

## GV-FD2400 2MP H.264 WDR Pro IR Fixed IP Dome



- 1/3.2" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- 3-axis mechanism (pan / tilt / roll)
- Varifocal megapixel lens
- Intelligent IR
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in Micro SD (SDHC / SDXC) card slot for local storage
- DC 12V / AC 24V / PoE
- Wide Dynamic Range Pro (WDR Pro)
- 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

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

### Active Tampering Alarm

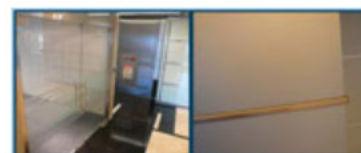
Tampered



Focus Change



Camera Shift



### Introduction

The GV-FD2400 is an indoor camera designed with 3-axis for easy and flexible installation. The Fixed IP Dome is equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. The camera can process scenes with contrasting intensity of lights and produce clear image using the built-in WDR Pro. With optional accessories, the camera can be installed on various types of locations including wall surface, wall corner, pole and ceiling.

### Overview

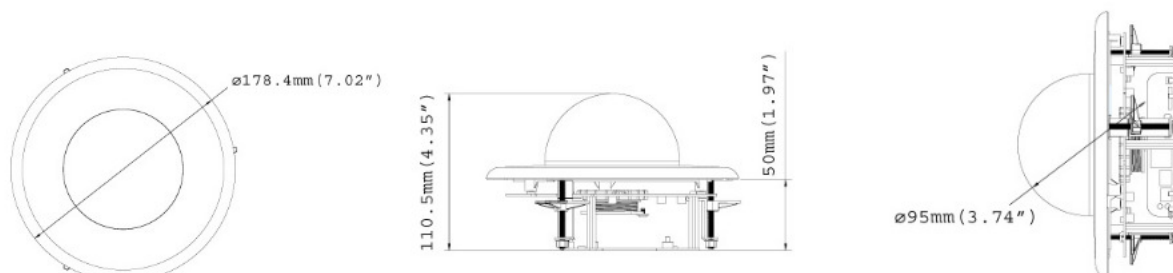


## Dimensions

### Hard-Ceiling Mount



### In-Ceiling Mount



## Specifications

Camera		
Image Sensor		1/3.2" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.05 Lux at F/1.2
	B/W	0 Lux
	IR ON	
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		47 dB
WDR Pro		Yes
BLC		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
Mount		Ø 14 mm
Image Format		1/2.7"
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	DC drive
Max. Torque (Focus/ Zoom Screws)		0.049 N.m
IR LED Quantity		10 IR LEDs
Max. IR Distance		15 m (50 ft.)
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 and MJPEG
Frame Rate		30 fps at 1920 x 1080
* The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).		

Operation		
Audio Compression		G.711
Two-way Audio		Yes
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Output (200mA 5V DC)

Video Resolution		
Main Stream	4:3	1600 x 1200, 1280 x 960
	16:9	1920 x 1080, 1280 x 720
	5:4	1280 x 1024
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256

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

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

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 memory card slot (SDHC / SDXC for Class 6 card or above)
	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
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, C-Tick, RoHS compliant

Power over Ethernet		
PoE Standard		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-NVR, GV-System, GV-Backup Center, GV-Recording Server
Smart Device Access		GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad
Live Viewing		IE, mobile phone

**Note:**

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. 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)
GV-Mount400	Pole Mount Bracket Kit ( $\varnothing$ 4" ~ 6")		Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 Kg ( 3.75 lb) Steel Strap Diameter: $\varnothing$ 4" ~ 6"

Model No.	Name		Details
GV-Mount410	Pole Mount Bracket Kit ( $\varnothing$ 6" ~ 7.5")		<p>Dimensions</p> <p>Bracket: 241 x 161 mm (9.5" x 6.3")</p> <p>Weight: 1.70 Kg (3.75 lb)</p> <p>Steel Strap Diameter: <math>\varnothing</math> 6" ~ 7.5"</p>
GV-Mount702	Extension Tube		<p>Four options are available.</p> <p>Dimensions:</p> <p><math>\varnothing</math> 5.4 x 10 or 20 or 30 or 50 cm</p> <p>(<math>\varnothing</math> 2.1" x 3.9" or 7.9" or 11.8" or 19.7")</p> <p>Weight:</p> <p>180 g or 390 g or 550 g or 800 g</p> <p>(0.4 lb or 0.86 lb or 1.21lb or 1.76 lb)</p>
GV-Mount900	Wall Mount Bracket		<p>Dimensions: 154 x 108 x 50 mm</p> <p>(6.1" x 4.3" x 2")</p>
GV-Mount902	GV-FD Series Dome Housing		<p>Dimensions: <math>\varnothing</math> 186 x 97.5 mm</p> <p>(<math>\varnothing</math> 7.3" x 3.8")</p> <p>Weight: 600 g (1.32 lb)</p>
41-81053-HK2	Smoked Cover		<p>Dimensions:</p> <p><math>\varnothing</math> 103.7 x 55 mm (4.08" x 2.16")</p> <p>Weight: 30g (0.07 lb)</p> <p>Vandal Resistance: IK7</p>
GV-PA191	Power over Ethernet (PoE) Adapter		<p>The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p>
GV-Relay V2	GV-Relay V2		<p>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.</p>
Power Adapter	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.		