

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



### Key Features

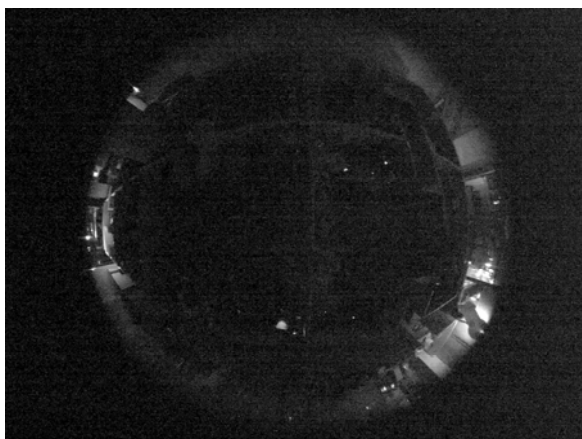
- 1/2.5" progressive scan CMOS
- Single stream from H.264 and MJPEG
- Up to 10 fps at 2560 x 1920
- Day and night (with removable IR-cut filter)
- IR ring with effective distance up to 10 m (32.81 ft)
- Vandal resistance (IK10+ for metal casing)
- Ingress protection (IP67)
- Built-in micro SD card slot (SD/SDHC) for local storage
- 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

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

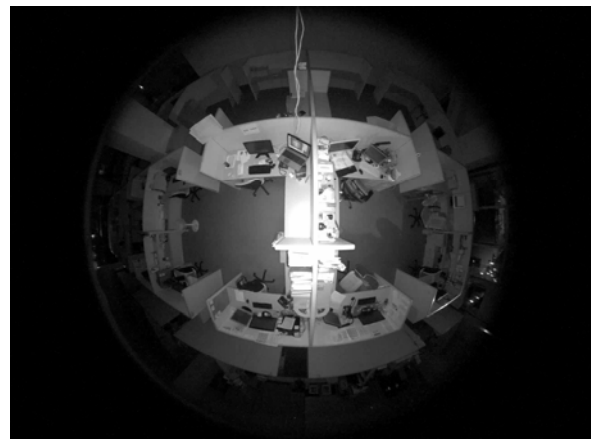
### Introduction

GV-FER5303 is an outdoor fisheye camera that allows you to monitor all angles of a location. It can be installed to the ceiling, wall, wall corner and the pole. 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



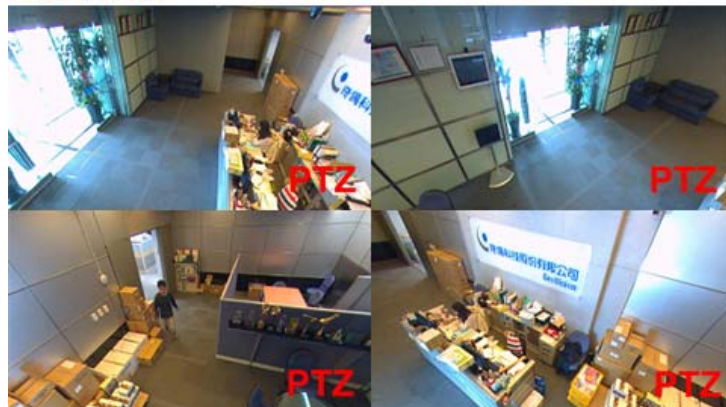
2 x 180° View



360° View

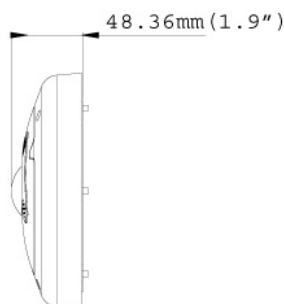
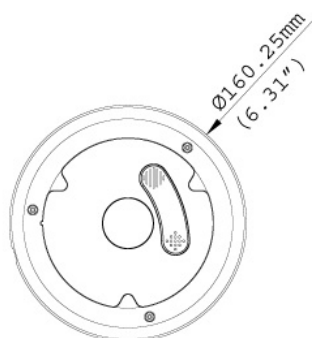


Quad View

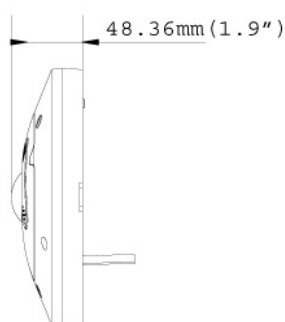
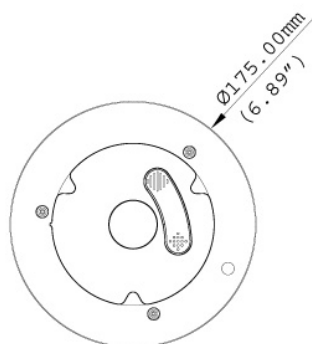


## Dimensions

- 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		1.05 mm
Maximum Aperture		F/2.8
Mount		M12, Pitch 0.5 mm

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)
<b>Operation</b>		
Video Compression		H.264, MJPEG
Video Streaming		Single stream 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
<b>Video Resolution</b>		
Main Stream		2560 x 1920, 2048 x 1944, 1440 x 1376, 1280 x 1200
<b>Network</b>		
Interface		10/100 Ethernet
Protocol		FTP, DHCP, DynDNS, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SMTP, SNMP, TCP, UDP, UPnP
<b>Mechanical</b>		
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
<b>General</b>		
Operating Temperature		-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		Camera: 12V DC / 24V AC / PoE (IEEE802.3af) IR LED ring: 12V DC
Max. Power Consumption		22 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
<b>Power over Ethernet</b>		
PoE Standard		IEEE 802.3af Power over Ethernet / PD
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 350mA. 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-NVR, GV-System, GV-Backup Center, GV-Recording Server
Live Viewing	IE , GV-Multi View
CMS Server Support	GV-Control Center, GV-Center V2, GV-VSM

**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.
  - 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.

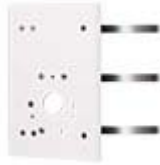





## Packing List

- |                                      |  |
|--------------------------------------|--|
| 1. Fisheye Camera                    | 11. IR Power Adapter                     |
| 2. Camera Cover (Hard Ceiling Mount) | 12. Power Cable                          |
| 3. Screw (Hard Ceiling Mount) x 3    | 13. Terminal Block x 2                   |
| 4. Plastic Screw Anchor x 3          | 14. Installation Sticker                 |
| 5. Camera Cover (In-Ceiling Mount)   | 15. Silica Gel Bag and Adhesive Tape x 2 |
| 6. Screw (In-Ceiling Mount) x 3      | 16. Cable Connector                      |
| 7. Support Bracket x 3               | 17. GV-Fisheye IP Camera Software DVD    |
| 8. Torx Wrench                       | 18. GV-NVR Software DVD                  |
| 9. Waterproof Rubber                 | 19. GV-NVR Quick Start Guide             |
| 10. IR LED Ring                      |  |

## 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)
GV-Mount203	Wall Pendant Tube and Junction Box Kit		Dimensions: 315 x 195.5 x 225 mm (12.4" x 7.7" x 8.9") Weight: 2.95 kg (6.5 lb)
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
GV-Mount300	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount310	Concave Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")		Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"

Model No.	Name		Details
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")		Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-Mount702	Extension Tube		<b>Four</b> 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)
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			The power adapter is available in 6 regions: Argentina, Australia, Brazil, Europe, U.K and U.S.
Power Adapter for GV-IR LED Ring			The power adapter is available in 6 regions: Argentina, Australia, Brazil, Europe, U.K and U.S.

