

GV-GFER6900 Telecamera IP Fisheye AI da 6MP con supporto Cloud, H.265, Super Low Lux, WDR Pro, IR e struttura robusta



Introduzione

La GV-GFER6900 è una telecamera fisheye da esterno da 6 MP che offre una visione completa a 360° e può essere installata a parete o a soffitto. Supporta il codec H.265 per una compressione efficiente mantenendo immagini di alta qualità con minore uso di banda. Conforme agli standard IP67 e IK10, è alimentabile via PoE.

Esegue la correzione dell'immagine fisheye direttamente a bordo, riducendo il carico sui dispositivi di backend. Grazie agli algoritmi di deep learning, l'intelligenza artificiale riconosce persone e veicoli rispetto ad altri oggetti in movimento.

Integrata con GeoVision VMS, offre protezione perimetrale AI, allarmi in tempo reale e riproduzione eventi. Collegandola al sistema cloud GV-Cloud VMS, consente la gestione centralizzata di migliaia di video, dispositivi di allarme ed eventi AI.

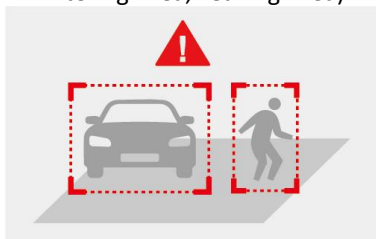
Caratteristiche principali

- Connessione diretta al cloud
- Intelligenza artificiale con deep learning: protezione perimetrale AI e classificazione (persone, veicoli)
- Sensore CMOS progressivo da 1/2.5"
- Illuminazione minima di 0,01 lux
- Triplo streaming con H.265, H.264 o MJPEG
- Fino a 30 fps alla risoluzione di 3200 x 1800
- Wide Dynamic Range Pro (WDR Pro) – Ampia gamma dinamica avanzata
- Funzionalità Giorno/Notte (con filtro IR removibile)
- IR intelligente
- Distanza IR fino a 20 m (66 piedi)
- Supporta audio bidirezionale
- Microfono integrato
- Slot per scheda microSD integrato (SD / SDHC / SDXC) per l'archiviazione locale
- Alimentazione DC 12V / PoE (IEEE 802.3af)
- Protezione contro l'ingresso di polvere e acqua (IP67)
- Resistenza agli atti vandalici (IK10)
- Visione panoramica a 360° e 180°
- Connessione con GV-Center V2
- Analisi AI (Attraversamento linea, Ingresso in area, Uscita da area, Intrusione in area, Conteggio bersagli, Mappa di calore, Densità della folla)
- Funzione Defog (anti-nebbia)
- Riduzione del rumore 3D (3D Noise Reduction)
- Rilevamento del movimento
- Funzione PTZ virtuale
- Funzione di panoramica automatica (Auto Pan)
- Sovrimpressione del testo
- Mascheramento della privacy
- 19 lingue supportate
- Conforme agli standard ONVIF (Profili G, S, T, M)

