

## GV-FE4301 4MP H.264 WDR Fisheye IP Camera

GV-FE4301



### Introduction

The GV-FE4301 is a fisheye camera that allows you to monitor all angles of a location using just one camera. The distorted hemispherical image of the fisheye camera will be converted into the 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 using an IE browser. In addition, the GV-FE4301 seamlessly integrates with the GV-System, providing advanced monitoring and video management features.

The GV-Fisheye IP Camera is designed to be mounted on the ceiling, wall or ground. There are two ways to mount the GV-FE4301 on the ceiling, Hard Ceiling Mount and In-Ceiling Mount. In-Ceiling Mount allows the GV-FE4301 to be mounted into the ceiling, revealing a small portion of the camera.

### Key Features

- 4 MP progressive scan CMOS
- H.264 and MJPEG
- Electronic day and night function
- Wide Dynamic Range (WDR)
- Provides 360° and 180° panorama view
- No mechanical moving parts
- Built-in micro SD card slot (SD/SDHC) for local storage
- Virtual PTZ function
- Auto Pan function
- Object tracking
- Built-in Web server for monitoring through IE browser
- Different angle of view controllable by multiple users at the same time
- Up to 15 fps at 2048 x 1944
- Built-in microphone and speaker
- One sensor input and alarm output
- DC 12V / AC 24V / PoE
- Playback from any view angle and zoom level
- 2D noise reduction
- Privacy mask to cover parts of the image that should not be viewable
- Visual automation
- Tampering alarm
- 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



