 representatives for the countries and areas supported.