GV-FER5702　5MP H.265 Super Low Lux WDR Pro IR Fisheye Rugged IP Camera
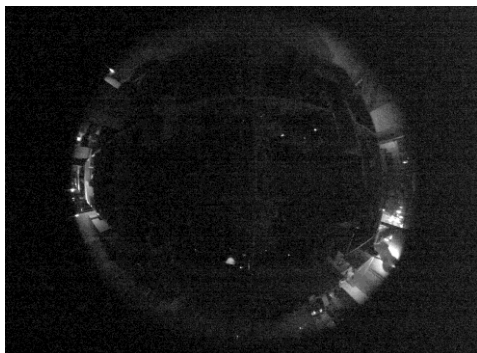
Introduction

GV-FER5702 is a 5 MP outdoor fisheye camera allowing you to monitor all angles of a location and can be installed to the ceiling or the wall. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality image at reduced network bandwidths. The camera adheres to IP66 and IK10 standards and can be powered through PoE. With its WDR Pro, it can process scenes with contrasting intensity of lights and produce clear image. It is also equipped with a built-in micro SD card slot for local storage.
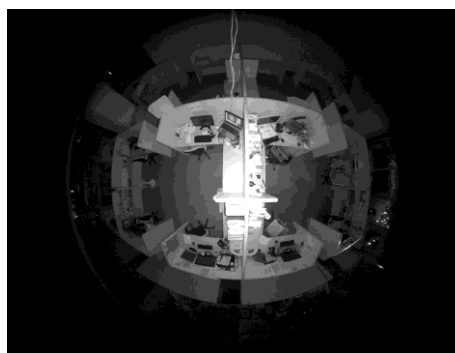
Key Features

- 1/2.8" progressive scan CMOS
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2592 x 1944
- Day and Night function (with removable IR-cut filter)
- Intelligent IR
- Vandal resistance (IK10)
- Ingress protection (IP66)
- One sensor input and one alarm output
- Built-in microphone
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) for local storage
- Two-way audio
- DC 12V/ PoE (IEEE 802.af)
- No mechanical moving parts
- Wide Dynamic Range Pro (WDR Pro)
- 2D / 3D noise reduction
- Smart streaming
- Tampering alarm
- Virtual PTZ function
- Auto Pan function
- Privacy mask
- Visual automation
- Text overlay
- 12 languages on Web interface
- ONVIF Profile S / G / T support

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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
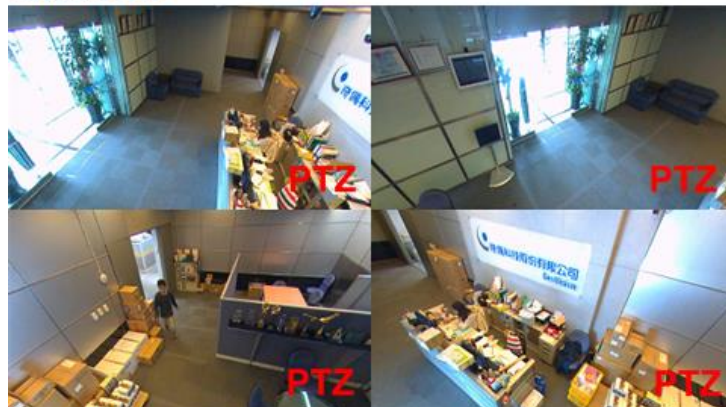
Photos

