

## GV-FE3402 3MP H.264 WDR Pro Fisheye IP Camera



### Introduction

GV-FE3402 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'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
- Dual streams 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)
- 12V DC / 24V AC / PoE (IEEE 802.3af)
- 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.

Photos

Fisheye Source Image



Single View



2 x 180° View



360° View

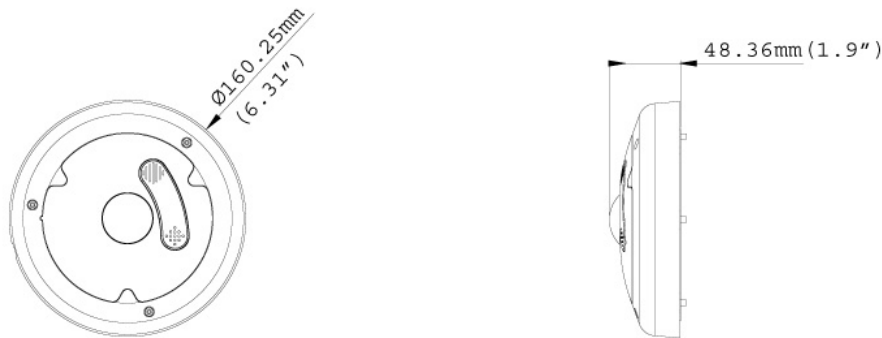


Quad View

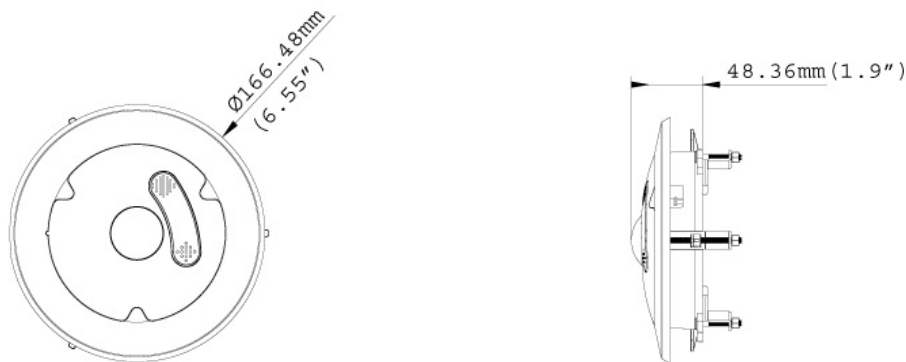


## Dimensions

- 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	
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°	

	Focus	Fixed
Operation	Zoom	Fixed
	Iris	Fixed
<b>Operation</b>		
Video Compression	H.264, MJPEG	
Video Streaming	Dual streams from H.264 or MJPEG	
Frame Rate	15 fps at 2048 x 1536, 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, AAC (optional)	
Audio Support	Two-Way Audio	
<b>Video Resolution</b>		
Main Stream	2048 x 1536 (Default), 1440 x 1376, 1280 x 1200	
Sub Stream	640 x 480	
<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	
<b>Mechanical</b>		
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
<b>General</b>		
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption	8.6 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")
Weight	410 g (0.9 lb)	
Vandal Resistance	IK10+ for metal casing	
Regulatory	CE, FCC, RCM, RoHS compliant	
<b>Power over Ethernet</b>		
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	
<b>Web Interface</b>		
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
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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**






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|--------------------------------------|--|
| 1. Fisheye Camera                    | 9. Mini USB Extension Cable                        |
| 2. Camera Cover (Hard Ceiling Mount) | 10. Installation Sticker                           |
| 3. Screw (Hard Ceiling Mount) x 3    | 11. Power Adapter                                  |
| 4. Plastic Screw Anchor x 3          | 12. GV-IPCAM H.264 Software DVD                    |
| 5. Camera Cover (In-Ceiling Mount)   | 13. GV-Fisheye IP Dome Hardware Installation Guide |
| 6. Screw (In-Ceiling Mount) x 3      | 14. GV-NVR Software DVD                            |
| 7. Support Bracket x 3               | 15. Warranty Card                                  |
| 8. Torx Wrench                       |  |

**Note:** The power adapter can be excluded upon request.

**Accessories**

Model No.	Name	Details
GV-Mount100	Straight Tube and Junction Box Kit	 <p>Dimensions: 200 x 170 x 257.5 mm (7.9" x 6.7" x 10.1") Weight: 3.17 kg (6.99 lb)</p>
GV-Mount101	Straight Tube Kit	 <p>Dimensions: 219 x 125 x 332 mm (8.6" x 4.9" x 13.1") Weight: 1.8 kg (3.97 lb)</p>

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			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		<p><b>Four</b> options are available.</p> <p>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")</p> <p>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)</p>
GV-Mount903	Fisheye Dome Housing		<p>Dimensions: Ø 186 x 97.5 mm (Ø 7.3" x 3.8")</p> <p>Weight: 700 g (1.54 lb)</p>
GV-Mount904	Tilting Wall Mount Bracket		<p>Dimensions: Ø 159.1 x 40.5 mm (Ø 6.3" x 1.6")</p> <p>Weight: 400 g (0.88 lb)</p>
GV-Mount912	Power Box Mount Bracket		<p>Dimensions: Ø 146 x 10.5 mm (Ø 5.7" x 0.4")</p> <p>Weight: 180 g (0.4 lb)</p>
GV-PA191	Power over Ethernet (PoE) Adapter		<p>The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p>
GV-POE Switch			<p>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.</p>
Power Adapter			<p>The power adapter is available in 6 regions: Argentina, Australia, Brazil, Europe, U.K and U.S.</p>