GV-FD2500   2MP H.264 Super Low Lux WDR IR Fixed IP Dome

- 1/2.8" progressive scan Super Low Lux CMOS
- Min. illumination at 0.02 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- 3-axis mechanism (pan / tilt / rotate)
- Varifocal megapixel lens
- P-Iris for auto iris adjustment
- Intelligent IR
- IR distance up to 30 m (98.4 ft)
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in micro SD card slot (SD/SDHC) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- DC 12V / AC 24V / PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Removable IR-cut filter for Day/Night function
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option – NAS

* No Memory card slot & local storage function for Argentina.

Active Tampering Alarm

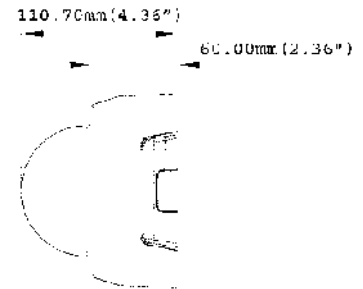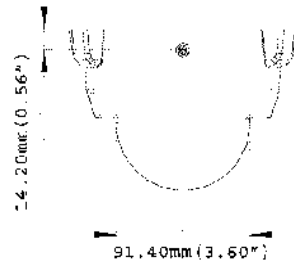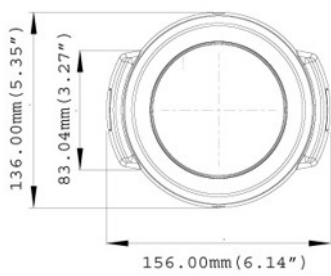| Tampered	Focus Change	Camera Shift

Introduction

The GV-FD2500 is an indoor camera designed with 3-axis mechanism for easy and flexible installation. The camera is capable of providing a color live view in near darkness using its super low lux CMOS image sensor.
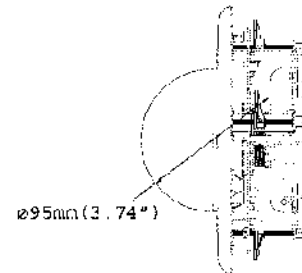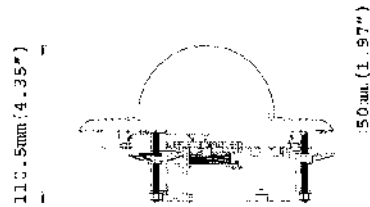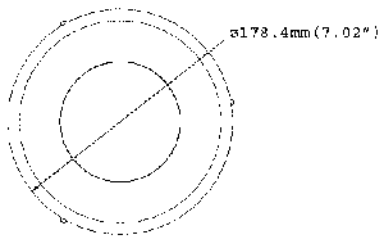
Overview

Dimensions

Hard-Ceiling Mount

In-Ceiling Mount

Specifications

Camera		
Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.02 Lux
	B/W	
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		52 dB
WDR		Yes

Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		3 ~ 9 mm
Maximum Aperture		F/1.2

Lens		
Mount		Ø 14 mm
Image Format		1/2.7"
Horizontal FOV		103°~36°
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	P-Iris
Max. Torque (Focus/ Zoom Screws)		0.049 N.m
IR LED Quantity		10 IR LEDs
Max. IR Distance		30 m (98.4 ft)

Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 and MJPEG
Frame Rate		30 fps at 1920 x 1080 (60/50 Hz) * 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, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR, Defog, Super Low Lux, Denoise, Metering
Audio Compression		G.711, AAC (optional)
Audio Support		Two-Way Audio
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Output (200mA 5V DC)

Video Resolution		
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252 (Default)
	5:4	640 x 512, 320 x 256

Network		
Interface		10/100M Ethernet
Ethernet Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA

Mechanical		
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	10° ~ 90°
	Rotate	0° ~ 340°
Temperature Detector		Yes

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Mechanical			
Connectors	Power		2-pin terminal block, PoE
	Ethernet		Ethernet (10/100 Base-T), RJ-45 cable
	Audio		1 In microphone phone jack, 3.5 mm (0.14") 1 Out Stereo phone jack, 3.5 mm (0.14")
	Digital I/O		3-pin terminal block, pitch 2.5 mm (0.1")
	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		BNC connector (640 x 480 resolution)
LED Indicator			2 LEDs: Power, Status
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			12 W
Dimensions			ø 155 x 110 mm (6.1'' x 4.33")
Weight			580 g (1.28 lb)
Vandal Resistance			IK7
Regulatory			CE, FCC, RCM, RoHS compliant
Power over Ethernet			
PoE Standard			PoE (IEEE 802.3af Power over Ethernet / PD)
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, 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-VMS / DVR / NVR, GV-Backup Center, GV-Recording Server
Smart Device Access			GV-Eye for iOS and Android
Live Viewing			IE, mobile phone
CMS Server support			GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.

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.
- 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 installed site and how they are used. Back up your data regularly and replace the memory card annually.
- 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.

3. Specifications are subject to change without notice.

Packing List

1. Fixed IP Dome
2. Torx Wrench
3. Mounting Plate
4. Short Screw Anchor x 3
5. Ceiling Screw x 3
6. Plate Screw x 3
7. TV-out Wire
8. Sticker
9. Power Adapter
10. Download Guide
11. Warranty Card

Note: The power adapter can be excluded upon request.

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-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)

Model No.	Name		Details
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")		Dimensions 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")		Dimensions 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-Mount902	GV-FD Series Dome Housing		Dimensions: Ø 186 x 97.5 mm (Ø 7.3'' x 3.8") Weight: 600 g (1.32 lb)
GV-Mount909	Wall Mount Bracket		Dimensions: 170 x 150 x 110 mm (6.7'' x 5.9" x 4.3'') Weight: 610 g (1.34 lb)
GV-Mount913	Power Box Mount Bracket		Dimensions: Ø 146 x 7.5 mm (Ø 5.7'' x 0.3'') Weight: 180 g (0.4 lb)

Model No.	Name		Details
	Smoked Cover		Dimensions: ø 103.7 x 55 mm (4.08'' x 2.16") Weight: 30g (0.07 lb) Vandal Resistance: IK7
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.
GV-Relay V2	GV-Relay V2		The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.
Power Adapter	Contact our sales representatives for the countries and areas supported.		
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.		