GV-FE3403 3MP H.264 WDR Pro IR Fisheye IP Camera

Key Features

- 1/3.2'' progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 15 fps at 2048 x 1536
- Day and night (with removable IR-cut filter)
- IR ring with effective distance up to 10 m (32.81 ft)
- Wide Dynamic Range Pro (WDR Pro)
- Vandal resistance (IK10+ for metal casing)
- PoE + (IEEE 802.3at)
- Mini USB slot for WiFi Adapter or USB hard drive
- 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
- 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-FE3403 is an indoor 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-DVR / NVR 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.
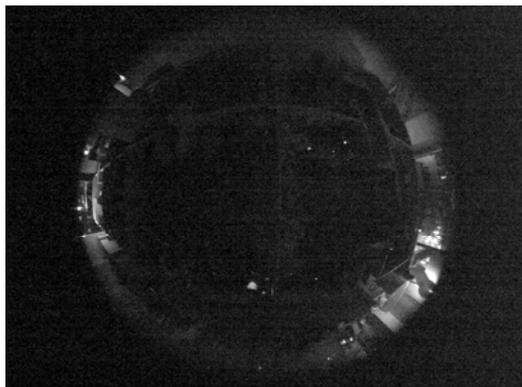
Third-Party Fisheye Camera
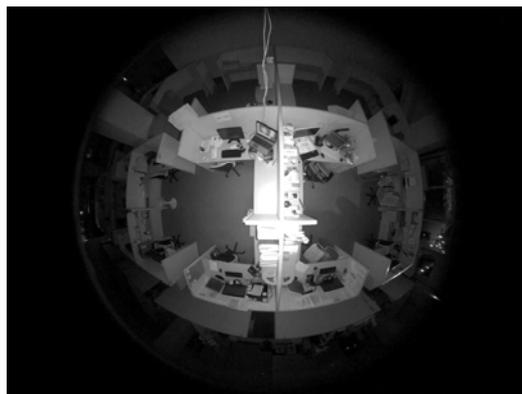
GV-Fisheye Camera with IR LED Ring
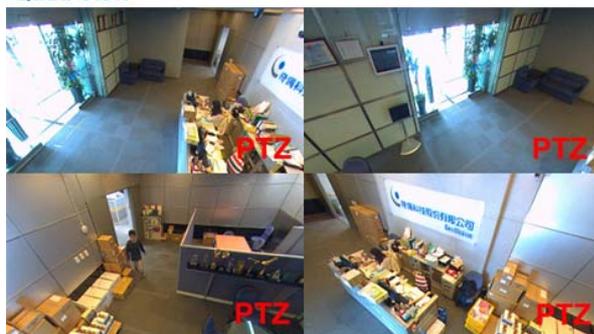
Photos

Fisheye Source Image

Single View

2 x 180° View

360° View

Quad View
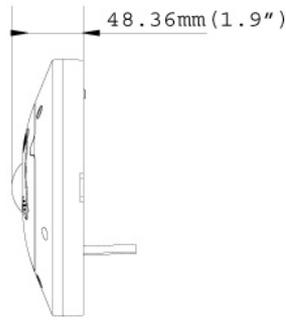
Dimensions

- Camera Cover for Hard Ceiling Mount

Ø160.25mm (6.31")

48.36mm (1.9")

- IR LED Ring

Ø175.00mm (6.89")

48.36mm (1.9")
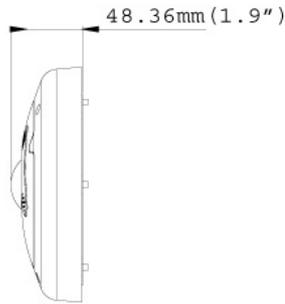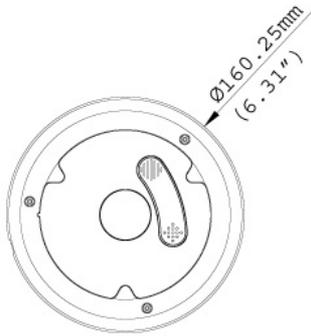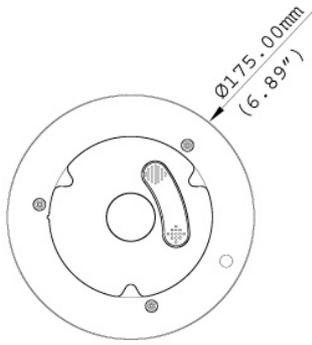
- IR LED Ring with PoE Converter