Fisheye Source Image
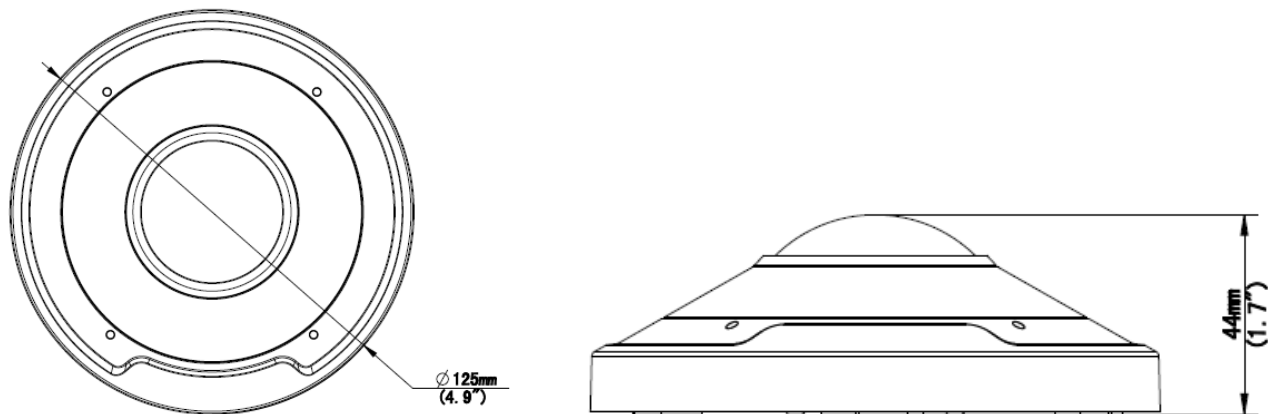

Single View

2 x 180° View

360° View

Quad View

Dimensions

Specifications

Camera		
Image Sensor		1/2.8" progressive scan CMOS
Picture Elements		2592 (H) x 1944 (V)
Minimum Illumination	Color	0.01 Lux (F2.0, AGC ON)
	IR On	0 Lux
Shutter Speed		Auto / Manual (1 ~ 1/100000s)
White Balance		Auto / Manual (2800K ~ 8500K)
S/N Ratio		55 dB
WDR Pro		Yes
Dynamic Range		120 dB
Optics Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.4 mm
Maximum Aperture		F/2
Mount		M12
Image Format		1/2.8"
Horizontal FOV		180°
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		Triple streams from H.265, H.264 or MJPEG
Frame Rate		30 fps at 2592 x 1944 (50/60 Hz) *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, Flicker-less, Image Orientation (Flip, Mirror, 0°, 180°)
Audio Compression		G.711
Audio Support		Two-way Audio (external speaker required)
Sensor Input		1 Input, dry contact, NO / NC
Alarm Output		1 Relay Output (1A 30V DC / 0.3A 125V AC)

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Video Resolution			
Video Resolution	Main Stream		2592 x 1944 (Default)
	Sub Stream		640 x 480 (Default)
	Third Stream (Closed by Default)		640 x 360, 352 x 288
Network			
Interface			10/100 Ethernet
Protocol			802.1x, ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile S, G, T)
Mechanical			
Connectors	Power		DC Jack
	Ethernet		RJ-45
	Audio		1 In (built-in or external microphone with power supply) 1 Out (Audio Out Wire)
	Digital I/O		I/O wires
	Local Storage		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
General			
Operating Temperature	Start-up		-30°C ~ 60°C (-22°F ~ 140°F)
	Operation		
Humidity			0% ~ 95% (no condensation)
Power Source			12V DC / PoE (IEEE 802.3af)
Max. Power Consumption			8.5W
Dimension			Ø 125x 44 mm (Ø 4.9" x 1.7")
Weight			360 g (0.79 lb)
Ingress Protection			IP66
Vandal Resistance			IK10
Regulatory			CE, FCC, RoHS compliant
Web Interface			
Installation Management			Web-based configuration
Maintenance			Firmware upgrade through Web Browser or GV-IP Device Utility
Language			Czech, English, French, German, Hungarian, Italian, Japanese, Portuguese, Russian, Spanish, Traditional Chinese, Simplified Chinese
Applications			
Software Supported			GV-VMS (V17.4.3 / V18.2.1 or later), GV-Recording Server (V2.1.0 or later)
Smart Device Access			GV-Eye for iOS and Android
Live Viewing			Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App

Note:

1. It is required to apply patch files to some of 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. To avoid reflected glare by IR LED, keep a minimum distance of 1 M (3.28 ft) between the camera body and nearby walls.
5. Specifications are subject to change without notice.

Packing List

1. GV-FER5702 Fisheye Camera
2. Waterproof Rubber Set
3. Screw Kit
4. Drill Template Paster
5. Download Guide

Accessories

Model No.	Name		Details
GV-Mount107 (must be used with GV-Mount212P)	Pendant Bracket		Dimensions: Ø 120 x 334 mm (Ø 4.72" x 13.15") Weight: 0.74 kg (1.63 lb)
GV-Mount211P (*)	Wall Mount and Junction Box		Dimensions: Ø 233 x 125 x 125 mm / (Ø 9.2" x 4.9" x 4.9") Weight: 1 kg (2.2 lb)
GV-Mount212P	Wall Box Mount		Dimensions: Ø 126 x 36 mm (Ø 5.0" x 1.4") Weight: 0.22 kg (0.48 lb)
GV-Mount300-2 (*)	Convex Corner Mount		Dimensions: 137 x 233 x 160 mm (5.4" x 9.17" x 6.3") Weight: 1.65 kg (3.64 lb)
GV-Mount310-2 (*)	Concave Corner Mount		Dimensions: 111.2 x 369.9 x 210 mm (2.6" x 11.4" x 6.6") Weight: 1.65 kg (3.64 lb)
GV-Mount704 (must be used with GV-Mount107)	Extension Tube		Dimensions: Ø 3.5 x 10 or 20 or 30 or 50 cm (Ø 1.38 x 3.9 or 7.9 or 11.8 or 19.7") Weight: 225 g or 360 g or 500 g or 780 g (0.5 lb or 0.79 lb or 1.1 lb or 1.72 lb)
GV-PA191	Power over Ethernet (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-PoE Switch	GV-PoE Switch is designed to provide power along with network connection for IP devices. 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.		

Note (*): GV-Mount211P + GV-Mount300-2 and **GV-Mount211P + GV-Mount310-2** are only for US markets. Please note that using a pendant or corner mount with the Fisheye camera may cause an IR reflection due to its 360-degree IR.