

## GV-FER5700 5MP H.265 Low Lux WDR IR Fisheye Rugged IP Camera



### Introduction

GV-FER5700 is a 5 MP outdoor fisheye camera that can support H.265 video codec to achieve better compression ratio while maintaining high picture quality at reduced network bandwidths. GV-FER5700 allows you to monitor all angles of a location and it can be installed to the ceiling, wall, wall corner and the pole. Equipped with automatic IR-cut filter and IR LEDs, GV-FER5700 is capable of day and night surveillance. The camera's distorted hemispherical image can be converted into a conventional rectilinear projection. Without installing any software, you can watch live view and utilize functions such as video recording, privacy mask, and alert notification through the Web interface. In addition, the camera seamlessly integrates with the GV-System and GV-VMS, providing advanced monitoring and video management features.

### Key Features

- 1/1.8" progressive scan CMOS
- Dual streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2560 x 2048
- Day and night (with removable IR-cut filter)
- Intelligent IR
- Vandal resistance (IK10+ for metal casing)
- Ingress protection (IP67)
- 12V DC / PoE+ (IEEE 802.3at)
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- USB slot for WiFi adapter or USB hard drive
- One sensor input and alarm output
- Built-in microphone
- [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 (WDR)
- 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) conformant
- Recording assigned by GV-Edge Recording Manager (Windows version)
- \* No Memory Card Slot & local storage function for Argentina.
- \* Smart streaming requires either GV-DVR / NVR V8.7.0.0 or GV-VMS V16.10.0.0.

## Photos

Fisheye Source Image



Single View



2 x 180° View



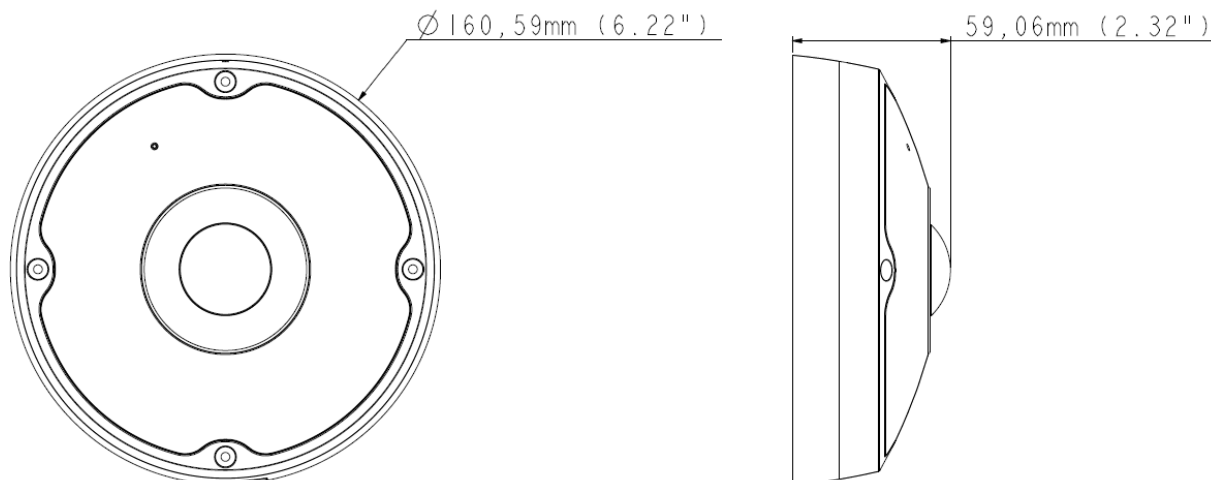
360° View



Quad View



## Dimensions



## Specifications

Camera		
Image Sensor		1/1.8" progressive scan CMOS
Picture Elements		2560 (H) x 2048 (V)
Minimum Illumination	Color	0.04 Lux
	B/W	0.03 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		50 dB
WDR		Yes
Dynamic Range		72 dB
Optics Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.45 mm
Maximum Aperture		F/2.2
Mount		M12
Image Format		1/1.8"
Horizontal FOV		180°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
IR LED Quantity		6 IR LEDs
Max. IR Distance		30 m (98.43 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Dual streams from H.265, H.264 or MJPEG
Frame Rate		50Hz: 25 fps at 2560 x 2048, 25 fps at 2176 x 2048 60Hz: 30 fps at 2560 x 2048, 30 fps at 2176 x 2048 *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, D/N Sensitivity, Backlight Compensation, WDR, Defog, Denoise,