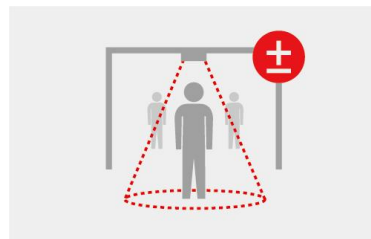
Deep Learning Function

AI Perimeter Protection

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



People Flow Counting



Specifications

Camera					
Image Sensor		1/2.5" progressive scan CMOS			
Picture Elements		3200 (H) x 1800 (V)			
Minimum Illumination	Color	0.01 Lux (F2.0, AGC ON)			
	B/W	0 Lux			
	IR On	0.1 Lux			
Shutter Speed		Auto / Manual (1/3 ~ 1/100000 sec)			
White Balance		Auto / Manual			
Gain Control		Auto / Manual			
S/N Ratio		50 dB			
WDR Pro		Yes			
Dynamic Range		120 dB			
Lens					
Megapixel		6 MP			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed			
Focal Length		1.65 mm			
Maximum Aperture		F/2.0			
Mount		M12			
Image Format		1/2.5"			
FOV	Horizontal	180°			
	Vertical	180°			
	Diagonal	180°			
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
IR LED	Quantity	4 IR LEDs			
	Max. IR Distance	20 m (66 ft)			
DORI		Detect	Observe	Recognize	Identify
Lens	1.65 mm	33 m (108.2 ft)	13.1 m (42.9 ft)	6.6 m (21.6 ft)	3.3 m (10.8 ft)
Operation					
Video Compression		H.265, H.265+, H.264, H.264+, MJPEG			
Video Streaming		Triple streams from H.265, H.264, or MJPEG			
Frame Rate		Max. 30 fps (60 Hz) / 25 fps (50 Hz) at 3200 x 1800, 2160 x 2160, 1920 x 1080, 1440 x 1440, 1280 x 720, 1080 x 1080, 960 x 960, 720 x 720, 640 x 640, 640 x 360, 480 x 480, 360 x 360 Max. 20 fps (50 & 60 Hz) at 2560 x 1440 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).			
Maximum Throughput	AI Off	10 Mbps			
	AI On	10 Mbps			

Maximum Streams * When the total bitrate is within the maximum throughput		10 * By default, 2 connections are occupied whether connected to GV-Cloud VMS or not.	
Video Analytics		Motion Detection	
Smart Alarm		Motion Detection, SD Card Error, SD Card Full, IP Address Conflict, Cable Disconnection	
Image Settings		Brightness, Contrast, Hue, Saturation, Sharpness, 3D Noise Reduction, Defog, BLC, Antiflicker, Smart IR, Image Orientation (Flip, Mirror, 0°, 180°)	
Stream Mode & Supported Live Preview	1: Fisheye	Fisheye View	
	2: Panoramic View	Panoramic View (Ceiling / Desktop: 180° x 2, Wall: 360°)	
	3: Fisheye + Panoramic View + 3 PTZ	Fisheye View, Panoramic View (Ceiling / Desktop: 180° x 2, Wall: 360°), Fisheye View + PTZ x 3, Panoramic View (Ceiling / Desktop: 180° x 2, Wall: 360°) + PTZ x 3	
	4: Fisheye + 4 PTZ	Fisheye View, PTZ x 4	
	5: Fisheye + 4 PTZ Fusion	Fisheye View, 4 PTZ Fusion	
Installation Method & Supported Live Preview	Ceiling Mount	Fisheye View, 180° Panoramic View x 2, Fisheye View + PTZ x 3, 180° Panoramic View x 2 + PTZ x 3, PTZ x 4, 4 PTZ Fusion	
	Wall Mount	Fisheye View, 360° Panoramic View, Fisheye View + PTZ x 3, 360° Panoramic View + PTZ x 3, PTZ x 4, 4 PTZ Fusion	
	Desktop Mount	Fisheye View, 180° Panoramic View x 2, Fisheye View + PTZ x 3, 180° Panoramic View x 2 + PTZ x 3, PTZ x 4, 4 PTZ Fusion	
Audio Compression		G.711	
Audio Support		Two-way audio (external speaker required)	
Digital I/O	Input	1 input, dry contact, NO / NC	
	Output	1 relay output (DC 30V, 1A / AC 125V, 0.3A)	
Video Resolution			
Hardware (On-Edge) Dewarping	Main Stream (only in Edge IE mode)	Fisheye View	2160 x 2160 (default), 1440 x 1440, 1080 x 1080
		Panoramic View (Ceiling / Desktop: 180° x 2, Wall: 360°)	3200 × 1800 (default), 2560 x 1440, 1920 × 1080
		PTZ	1280 × 720 (default)
		4 PTZ Fusion	2560 × 1440 (default)
	Sub Stream	Fisheye View	960 × 960 (default), 720 x 720, 480 × 480
		Panoramic View (Ceiling / Desktop: 180° x 2, Wall: 360°)	1280 x 720 (default), 640 x 360
		PTZ	N/A
		4 PTZ Fusion	640 x 360 (default)
	Third Stream	Fisheye View	640 x 640 (default), 360 x 360
		Panoramic View (Ceiling / Desktop: 180° x 2, Wall: 360°)	1280 x 720 (default), 640 x 360
		PTZ	N/A
		4 PTZ Fusion	640 x 360 (default)
Network			
Interface		10/100 Ethernet	
Protocol		802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, ONVIF (Profile G, S, T, M), PPPoE, QoS, RTCP, RTMP, RTP, RTSP, SMTP, SNMP, TCP/IP, UDP, UPnP	

