GV-EFER3700-W 3MP H.265 Super Low Lux WDR Pro IR Wireless Fisheye Rugged IP Camera

Introduction

GV-EFER3700-W is a 3 MP outdoor fisheye camera supporting wireless connection. With the WPS function, it can easily connect to a WiFi router.

GV-EFER3700-W allows you to monitor all angles of a location and it can be installed to the ceiling and the wall. Equipped with automatic IR-cut filter and IR LEDs, GV-EFER3700-W is capable of day and night surveillance. Without installing any software, you can watch live view and utilize functions such as video recording, privacy mask, and alert notification through its Web interface. In addition, the camera seamlessly integrates with GV-DVR / NVR / VMS, providing advanced monitoring and video management features.

The camera supports H.265 video codec to achieve better compression ratio while maintaining high picture quality at reduced network bandwidths. It is capable of providing a color live view not only in near darkness but also under contrasting light intensities with its super low lux CMOS image sensor and WDR pro.
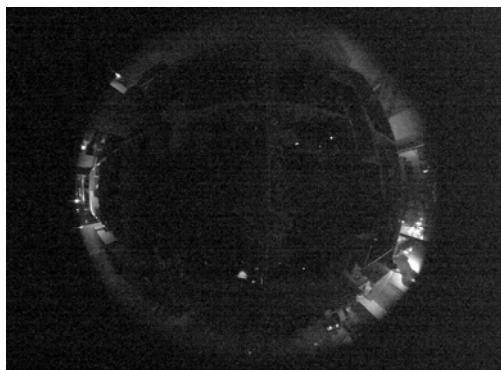
Key Features

- 1/2.8'' progressive scan super low lux CMOS
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2048 x1536
- Day and night (with removable IR-cut filter)
- Intelligent IR
- Vandal resistance (IK8)
- Ingress protection (IP67)
- 12V DC
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- Wireless Connection
- One sensor input and alarm output
- Digital Object Tracking
- Provides 360° and 180° panorama view
- Different angle of view accessible by multiple users at the same time
- Playback from any view angle and zoom level
- No mechanical moving parts
- Two-way Audio
- Wide Dynamic Range Pro (WDR Pro)
- Low lux enhancement
- 3D noise reduction
- Smart streaming
- Tampering alarm
- Virtual PTZ function

- Auto Pan function
- Privacy mask
- Visual automation
- Text overlay
- 31 languages on Web interface
- ONVIF (Profile S, T) conformant
- Recording assigned by GV-Edge Recording Manager (Windows version)
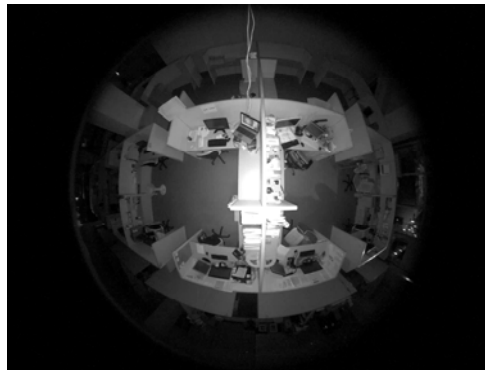
* No Memory Card Slot & local storage function for Argentina.

* Smart streaming requires GV-DVR / NVR V8.7.0, GV-VMS V16.10.3 or later software versions.

The following is a comparison of live view between a third-party fisheye camera and a GV-Fisheye Camera with IR LED.

Third-Party Fisheye Camera

GV-Fisheye Camera with IR LED
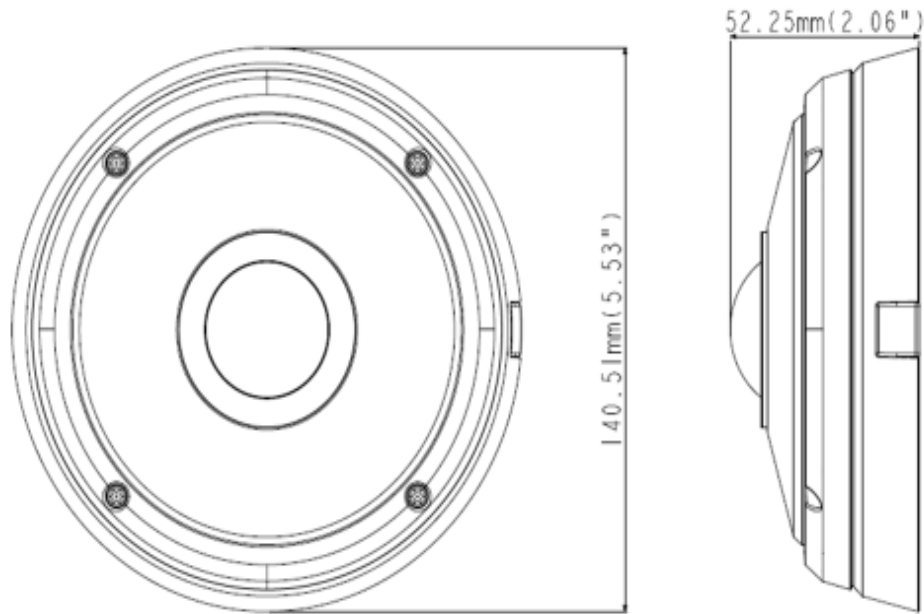
Photos

Fisheye Source Image

Single View

2 x 180° View

360° View

Quad View

Dimensions

Specifications

Camera		GV-EFER3700-W
Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.001 Lux
	B/W	0.001 Lux
	IR On	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		54 dB
WDR Pro		Yes
Dynamic Range		Up to 120 dB
Optics Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.24 mm
Maximum Aperture		F/1.8
Mount		M12
Image Format		1/3"
Horizontal FOV		185°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
IR LED Quantity		3 IR LEDs
Max. IR Distance		20 m (65 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG

Frame Rate		50Hz: 25 fps at 2048 x 1536, 25 fps at 1440 x 1376 60Hz: 30 fps at 2048 x 1536, 30 fps at 1440 x 1376 *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 (Flip, Mirror, 0°, 180°), Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog, Low Lux Enhancement, Denoise, Metering
Audio Compression		G.711
Audio Support		Two-way Audio (external microphone and speaker required)
Sensor Input		1 input (Dry Contact)
Sensor Output		1 digital output (200mA 5V DC)
Video Resolution		
Main Stream	4:3	2048 x 1536 (Default)
	20:19	1440 x 1376, 1280 x 1200
Sub Stream	4:3	640 x 480 (Default)
	20:19	640 x 608
Third Stream (Closed by Default)	4:3	640 x 480
	20:19	640 x 608
Network		
Interface		10/100 Ethernet
Protocol		DHCP, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IPv4, IPv6, Multicast, NTP, ONVIF (Profile S, T), QoS (DSCP), RTCP, RTSP, SNMP, SMTP, SSL, TCP/IP, UDP, UPnP, 3GPP/ISMA
Wireless LAN		IEEE 802.11 b/g/n
Antenna Type		Built-In
Security		WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES)
Security Feature		-No default ID and Password -802.1x authentication -HTTPS with a SSL certificate stored in the camera -256-bit AES encryption (requires firmware V1.14 or later working with GV-VMS V18.1 or later)
Receiver Sensitivity		-90 dBm: 1 Mbps -85 dBm: 11 Mbps -71 dBm: 54 Mbps -65 dBm: 54 Mbps
Mechanical		
Temperature Detector		Yes
Connectors	Power	2-pin terminal block
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	1 In (External microphone, 3.5 mm / 0.14") 1 Out (Stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
LED Indicator		4 LEDs: Power / Status / WiFi Power / WiFi Status
General		
Operating Temperature	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC
Max. Power Consumption		9.5 W
Dimension		Ø 140.5 x 52.2 mm m (5.5" x 2.05")
Weight		670 g (1.47 lb)
Ingress Protection		IP67
Vandal Resistance		IK8
Regulatory		CE, FCC, RCM, LVD, RoHS compliant

Web Interface	
Installation Management	Web-based configuration
Maintenance	Firmware upgrade through Web Browser or Utility
Access from Web Browser	Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, 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	
Software Supported	GV-DVR / NVR (V8.7.3.0), GV-VMS (V16.10.3.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V16.10.0.0), GV-Recording Server (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)
Smart Device Access	GV-Eye for iOS and Android
Remote Live Viewing	Browser (IE, Chrome, Firefox, Safari), Mobile App
CMS Server Support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:
1. It is required to apply patch files to all the supported software.
2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
3. Mind the following when using an inserted memory card for recording:
   - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
   - The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
   - Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
   - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
   - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
   - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.
4. Specifications are subject to change without notice.

Packing List

1.	H.265 Fisheye Camera	6.	Terminal Block (3-pin)
2.	Torx Wrench	7.	Power Adaptor
3.	Screw x 2	8.	Installation Sticker
4.	Screw Anchor x 2	9.	Download Guide
5.	Silica Gel Bag x 2	10.	Warranty Card

Accessories

Model No.	Name		Details
GV-Mount100	Straight Tube and Junction Box Kit		Dimensions: 200 x 170 x 257.5 mm (7.9" x 6.7" x 10.1") Weight: 3.17 kg (6.99 lb)

Model No.	Name	Details
GV-Mount101	Straight Tube Kit	Dimensions: 219 x 125 x 332 mm (8.6" x 4.9" x 13.1") Weight: 1.8 kg (3.97 lb)
GV-Mount200	Wall Pendant Mount	Dimensions: 225 x 140 x 250 mm (8.9" x 5.5" x 9.8") Weight: 900 g (1.98 lb) Note: To ensure the image quality, leave a distance of 1 M or more between the camera body and the wall.
GV-Mount206	Wall Box Mount	Dimensions: 126.5 x 211.3 x 176.85 mm / 5 x 8.3 x 6.96 in (L x W x diameter) Weight: 0.93 kg / 2.06 lb Note: To ensure the image quality, leave a distance of 1 M or more between the camera body and the wall.
GV-Mount208-2	Swan Neck Mount	Dimensions: 1043 x 519 x 256 mm / 41.06 x 20.43 x 10.08 in Weight: 10.5 kg / 23.15 lb
GV-Mount702	Extension Tube	Four options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm (Ø 2.1" x 3.9" or 7.9" or 11.8" or 19.7") Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21 lb or 1.76 lb)
GV-Mount903-1	Dome Housing	Dimensions: Ø 185.5 x 165.3 mm (Ø 7.3" x 6.5") Weight: 900 g (1.98 lb)

Model No.	Name		Details
GV-Mount904-1	Tilting Wall Mount Bracket		Dimensions: Ø 159.1 x 40.5 mm (Ø 6.3" x 1.6") Weight: 350 g (0.77 lb)
GV-Mount913	Power Box Mount Bracket		Dimensions: Ø 146 x 7.5 mm (Ø 5.7'' x 0.3'') Weight: 180 g (0.4 lb)
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 per your requirement.
Power Adaptor			Contact our sales representatives for the countries and areas supported.