# GV-FE2301 2MP H.264 WDR Fisheye IP Camera



## Introduction

The GV-FE2301 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-FE2301 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-FE2301 on the ceiling, Hard Ceiling Mount and In-Ceiling Mount. In-Ceiling Mount allows the GV-FE2301 to be mounted into the ceiling, revealing a small portion of the camera.
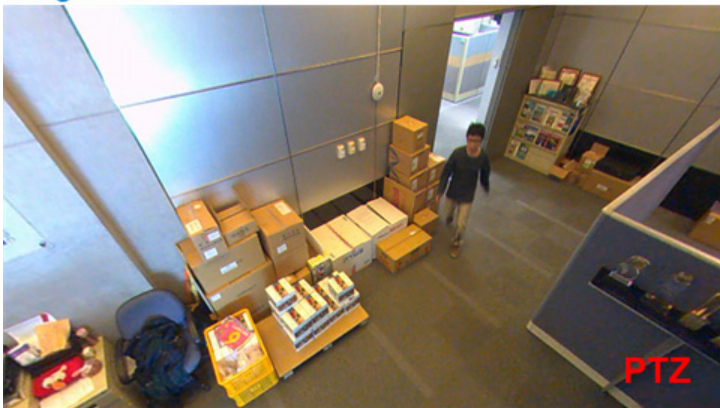
## Key Features

- 2 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 (SDHC / SDXC) card slot 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 1440 x1376
- Built-in microphone and speaker
- One sensor input and alarm output
- DC 12V / AC 24V / PoE
- Playback from any view angle and zoom level
- 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
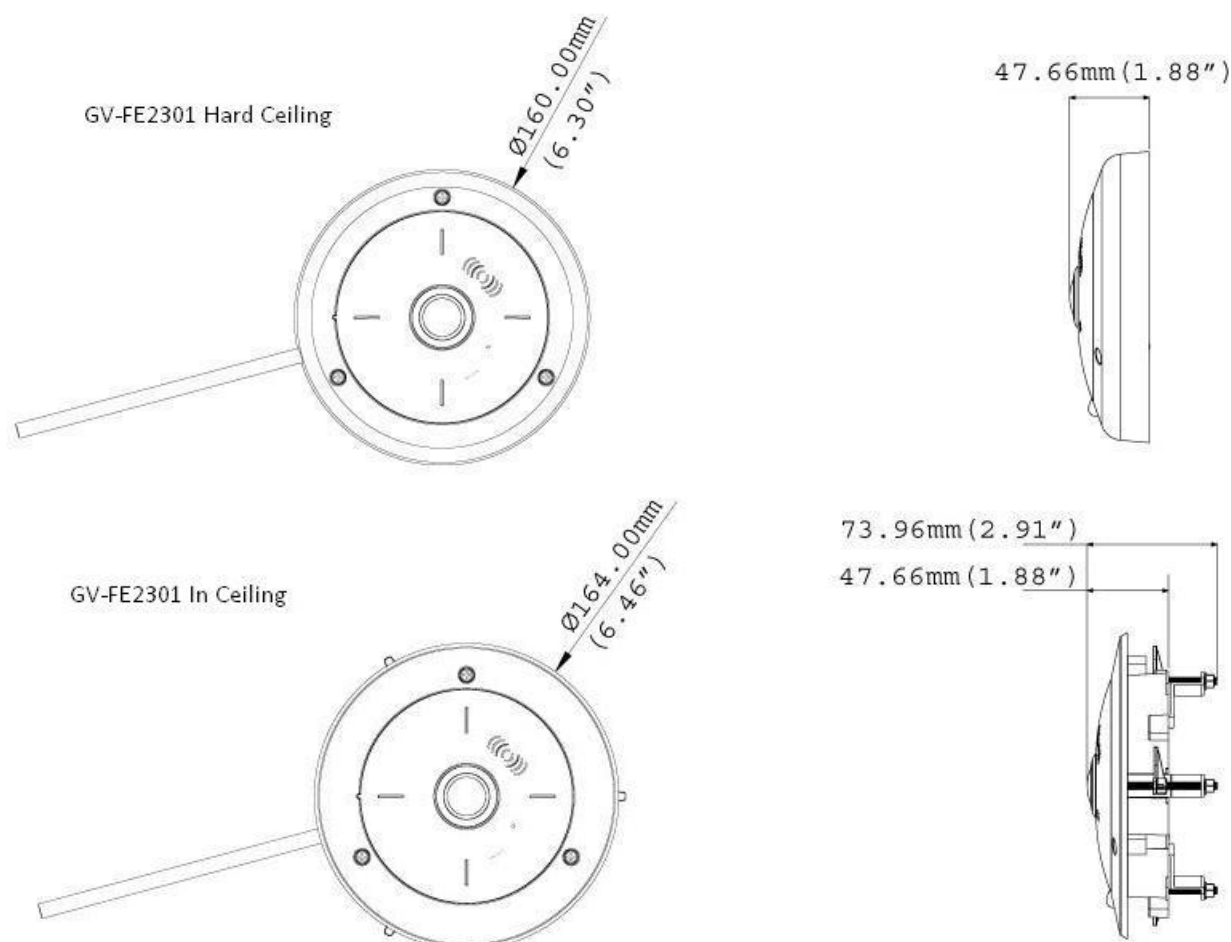
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**Fisheye Source Image**



**Single View**



PTZ

**2 x 180° View**



180°

180°

**360° View**



PTZ

PTZ

360°

**Quad View**



PTZ

PTZ

PTZ

PTZ

## Dimensions

GV-FE2301 Hard Ceiling

Ø160.00mm (6.30")

47.66mm (1.88")

GV-FE2301 In Ceiling

Ø164.00mm (6.46")

73.96mm (2.91")

47.66mm (1.88")

## 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 | | 1440 (H) x 1376 (V) |
| Minimum Illumination | Color | 1 Lux |
| | B/W | 0.5 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 |
| Image Setting | Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Backlight Compensation, Image Orientation, Shutter Speed, Day / Night, WDR, Defog |
| Audio Compression | G.711 |
| Two-way Audio | Yes |
| 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 memory card slot (SDHC / SDXC for Class 6 card or above) |
| | 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 Body — Hard-Ceiling Mount | ø 160 x 47.66 mm (6.30" x 1.88") |
| | Camera Body — 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, C-Tick, 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.**

## 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")<br><br>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")<br><br>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")<br><br>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")<br><br>Weight: 2.95 Kg (6.5 lb) |
| GV-Mount300 | Convex Corner Adapter Kit | | Dimensions: 238.6 x 409.5 mm (9.4" x 16.1")<br><br>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")<br><br>Weight: 4.27 Kg (9.41 lb) |

| Model No. | Name | | Details |
|---|---|---|---|
| GV-Mount400 | Pole Mount Bracket Kit (Ø 4" ~ 6") | | Bracket: 241 x 161 mm (9.5" x 6.3")<br><br>Weight: 1.70 Kg (3.75 lb)<br><br>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")<br><br>Weight: 1.70 Kg (3.75 lb)<br><br>Steel Strap Diameter: Ø 6" ~ 7.5" |
| GV-Mount702 | Extension Tube | | **Four** options are available.<br><br>Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm<br><br>(Ø 2.1" x 3.9" or 7.9" or 11.8" or 19.7")<br><br>Weight: 180 g or 390 g or 550 g or 800 g<br><br>(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")<br><br>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")<br><br>Weight: 400 g (0.88 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. |
| | Power Adapter | | Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe. |