Ø175.00mm (6.89")

66.36mm (2.61")

GV-FE3403 *September 18, 2020*
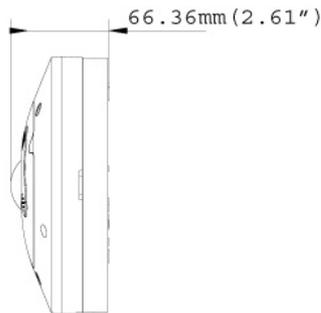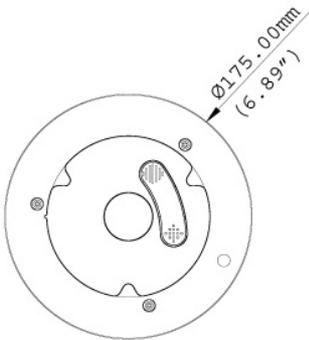
Specifications

System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008
	64-bit	Windows 7 / Server 2008
GV-DVR / NVR Version		GV-DVR / NVR V8.5.9.0 with patch or later
Browser		Internet Explorer 7.x or later, Firefox, Google Chrome, Safari

Camera		
Image Sensor		1/3.2" progressive scan CMOS
Picture Elements		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.08 Lux
	B/W	0.05 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		47 dB
WDR Pro		Yes
Dynamic Range		Up to 100 dB

Optics Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.19 mm
Maximum Aperture		F/2.0
Mount		M12, Pitch 0.5 mm
Image Format		4.1 mm (Image Circle)
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	15 fps at 1440 x 1376, 1280 x 1200 (60/50 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, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N, Backlight Compensation, WDR, Defog, Denoise, Metering
Audio Compression	G.711
Audio Support	Two-way Audio (external speaker required)

Video Resolution	
Main Stream	2048 x 1536 (Default), 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), QoS (DSCP), RTSP, SMTP, SNMP, TCP, UDP, UPnP

Mechanical	
Temperature Detector	Yes

Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100BaseT[X]), RJ-45 Connector
	Audio	1 In (built-in microphone) 1 Out (built-in speaker or Stereo phone jack, 3.5 mm / 0.14'')
	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
	Mini USB	GV-WiFi Adapter or USB hard drive

General

Operating Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source	w/o PoE Converter	Camera: 12V DC / 24V AC / PoE (IEEE 802.3af) IR LED ring: 12V DC
	w/ PoE Converter	PoE+ (IEEE 802.3 at)
Max. Power Consumption	w/o PoE Converter	22 W
	w/ PoE Converter	30 W
Dimension	Hard-Ceiling Mount (with IR LED Ring)	Ø 175 x 48.36 mm (6.89" x 1.93")
Weight	w/o PoE Converter	870 g (1.92 lb)
	w/ PoE Converter	1.045 kg (2.3 lb)
Vandal Resistance		IK10+ for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant

Power over Ethernet

PoE Standard	PoE+ (IEEE 802.3at Power over Ethernet / PD)
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 48V DC, 600 mA. Max 30 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-VMS / DVR / NVR, GV-Backup Center, GV-Recording Server
Live Viewing	IE , GV-Multi View
CMS Server Support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. 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.

3. Specifications are subject to change without notice.

Packing List

1. GV-Fisheye Camera
2. Support Bracket x 3
3. Camera Cover (Hard Ceiling Mount)
4. Camera Cover (In-Ceiling Mount)
5. Screw (Hard Ceiling Mount) x 3
6. Screw (In-Ceiling Mount) x 3
7. Torx Wrench

8. Plastic Screw Anchor x 3
9. Mini USB Extension Cable
10. IR LED Ring
11. PoE Converter set (Module, DC Power Y-Cable, RJ-45 Cable, PoE Screw x 3)
12. Installation Sticker
13. Download Guide
14. Warranty Card

Note: The power adapter can be purchased 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)
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-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) Note: To ensure the image quality, leave a distance of 1 M or more between the camera body and the wall.

Model No.	Name		Details
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-Mount 208-2	Swan Neck Mount		Dimensions: 1043 x 519 x 256 mm (41.06 x 20.43 x 10.08") 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	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 our sales representative for the countries and areas supported.
Power Adapter for GV-IR LED Ring			Contact our sales representative for the countries and areas supported.