GV-FER5303 5MP H.264 WDR IR Fisheye Rugged IP Camera
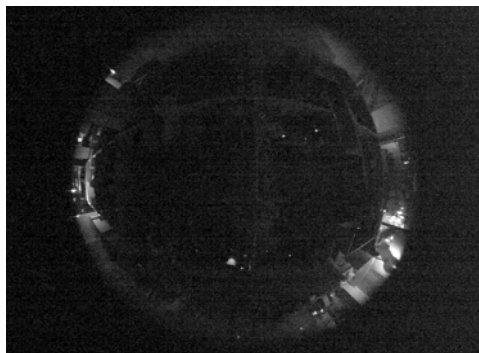
Key Features

- 1/2.5'' progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 10 fps at 2560 x 1920
- Day and night (with removable IR-cut filter)
- IR ring with effective distance up to 10 m (32.81 ft)
- Vandal resistance (IK10+ for metal casing)
- Ingress protection (IP67)
- 12V DC / 24V AC / PoE (IEEE 802.3af)
- Built-in micro SD card slot (SD/SDHC) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- Built-in microphone and speaker
- 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)
- 2D noise reduction
- Defog
- Tampering alarm
- Virtual PTZ function
- Auto Pan function
- Privacy mask
- Visual automation
- Text overlay
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option - NAS

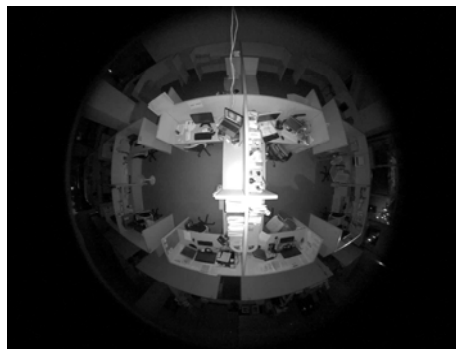* No Memory Card Slot & local storage function for Argentina.

Introduction

GV-FER5303 is an outdoor fisheye camera that allows you to monitor all angles of a location. It can be installed to the ceiling and the wall. The camera is equipped with an IR LED ring that provides infrared illumination under low-light situations. Its distorted hemispherical image of the camera can be converted into a conventional rectilinear projection. Without installing any software, you can watch live view and utilize functions such as motion detection, privacy mask, and alert notification through the Web interface. In addition, the camera seamlessly integrates with the GV-System, providing advanced monitoring and video management features.

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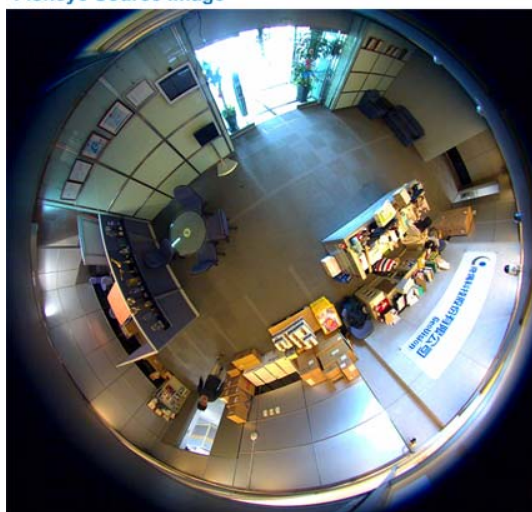

Third-Party Fisheye Camera

GV-Fisheye Camera with IR LED Ring
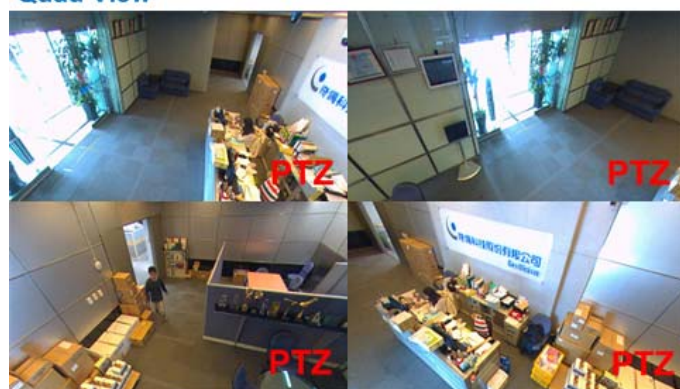
Photos

