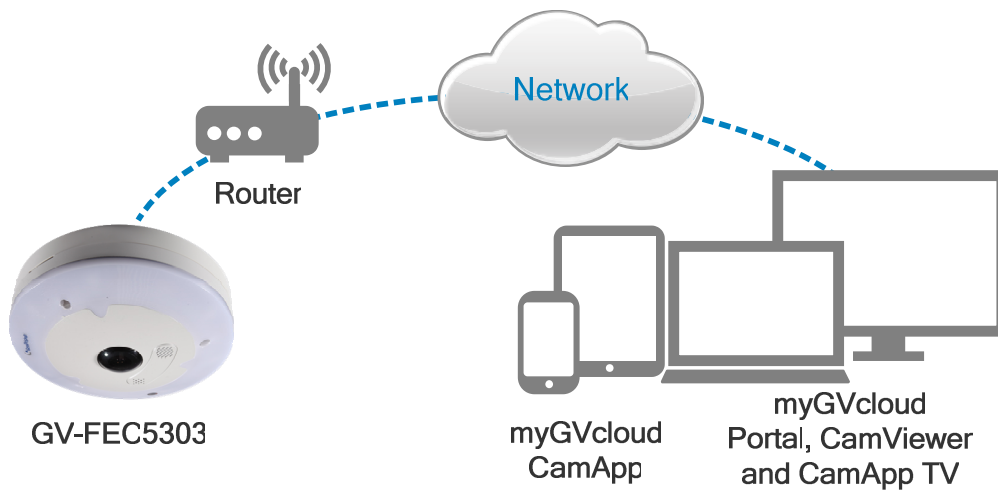# GV-FEC5303

Key Features

- 1/2.5'' progressive scan CMOS
- Up to 15 fps at 2048 x 1944, 5 fps at 2560 x 1920
- Cloud storage
- YouTube live streaming
- Day and night (with removable IR-cut filter)
- Vandal resistance (IK10+ for metal casing)
- PoE+ (IEEE 802.3at)
- Built-in micro SD card slot (SD/SDHC) for local storage
- IR LED ring for night vision up to 10 m (32.81 ft)
- Built-in microphone and speaker
- Two-way audio
- Digital Object Tracking
- Provides 360° and 180° panorama view
- No mechanical moving parts
- Tampering alarm
- Virtual PTZ function
- Auto Pan function
- Wide Dynamic Range (WDR)
- Dual streams from H.264
- Defog
- Recording upon motion detection

Introduction

GV-FEC5303 is an indoor fisheye camera that allows you to monitor all angles of a location. It can be installed to the ceiling and the wall. The camera is equipped with an IR LED ring that provides infrared illumination under low-light situations. The camera's distorted hemispherical image can be converted into a conventional rectilinear projection. When motion is detected, the camera saves the surveillance videos in the micro SD card, which can be stored in GeoVision's cloud storage.

There are three ways to remotely access GV-Cloud Cameras from your PC and mobile devices. You can watch live view and play back recordings of multiple GV-Cloud Cameras.
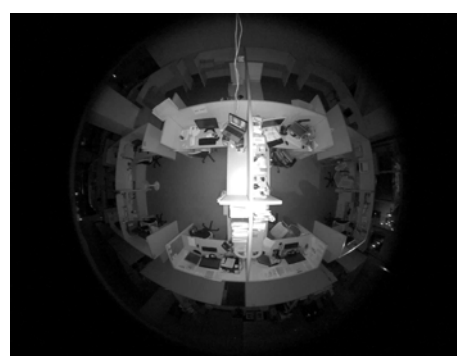
- **myGVcloud Portal:** Log in www.mygvcloud.com using Web browsers on PC
- **myGVcloud CamAPP:** Install myGVcloud CamAPP on Android or iOS mobile devices
- **myGVcloud Camapp Android TV:** Install myGVcloud CamAPP Android TV on Android TV devices.

The following is a comparison of live view from a third-party fisheye camera and a GV-FEC5303 with IR LED ring.
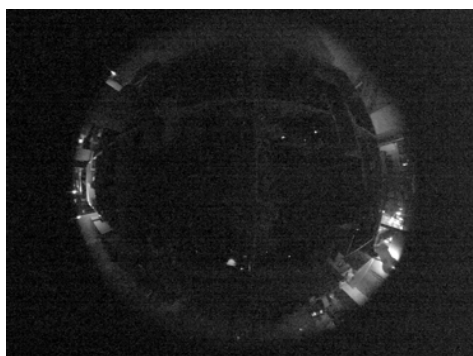
Third-Party Fisheye Camera   **GV-FEC5303 with IR LED Ring**
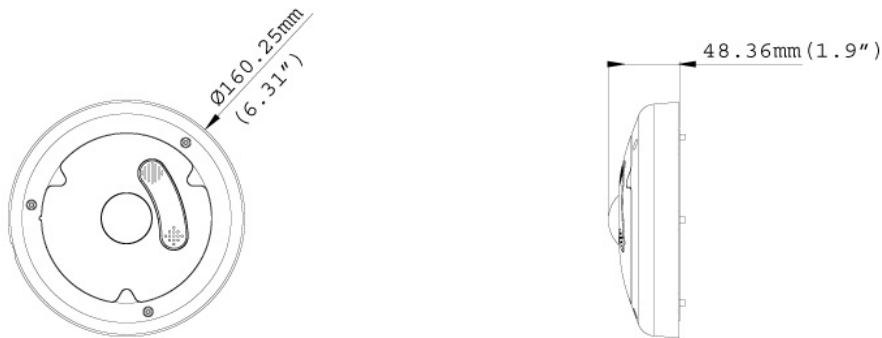
Photos

