GV-FE521 5MP H.264 Fisheye IP Camera

Introduction

The GV-FE521 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-FE521 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-FE521 on the ceiling, **Hard Ceiling Mount** and **In-Ceiling Mount**. In-Ceiling Mount allows the GV-FE521 to be mounted into the ceiling, revealing a small portion of the camera.

Key Features

- 5MP progressive scan CMOS
- H.264 and MJPEG
- Wide Dynamic Range (WDR)
- Electronic Day/Night function
- Provides 360 and 180 degrees panorama view
- No mechanical moving parts
- Digital Object Tracking
- Built-in Web server for monitoring through IE browser
- Virtual PTZ function
- Auto Pan function
- Different angle of view accessible by multiple users at the same time
- Up to 10 fps at 2560 x1920
- Playback from any view angle and zoom level
- 2D noise reduction
- Privacy mask
- Visual automation
- Tampering alarm
- Two-way audio
- One sensor input and alarm output
- 12V DC / 24V AC / PoE (IEEE 802.3af)
- Built-in micro SD card slot (SD/SDHC) for local storage
- 31 languages on Web interface
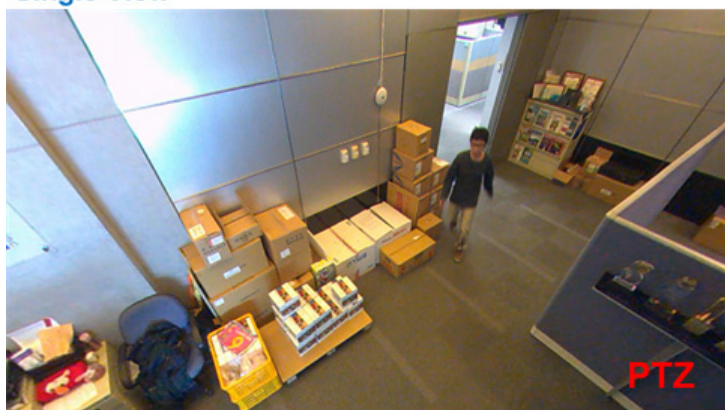- ONVIF (Profile S) conformant

* No Memory Card Slot & local storage function for Argentina.
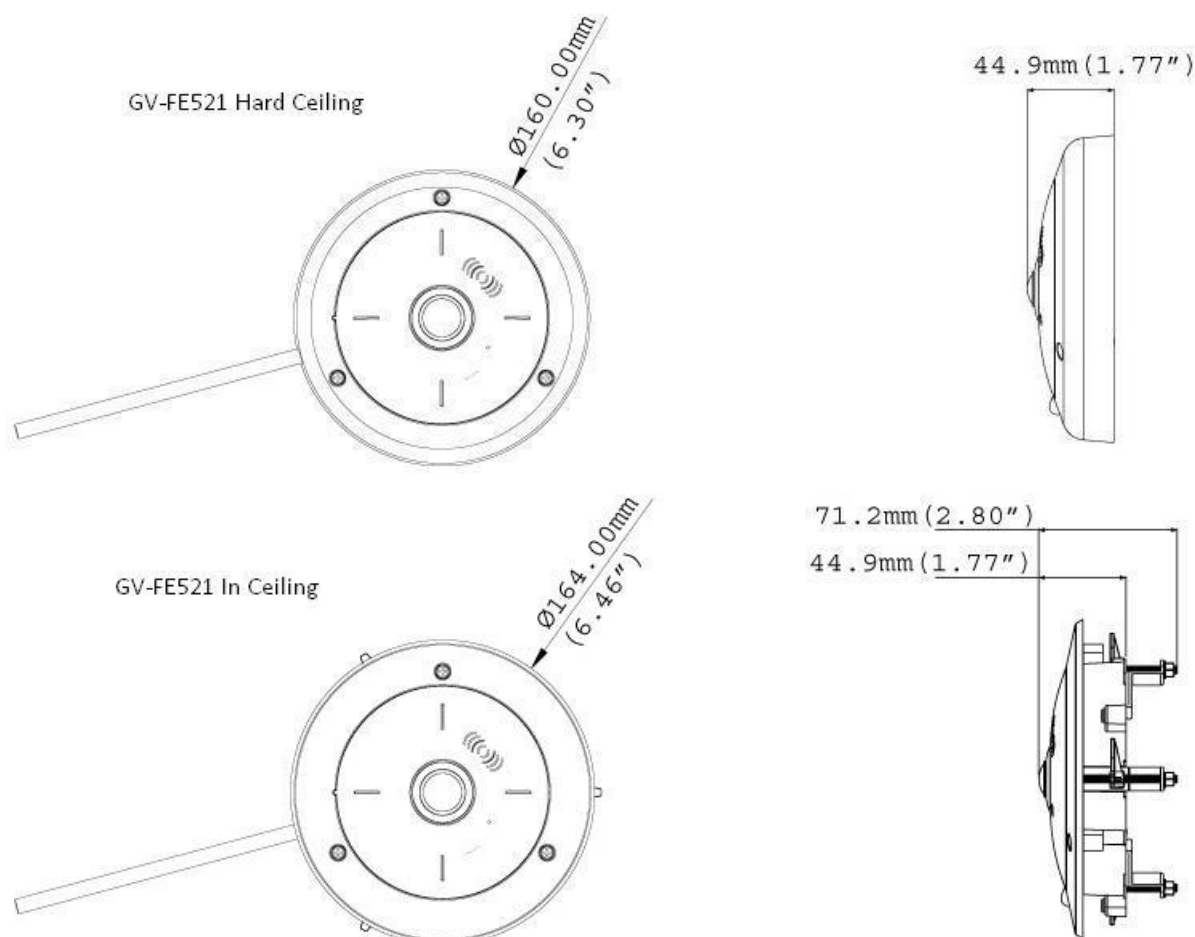
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Photos

Fisheye Source Image

Single View

2 x 180° View

360° View

Quad View

Dimensions

GV-FE521 Hard Ceiling

Ø160.00mm (6.30")

44.9mm (1.77")

GV-FE521 In Ceiling

Ø164.00mm (6.46")

71.2mm (2.80")

44.9mm (1.77")

Specifications

System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008
	64-bit	Windows 7 / Server 2008
GV-System Version		GV-System V8.5.0.0 or later
Browser		Internet Explorer 7.x or later
Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		2560 (H) x 1920 (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)
Optics Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed Iris
Focal Length		1.6 mm
Aperture		F/2
Mount		M12, Pitch 0.5 mm
Image Format		4.7 mm (Image Circle)
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed

Operation	
Video Compression	H.264, MJPEG
Video Streaming	Single stream from H.264 or MJPEG
Frame Rate	10 fps at 2560 x 1920 *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) * **SDXC** and **UHS-I** 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 (IEEE 802.3af)
Max. Power Consumption			5 W
Dimensions	Camera Body	Hard-Ceiling Mount	ø 160 x 44.9 mm (6.30" x 1.77")
		In-Ceiling Mount	ø 164 x 44.9 mm (6.46" x 1.77")
	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	PoE (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 Ddewarping, 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

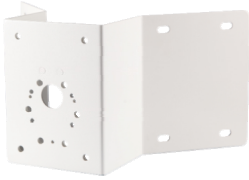| Applications	
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Live Viewing	IE , mobile phone
CMS Server Support	GV-Control Center, GV-Center V2, GV-VSM

Note:

1. Specifications are subject to change without notice.
2. 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	**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)

Model No.	Name		Details
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.
Power Adapter			Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
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.