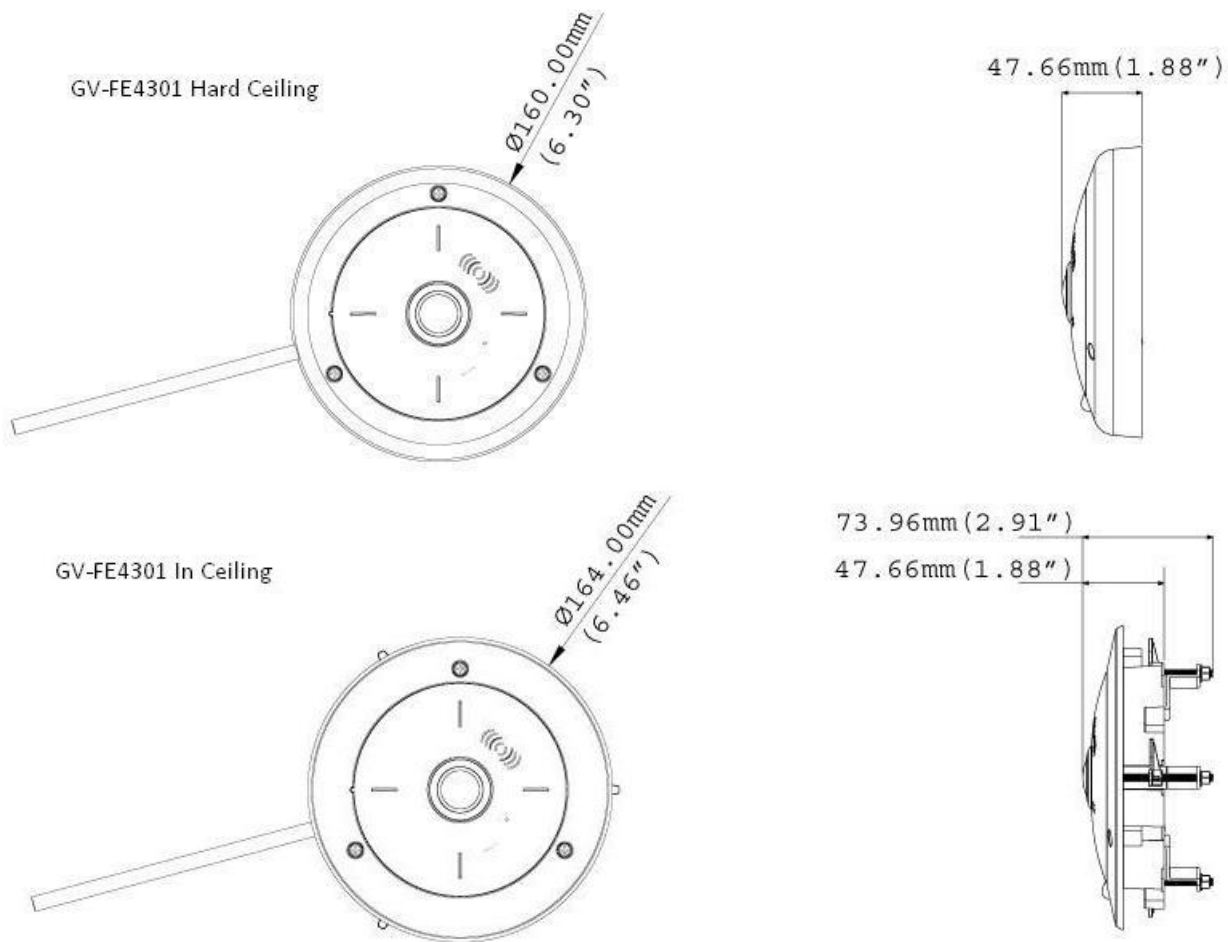
360° View



Quad View



## Dimensions



## Specifications

System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008
	64-bit	Windows 7 / Server 2008
GV-System Version	GV-System V8.5.6 with patch or later	
Browser	Internet Explorer 7.x or later	
Camera		
Image Sensor	1/2.5" progressive scan CMOS	
Picture Elements	2048 (H) x 1944 (V), 1440(H) x 1376 (V)	
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
Shutter Speed	Automatic, Manual (1/5 – 1/8000 sec.)	
White Balance	Automatic, Manual (2800K – 8500K)	
Gain Control	Automatic	
S/N Ratio	45 dB	
Optics Lens		
Megapixel	Yes	
Day/Night	Yes (electronic)	
Iris	Fixed Iris	
Focal Length	1.05 mm	
Aperture	F/2.8	
Mount	M12, Pitch 0.5 mm	
Image Format	1/2"	
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 *The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).	
Image Setting	Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Backlight Compensation, Image Orientation, Shutter Speed, Day / Night, WDR, Defog, Denoise, Metering	
Audio Compression	G.711, AAC (optional)	
Audio Support	Two-Way Audio	
Sensor Input	1 Digital Input (Dry Contact)	
Alarm Output	1 Digital Output	
Network		
Interface	10/100 Ethernet	
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)	
Mechanical		
Lens Mounting	M12, Pitch 0.5 mm (0.02")	
Temperature Detector	Yes	
Mechanical		
Connectors	Power	Terminal block (3 pin), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector
	Audio	Built-in microphone and speaker
	Digital I/O	I/O Wire
	Auto Iris	None
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * <b>SDXC</b> and <b>UHS-I</b> card types are not supported.
	TV-Out	None
General		
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC / PoE (IEEE802.3af)	
Max. Power Consumption	5 W	
Dimension	Camera Mount	Hard-Ceiling Mount ø 160 x 47.66 mm (6.30" x 1.88")
	Body Mount	In-Ceiling Mount ø 164 x 47.66 mm (6.46" x 1.88")
	Cable Length	1 m (3.28 ft.)
	Cable Diameter	ø 8 mm (0.31")
	Maximum Connector Diameter	ø 28.5 mm (1.12")
Weight	650 g (1.43 lb)	
Regulatory	CE, FCC, RCM, RoHS compliant	
Power over Ethernet		
PoE Standard	IEEE 802.3af Power over Ethernet / PSE	
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, Privacy Mask, Visual Automation, Tampering Alarm, Auto Pan Function, Virtual PTZ, Motion Detection, Wide Angle Lens Dewarping, Text Overlay, Digital PTZ	
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 , mobile phone
CMS Server Support	GV-Control Center, GV-Center V2, GV-VSM

**Note:**




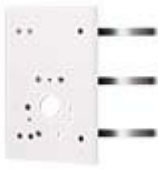




- Specifications are subject to change without notice.
- Mind the following when using a memory card for recording:
  - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory 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                    | 5. Camera Cover (In-Ceiling Mount) |
| 2. Camera Cover (Hard Ceiling Mount) | 6. Screw (In-Ceiling Mount) x 3    |
| 3. Screw (Hard Ceiling Mount) x 3    | 7. Support Bracket x 3             |
| 4. Plastic Screw Anchor x 3          | 8. Torx Wrench                     |

**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)
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)

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
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"
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)

Model No.	Name	Details
GV-Mount912	Power Box Mount Bracket	 <p data-bbox="944 208 1378 237">Dimensions: Ø 146 x 10.5 mm (Ø 5.7" x 0.4")</p> <p data-bbox="944 253 1158 282">Weight: 180 g (0.4 lb)</p>
GV-PA191	Power over Ethernet (PoE) Adapter	 <p data-bbox="944 506 1516 629">The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p>
<b>Power Adapter</b>		<p data-bbox="944 707 1509 784">Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.</p>
<b>GV-POE Switch</b>		<p data-bbox="944 819 1525 985">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>