

GV-REB5800 AI 5MP H.265 Super Low Lux WDR Pro IR Eyeball IP Dome



- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- Realtime AI Face Recognition (attendance management, repeated visitor search)
- 1/2.7" progressive scan super low lux CMOS sensor
- Triple streams from H.265, H.264
- Min. illumination at 0.003 lux
- Up to 30 fps at 2592 x 1944
- Wide Dynamic Range Pro (WDR Pro)
- Intelligent IR
- IR distance up to 30 m (100 ft)
- Day/Night functionality (with removable IR-cut filter)
- Built-in microphone
- Built-in microSD card slot (SD / SDHC / SDXC / UHS-I) for local storage
- 3-axis mechanism (pan / tilt / rotate)
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- 3D noise reduction
- AI analytics (Intrusion, Cross Line, Enter Area, Leave Area, Face Detection, People Flow Counting, Crowd Density Monitoring)
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- 13 languages supported
- ONVIF (Profile G, S, T, M) conformant

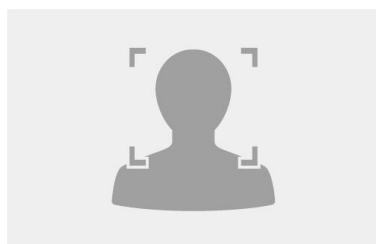
Introduction

GV-REB5800 is an outdoor, network camera equipped with IR LEDs for day and night surveillance. The camera supports H.265 video codec to achieve a better compression ratio while maintaining high-quality pictures at reduced network bandwidths. It adheres to IP67 and IK10 standards and can be powered through PoE.

Empowered by deep learning algorithms, AI technology distinguishes humans and vehicles from other moving objects. Integrated with GeoVision Video Management Software (VMS), it supports AI perimeter protection, real-time alerts, events playback, and more.

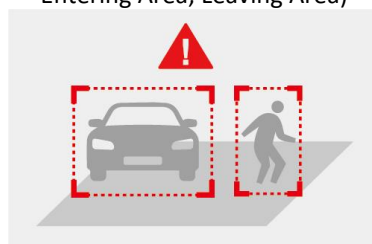
Deep Learning Function

Face Detection

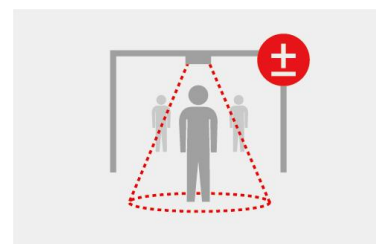


AI Perimeter Protection

(Intrusion, Crossing Line, Entering Area, Leaving Area)



People Flow Counting



Specifications

Camera					
Image Sensor		1/2.7" progressive scan super low lux CMOS			
Picture Elements		2592 (H) x 1944 (V)			
Minimum Illumination	Color	0.003 Lux (F1.6, AGC ON)			
	B/W	0 Lux			
	IR On	0 Lux			
Shutter Speed		Auto / Manual (1/5 ~ 1/30000 sec)			
White Balance		Automatic, Manual			
Gain Control		Automatic, Manual			
S/N Ratio		56 dB			
WDR Pro		Yes			
Dynamic Range		120 dB			
Day / Night		Yes (with removable IR-cut filter)			
Lens					
Megapixel		5 MP			
Lens Type		Fixed			
Focal Length		2.8 mm			
Maximum Aperture		F/1.6			
Mount		M12			
Horizontal FOV		97°			
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
Smart Illumination	LED Quantity	2 IR LEDs			
	Max. IR Distance	30 m (100 ft)			
DORI		Detect	Observe	Recognize	Identify
Lens	2.8 mm	63.6 m (208.6 ft)	25.4 m (83.3 ft)	12.7 m (41.6 ft)	6.4 m (20.9 ft)
Operation					
Video Compression		H.265, H.264			
Video Streaming		Triple streams from H.265, H.264			
Frame Rate		Max. 30 fps (60 Hz) / 25 fps (50 Hz) at 2592 x 1944, 2592 x 1520, 2048 x 1536, 2304 x 1296, 1920 x 1080, 1280 x 960, 1280 x 720, 640 x 480, 320 x 240 * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).			
Maximum Throughput		36 Mbps			
Maximum Streams * When the total bitrate is within the maximum throughput		14			
Video Analytics		Motion Detection, Tampering Alarm, Audio Detection * Tampering alarm and Audio detection are only accessible through the camera's Web interface, which can be used to trigger alerts such as e-mail and FTP.			
Image Settings		Brightness, Contrast, Saturation, Sharpness, Flicker-less, 3D Noise Reduction, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270° – including Corridor format)			
Audio Compression		G.711			
Audio Support		One-way audio (built-in microphone)			
Video Resolution					
Main Stream		2592 x 1944 (Default), 2592 x 1520, 2048 x 1536, 2304 x 1296, 1920 x 1080, 1280 x 960			
Sub Stream		1920 x 1080, 1280 x 720, 640 x 480 (Default)			
Third Stream (Closed by Default)		640 x 480, 320 x 240			
Network					
Interface		10/100 Ethernet			
Protocol		802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, ONVIF (Profile G, S, T, M), RTP/RTSP, SMTP, SNMP, TCP/IP, UPnP			