Deep Learning Function			
AI Analytics	Only the following configurations of Stream Modes and Installation Methods enable smart detection events. <u>Configuration 1:</u> Modes: 1, 3, 4, 5 Mounting: Ceiling Functions: ➢ <u>Human detection only:</u> Target Counting by Line, Line Crossing, Region Entrance, Region Exiting, Region Intrusion, Crowd Density, Heat Map <u>Configuration 2:</u> Modes: 2, 3 Mounting: Wall or Desktop Functions: ➢ <u>Human and vehicle detection:</u> Target Counting by Line, Line Crossing, Region Entrance, Region Exiting, Region Intrusion ➢ <u>Human detection only:</u> Crowd Density * A maximum of 1 smart detection event is allowed at a time to ensure comprehensive detection results and optimized performance by the camera. * Once connected to GV-Cloud VMS / GV-Center V2, up to 1 smart detection event is supported.		
Mechanical			
Connectors	Power	DC jack, PoE	
	Ethernet	RJ-45	
	RS-485	Half-duplex	
	Audio	Built-in microphone	Yes
		External microphone required	Yes (audio jack, 3.5 mm or 0.14 in)
		Built-in speaker	No
		External speaker required	Yes (audio jack, 3.5 mm or 0.14 in)
		* Choose either the built-in or external microphone. * The Audio In port only supports microphones with a power supply.	
	Video Output	CVBS output (BNC connector x 1)	
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14 in)	
Local Storage	microSD card slot (SD / SDHC / SDXC), up to 256 GB		
General			
Operating Temperature		-30°C ~ 60°C (-22°F ~ 140°F)	
Humidity		0% ~ 95% (no condensation)	
Power Source		DC 12V / PoE (IEEE 802.3af)	
Max. Power Consumption		10 W	
Dimension		Ø 130.6 x 46.3 mm (Ø 5.14 x 1.82 in)	
Weight		516.2 g (1.14 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK10	
Certification		CE, FCC, RoHS compliant	
Web Interface			
Installation Management		Web-based configuration	
Maintenance		Firmware upgrade through Web Browser or GV-IP Device Utility	
Access from Web Browser		Live View, Playback, Image Quality, Video Recording (only in Edge IE mode), Image Snapshot, Two-Way Audio (only in Edge IE mode), Digital Zoom, Bandwidth Control, Virtual PTZ, Auto Pan, Text Overlay, Image Masking, Intelligent Mark	
Language		Chinese Traditional, Czech, Dutch, English, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Spanish (Latin America), Turkish	

Applications	
Software Supported	GV-VMS (V17.4.8 / V18.3.5 or later, patch files required), GV-Control Center (V4.2.1 or later, patch files required), GV-Edge Recording Manager for Windows (V2.2.8 or later, patch files required), GV-Recording Server (V2.1.1 or later, patch files required), GV-Center V2 (V18.4.1 or later, patch files required), GV-Cloud VMS (V1.2.1 or later), GV-IP Device Utility (V9.0.2 or later)
Smart Device Access	GV-Eye for iOS (V3.1.0 or later), GV Eye for Android (V3.1.1 or later)
Live Viewing	Web Browser (Edge, IE mode in Edge, Chrome, Firefox, Safari), Mobile App

Note:

1. To avoid reflected glare by IR LED, keep a minimum distance of 1 m (3.28 ft) between the camera body and nearby walls.
2. Using a pendant or corner mount with a fisheye camera may cause IR reflection due to the camera's 360° IR illumination.
3. To use GV-Cloud VMS, avoid connecting to other GV-Software at the same time.
4. To use GV-Cloud VMS, a microSD card must be installed. Industrial-grade microSD cards are recommended to avoid event recording failures.
5. Upon the initial connection of GV-Cloud Camera to GV-Cloud VMS, the Standard Plan will be provided for free for 180 days.
6. All specifications are subject to change without notice.