Fisheye Source Image

Single View

2 x 180° View

360° View

Quad View

Dimensions

- Camera Cover for Hard Ceiling Mount

- IR LED Ring with PoE Converter
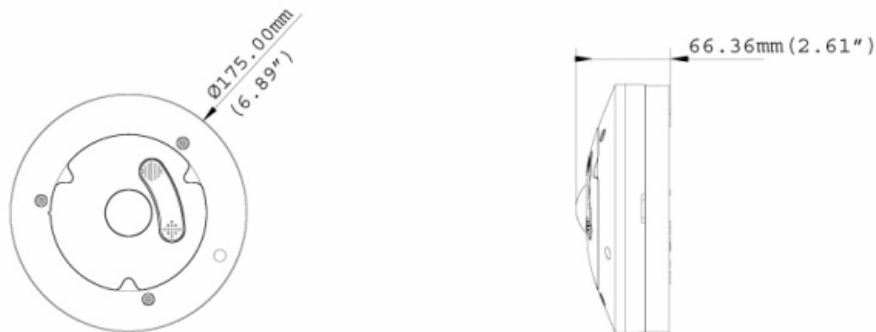
Specifications

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
	IR On	0 Lux
Shutter Speed		Automatic, Manual (1/5, 1/15, 1/30, 1/60 sec)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		45 dB
WDR		Yes
Optics Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.32 mm
Maximum Aperture		F/2.0
Mount		M12, Pitch 0.5 mm
Image Format		2.5"
Horizontal FOV		180°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
IR LED Quantity		6 IR LEDs
Max. IR Distance		10 m (32.81 ft)

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Operation		
Video Compression		H.264
Video Streaming		Dual streams from H.264
Frame Rate		5 fps at 2560 x 1920, 15 fps at 2048 x 1944 * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).
Image Setting	myGVcloud Portal	Sharpness, D/N Sensitivity, White Balance, Flicker-less, Image Orientation, Shutter Speed, Image Setting Wide Dynamic Range (WDR), Defog
	Camera Web Interface	D/N Sensitivity, Backlight Compensation
Audio Compression		AAC (16 kHz / 16 bit)
Audio Support		Two-Way Audio
Video Resolution		
Main Stream		2560 x 1920, 2048 x 1944
Sub Stream		640 x 480, 640 x 608, 320 x 240, 320 x 304
Network		
Interface		10/100 Ethernet
Protocol		HTTP, HTTPS, TCP, UDP, DHCP, NTP, UPnP * The signal range and data throughput may vary depending on the network conditions and environmental factors.
Mechanical		
Temperature Detector		Yes
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), 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.
General		
Operating Temperature		0°C ~ 50°C (32°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		PoE+ (IEEE 802.3at Power over Ethernet / PD)
Max. Power Consumption		30 W
Dimension	Hard-Ceiling Mount (with IR LED Ring and PoE Converter)	Ø 175 x 66.36 mm (6.89" x 2.61")
Weight		1.045 kg (2.3 lb)
Vandal Resistance		IK10+ for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant
Power over Ethernet		
PoE Standard		PoE+ (IEEE 802.3at Power over Ethernet / PD)
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 600mA. Max. 30 watts
Applications		
Installation		myGVcloud CamWizard
Access from Web Browser using myGVcloud Portal		Camera live view, video recording, change video resolution, image snapshot, motion detection, Picture -in-Picture, Picture-and-Picture, Cloud Service, Youtube live streaming
Live Viewing		Web browser (myGVcloud Portal), PC (myGVcloud CamViewer), Mobile app (myGVcloud CamAPP), Smart TV (myGVcloud CamApp Android TV)
Storage Management		Cloud storage through myGVcloud Portal
Firmware Upgrade		Through myGVcloud Portal or camera Web interface
Mobile Phone Support		myGVcloud CamAPP for iOS and Android devices

Smart TV Support	myGVcloud CamApp Android TV
Language	Bulgarian / Czech / English / German / Hungarian / Japanese / Russian / Traditional Chinese

Note:

1. Specifications are subject to change without notice.
2. Do not use clothes or any ordinary material to clean the camera cover since it may result in scratches on the cover.
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 installation site and how they are used. Back up your data regularly and replace the memory card annually.
   - 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.
   - Use Micro SD card of MLC NAND flash, Class 10 for better performance.

Packing List

1. GV-FEC5303
2. Camera Cover (In-Ceiling Mount)
3. Screw (In-Ceiling Mount) x 3
4. Support Bracket x 3
5. Camera Cover (Hard Ceiling Mount)
6. Screw (Hard Ceiling Mount) x 3
7. Torx Wrench
8. Plastic Screw Anchor x 3
9. IR LED Ring
10. PoE Converter set (Module, DC Power Y-Cable, RJ-45 Cable, PoE Screw x 3)
11. Installation Sticker
12. 8 GB micro SD card (MLC, SDHC, Class 10)
13. Ethernet Cable
14. myGVcloud Quick Start Guide

Note: The micro SD card is provided as a complimentary item without warranty.