Deep Learning Function		
AI Analytics		- <u>Human & Vehicle Classification</u>: Line Crossing Detection / Perimeter Intrusion Detection / Human & Vehicle Detection / Cross Counting / Crowd Density Detection / Intrusion / Region Entrance / Region Exiting - <u>Object & Activity Analysis</u>: Object Detection / Queue Length Detection / Heat Map Statistics / Face Detection / Face Recognition / Rare Sound Detection * Due to the limited performance of the camera, Heat Map Statistics, Rare Sound Detection, Intrusion, Region Entrance, and Region Exiting can be enabled at the same time, but not Perimeter Intrusion Detection, Line Crossing Detection, Object Detection, Face Detection, Pedestrian Detection & Vehicle Detection, Cross Counting, Crowd Detection, and Queue Length Detection.
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 359°
	Tilt	0° ~ 73°
	Rotate	0° ~ 359°
Connector	Power	DC jack, PoE
	Ethernet	RJ-45
	Audio	1 in (built-in microphone)
	Local Storage	microSD card slot (SD / SDHC / SDXC / UHS-I, Class 10), up to 256 GB * UHS-II card type is not supported.
General		
Operating Temperature		-35°C ~ 60°C (-31°F ~ 140°F)
Humidity		0% ~ 90% (no condensation)
Power Source		DC 12V / PoE (IEEE 802.3af)
Max. Power Consumption		5.5 W
Dimensions		Ø 100 x 90 mm (Ø 3.9 x 3.5 in)
Weight		0.42 kg (0.91 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Certification		CE, FCC, RoHS compliant
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Live View, Video Recording, Change Video Quality, Image Snapshot, Text Overlay, Image Masking
Language		Chinese Traditional, Czech, English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Turkish, Ukrainian
Applications		
Software Supported		GV-VMS (V17.4.7 / V18.3.2, patch files required), GV-Control Center (V4.3.0, coming soon), GV-Recording Server / Video Gateway (V2.2.0, coming soon), GV-Edge Recording Manager Win version (V2.3.0, coming soon)
Smart Device Access		GV-Eye for iOS and Android (V3.2.0, coming soon)
Live Viewing		Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. All specifications are subject to change without notice.

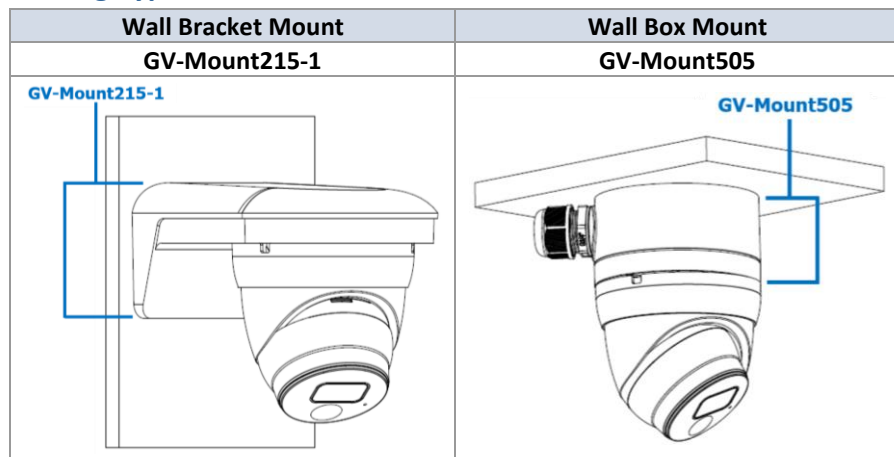
Packing List

- | | |
|--------------------------|--------------------------|
| 1. GV-REB5800 | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Download Guide |
| 3. Screw kit | |

Accessories

Model No.	Name		Details
GV-Mount215-1	Wall Mount Bracket		Dimensions: 155 x 75 x 132 mm (6.1 x 2.95 x 5.2 in) Weight: 0.62 kg (1.37 lb)
GV-Mount505	Wall Box Mount		Dimensions: Ø 100.5 x 56 mm (Ø 3.96 x 2.2 in) Weight: 0.46 kg (1.01 lb)
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.		

Mounting Type



Dimensions