Packing List

- | | |
|--------------------------|--------------------------|
| 1. GV-GFER6900 | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Download Guide |
| 3. Screw Kit | |

Accessories

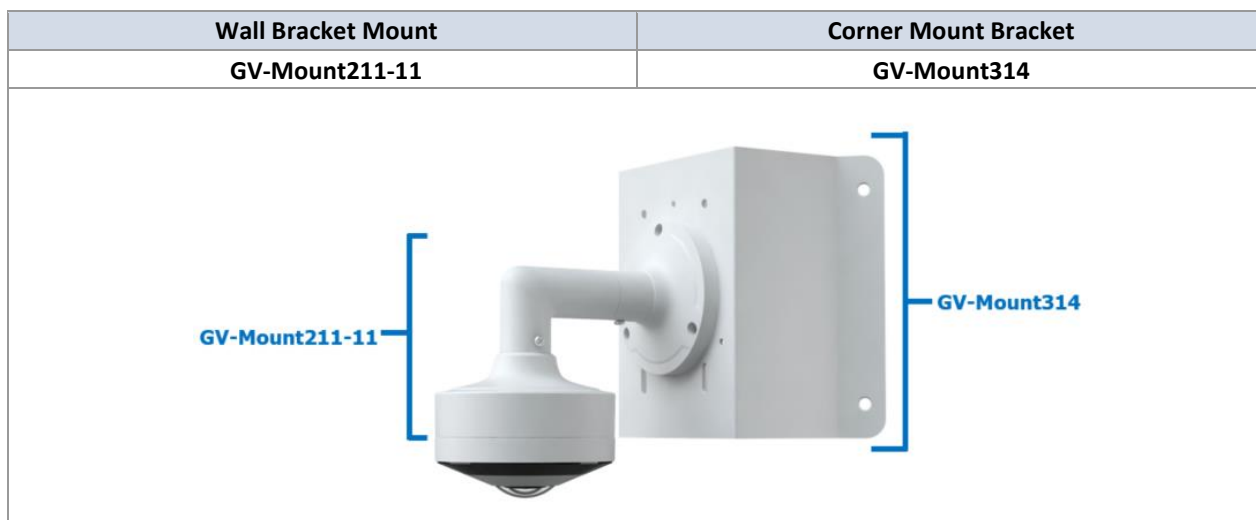
Model No.	Name		Details
GV-Mount112	Pendant Mount		Dimensions: Ø 131.1 x 220.7 mm (Ø 5.16 x 8.69 in) Weight: 0.55 kg (1.21 lb)
GV-Mount211-11	Wall Mount Bracket		Dimensions: 194.7 x 165.6 x 131.1 mm (7.67 x 6.52 x 5.16 in) Weight: 0.57 kg (1.26 lb)
GV-Mount470 (must be used with Mount211-11)	Pole Mount Bracket		Dimensions: 163.3 x 54.5 x 215 mm (6.43 x 2.15 x 8.46 in) Weight: 1.10 kg (2.43 lb)
GV-Mount314 (must be used with Mount211-11)	Corner Mount Bracket		Dimensions: 215 x 121.4 x 215 mm (8.46 x 4.78 x 8.46 in) Weight: 2.05 kg (4.52 lb)
GV-Mount512	Junction Box		Dimensions: 131.0 x 156.9 x 33.0 mm (5.16 x 6.18 x 1.30 in) Weight: 0.24 kg (0.53 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

Pendant Mount	Wall Bracket Mount	Junction Box Mount
GV-Mount112	GV-Mount211-11	GV-Mount512
		

Wall Bracket Mount	Pole Bracket Mount
GV-Mount211-11	GV-Mount470
	



Dimensions

