GV-FER3402 3MP H.264 WDR Pro Fisheye Rugged IP Camera

Introduction

GV-FER3402 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'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 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.

Key Features

- 1/3.2'' progressive scan CMOS
- Single stream from H.264 and MJPEG
- Up to 15 fps at 2048 x 1536
- Day and night (with removable IR-cut filter)
- Wide Dynamic Range Pro (WDR Pro)
- 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
- 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.

Photos

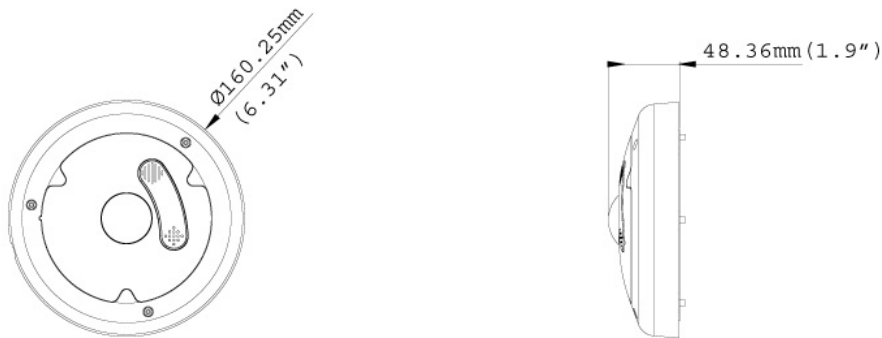Fisheye Source Image

Single View

2 x 180° View

360° View

Quad View

Dimensions

- Camera Cover for Hard Ceiling Mount

- Camera Cover for In Ceiling Mount

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		1/3.2" progressive scan CMOS
Picture Elements		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.08 Lux
	B/W	0.05 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
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

Operation

Video Compression	H.264, MJPEG
Video Streaming	Single stream from H.264 or MJPEG
Frame Rate	15 fps at 2048 x 1536, 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
Audio Compression	G.711, AAC (optional)
Audio Support	Two-Way Audio

Video Resolution

Main Stream	2048 x 1536, 1440 x 1376, 1280 x 1200

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
	Mini USB	GV-WiFi Adapter or USB hard drive

General

Operating Temperature		-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)
Max. Power Consumption		3.6 W
Dimension	Hard-Ceiling Mount	Ø 160.25 x 48.36 mm (6.31" x 1.93")
	In-Ceiling Mount	Ø 166.48 x 48.36 mm (6.55" 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		500 g (1.1 lb)
Ingress Protection		IP67
Vandal Resistance		IK10+ for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant

Power over Ethernet

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:

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.
   - 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. Power Cable
11. Terminal Block x 2
12. Installation Sticker
13. Silica Gel Bag and Adhesive Tape x 2
14. Cable Connector
15. GV-Fisheye IP Camera Software DVD
16. GV-NVR Software DVD
17. GV-NVR Quick Start Guide

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		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"
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"

Model No.	Name		Details
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)
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.

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