Fisheye Source Image
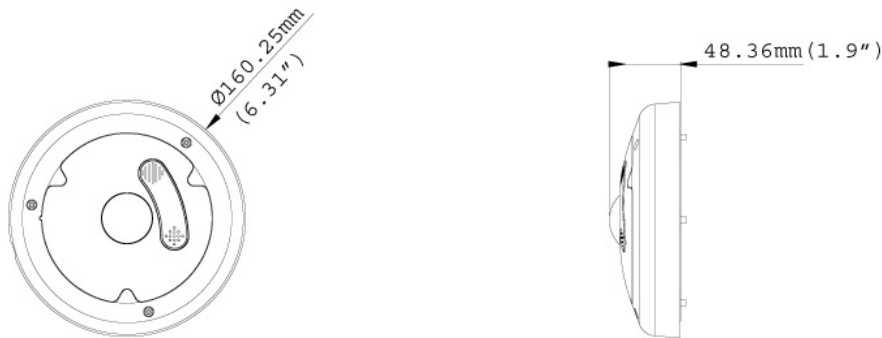

Single View

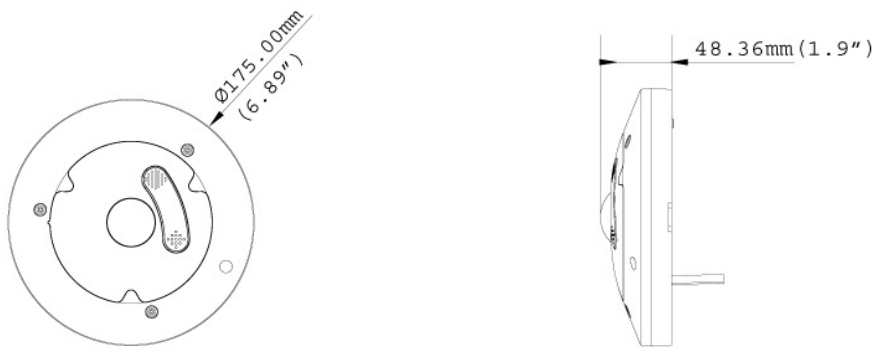2 x 180° View

360° View

Quad View

Dimensions

- . Camera Cover for Hard Ceiling Mount

- IR LED Ring

Specifications

System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008
	64-bit	Windows 7 / Server 2008
GV-System Version		GV-System V8.5.9.0 with patch or later
Browser		Internet Explorer 7.x or later, Firefox, Google Chrome, Safari
Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		2560 (H) x 1920 (V)
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
	IR On	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		45 dB
WDR		Yes
Optics Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.32 mm
Maximum Aperture		F/2.0
Mount		M12, Pitch 0.5 mm

Optics Lens			
Image Format			2.5"
Horizontal FOV			180°
Operation		Focus	Fixed
		Zoom	Fixed
		Iris	Fixed
IR LED Quantity			6 IR LEDs
Max. IR Distance			10 m (32.81 ft)

Operation			
Video Compression			H.264, MJPEG
Video Streaming			Dual streams from H.264 or MJPEG
Frame Rate			10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 *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, Backlight Compensation, WDR, Defog, Denoise, Metering
Audio Compression			G.711, AAC (optional)
Audio Support			Two-Way Audio

Video Resolution			
Main Stream			2560 x 1920, 2048 x 1944, 1440 x 1376, 1280 x 1200
Sub Stream			640 x 480