		Metering
Audio Compression		G.711
Audio Support		Two-Way Audio
Sensor Input		1 input (Dry Contact)
Sensor Output		1 digital output (200mA 5V DC)
<b>Video Resolution</b>		
Main Stream	4:3	2560 x 2048 (default)
	20:19	2176 x 2048, 1792 x 1696, 1440 x 1376, 1280 x 1200
Sub Stream	4:3	640 x 512 (default)
	20:19	640 x 608
<b>Network</b>		
Interface		10/100 Ethernet
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA
Wireless LAN		IEEE 802.11 b/g/n
Antenna Type		External
Security		WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES)
<b>Mechanical</b>		
Temperature Detector		Yes
Connectors	Power	2-pin terminal block, PoE
	Ethernet	RJ-45
	Audio	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	3-pin terminal block
	Auto Iris	None
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
	USB	GV-WiFi Adapter or USB hard drive
LED Indicator		1 LED: Power / Status (Green light shows the camera is on.)
<b>General</b>		
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 / PoE+ (IEEE 802.3at)
Max. Power Consumption		15.5 W
Dimension		Ø 160.6 x 59.1 mm m (6.32" x 2.33")
Weight		700 g (1.54 lb)
Ingress Protection		IP67
Vandal Resistance		IK10+ for metal casing
Regulatory		CE, FCC, RCM, LVD, RoHS compliant
<b>Power over Ethernet</b>		
PoE Standard		PoE+ (IEEE 802.3at Class 4 Power over Ethernet / PD)
PoE Power Supply Type		End-Span, Mid-Span
PoE Power Output		Per Port 48V DC, 600mA. Max. 30 watts
<b>Web Interface</b>		
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, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, 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	
Network Storage	GV-Backup Center, GV-VMS
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	IE, Mobile App
CMS Server Support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

**Note:**






- Specifications are subject to change without notice.
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- 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.
- To use the GV-Eye application, change the video codec setting to H.264 for the GV-IP CAM H.265 models.


**Packing List**

- |                             |                           |
|-----------------------------|---------------------------|
| 1. H.265 Fisheye Camera     | 9. Installation Sticker   |
| 2. Back Plate               | 10. Ruler                 |
| 3. Plate Screw x 3          | 11. Silica Gel Bag x 2    |
| 4. Plastic Screw Anchor x 3 | 12. Door-Plug             |
| 5. Torx Wrench              | 13. GV-IPCAM Software DVD |
| 6. RJ-45 Connector          | 14. GV-Software DVD       |
| 7. Data Cable               | 15. Warranty Card         |
| 8. Terminal Block           |                           |

**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)
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)

Model No.	Name		Details
GV-Mount200	Wall Pendant Tube		<p>Dimensions: 225 x 140 x 250 mm (8.9" x 5.5" x 9.8")</p> <p>Weight: 900 g (1.98 lb)</p> <p>Note: To ensure the image quality, leave a distance of 1 M or more between the camera body and the wall.</p>
GV-Mount206	Wall Mount Bracket Kit		<p>Dimensions: 126.5 x 211.3 x 176.85 mm / 5 x 8.3 x 6.96 in (L x W x diameter)</p> <p>Weight: 0.93 kg / 2.06 lb</p> <p>Note: To ensure the image quality, leave a distance of 1 M or more between the camera body and the wall.</p>
GV-Mount702	Extension Tube		<p>Four options are available.</p> <p>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")</p> <p>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)</p>
GV-Mount903	Fisheye Dome Housing		<p>Dimensions: Ø 186 x 97.5 mm (Ø 7.3" x 3.8")</p> <p>Weight: 700 g (1.54 lb)</p>
GV-Mount912	Power Box Mount Bracket		<p>Dimensions: Ø 146 x 10.5 mm (Ø 5.7" x 0.4")</p> <p>Weight: 180 g (0.4 lb)</p>
GV-POE Switch			<p>The 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.</p>

Model No.	Name	Details
GV-WiFi Adaptor		<p>Weight: 20 g (0.04 lb)</p> <p>Dimensions: 15 x 15 x 155 mm (0.59" x 0.59" x 6.10")</p> <p>Supplied with mini USB to standard USB adapter.</p>
Power Adapter		Contact your sales representative for the countries and areas supported.