GV-FE2301 2MP H.264 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.
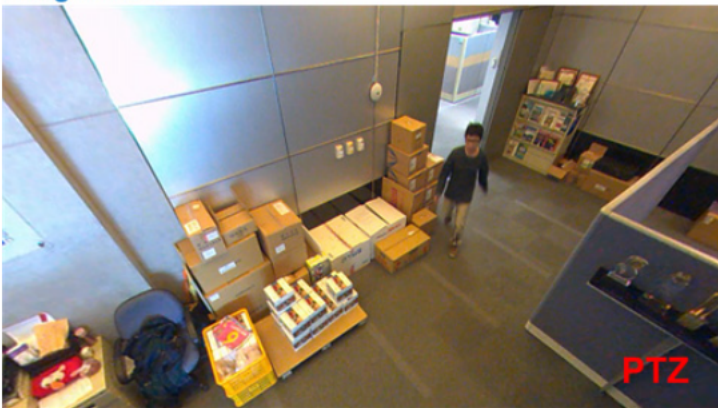
Key Features

- 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
- Micro SD / SDHC / SDXC Card Slot
- 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 conformant

* No memory card slot & local storage function for Argentina
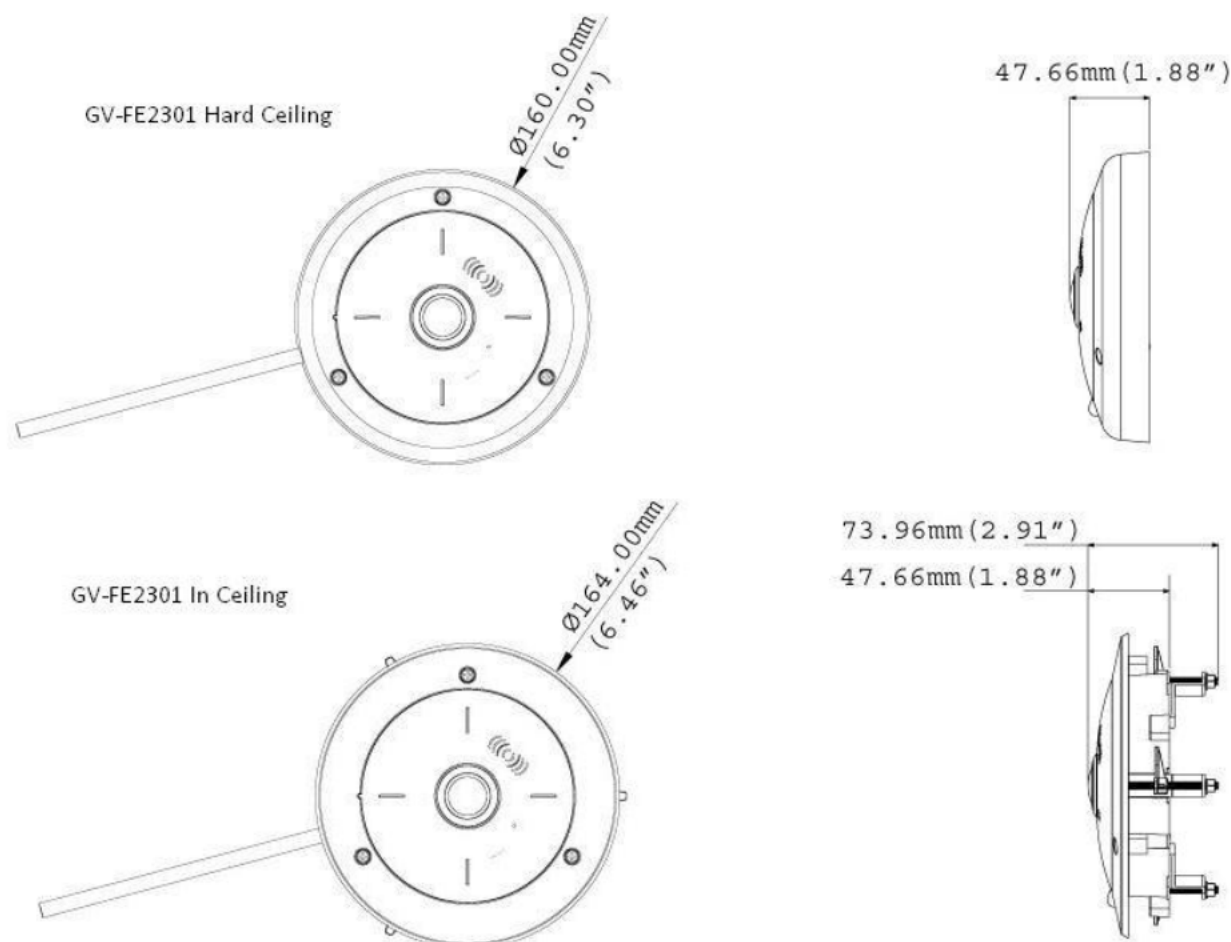
Fisheye Source Image

Single View

2 x 180° View

180°

PTZ

180°

360° View

PTZ

PTZ

360°

Quad View

PTZ

PTZ

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	2 Lux at F/2.8
	B/W	
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, AAC (24 kHz / 16 bit)
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

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/SDHC/SDXC memory card slot (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")
		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
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") 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)
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)

Model No.	Name		Details
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		**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 1.21lb 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)
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.