Network			
Interface			10/100 Ethernet
Protocol			FTP, DHCP, DynDNS, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SMTP, SNMP, TCP, UDP, UPnP

Mechanical			
Temperature Detector			Yes
Connectors		Power	2-pin terminal block, PoE
		Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector
		Audio	Built-in microphone and speaker
		Digital I/O	None
		Auto Iris	None
		Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
		TV-Out	None

General			
Operating Temperature			-30°C ~ 50°C (-22°F ~ 122°F)
Humidity			10% to 90% (no condensation)
Power Source			Camera: 12V DC / 24V AC / PoE (IEEE 802.3af) IR LED ring: 12V DC
Max. Power Consumption			15.4 W
Dimension		Hard-Ceiling Mount (with IR LED Ring)	Ø 175 x 48.36 mm (6.89" x 1.93")
		Cable Length	1 m (3.28 ft.)
		Cable Diameter	Ø 6.2 mm (0.24")
		Maximum Connector Diameter	Ø 30 mm (1.18")
Weight			960 g (2.12 lb)
Ingress Protection			IP67
Vandal Resistance			IK10+ for metal casing
Regulatory			CE, FCC, RCM, RoHS compliant

Power over Ethernet			
PoE Standard			PoE (IEEE 802.3af Power over Ethernet / PD)
PoE Power Supply Type			End-Span
PoE Power Output			Per Port 48V DC, 350 mA. Max. 15.4 watts

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, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Motion Detection, Privacy Mask, Visual Automation, Tampering Alarm, Auto Pan Function, Virtual PTZ, Wide Angle Lens Dewarping, 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	
Network Storage	GV-System (GV-DVR/NVR), GV-Backup Center, GV-Recording Server, GV-VMS
Live Viewing	IE, GV-Multi View
CMS Server Support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. Specifications are subject to change without notice.
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.

Packing List

1. Fisheye Camera
2. Camera Cover (Hard Ceiling Mount)
3. Screw (Hard Ceiling Mount) x 3
4. Plastic Screw Anchor x 3
5. Camera Cover (In-Ceiling Mount)
6. Screw (In-Ceiling Mount) x 3
7. Support Bracket x 3
8. Torx Wrench
9. Waterproof Rubber
10. IR LED Ring
11. IR Power Adapter (DC 12V, 3.5A)
12. Power Cable
13. Terminal Block x 2
14. Installation Sticker
15. Silica Gel Bag and Adhesive Tape x 2
16. Cable Connector
17. Power Adapter (DC 12V, 1.25A)
18. GV-IPCAM H.264 Software DVD
19. GV-Fisheye IP Dome Hardware Installation Guide
20. GV-NVR Software DVD
21. Warranty Card

Note: The power adapter (DC 12V, 1.25A) can be excluded upon request.

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 Tube		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-Mount205	Wall Mount Bracket Kit		Dimensions: 126.5 x 203 x 160 mm / 5 x 8 x 6.3" (L x W x diameter) Weight: 0.5 kg / 1.1 lb Note: To ensure the image quality, leave a distance of 1 M or more between the camera body and the wall.
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 1.21lb or 1.76 lb)
GV-Mount903	Fisheye Dome Housing		Dimensions: Ø 186 x 97.5 mm (Ø 7.3" x 3.8") Weight: 700 g (1.54 lb)
GV-Mount904	Tilting Wall Mount Bracket		Dimensions: Ø 159.1 x 40.5 mm (Ø 6.3" x 1.6") Weight: 400 g (0.88 lb)
GV-Mount912	Power Box Mount Bracket		Dimensions: Ø 146 x 10.5 mm (Ø 5.7'' x 0.4'') Weight: 180 g (0.4 lb)

Model No.	Name		Details
GV-PA191	Power over Ethernet (PoE) Adapter		The 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			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.
Power Adapter			Contact your sales representative for the countries and areas supported.
Power Adapter for GV-IR LED Ring			Contact your sales representative for the countries and areas supported.