

## GV-FD3410 3MP H.264 3x zoom WDR Pro IR Fixed IP Dome



- 1/3.2" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536
- 3-axis mechanism (pan / tilt / roll)
- Motorized varifocal lens for remote focus/zoom adjustment
- 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-FD3410 is an indoor camera designed with 3-axis mechanism for easy and flexible installation. The Fixed IP Dome contains an automatic IR-cut filter and IR LEDs for night surveillance. The camera allows the user to remotely adjust the zoom and focus through the Web interface with its motorized varifocal lens. Equipped with WDR Pro, the camera can process scenes with contrasting intensity of lights and produce clear image. The camera can be installed on various types of locations including wall surface, wall corner, pole and ceiling using optional accessories.

### Overview

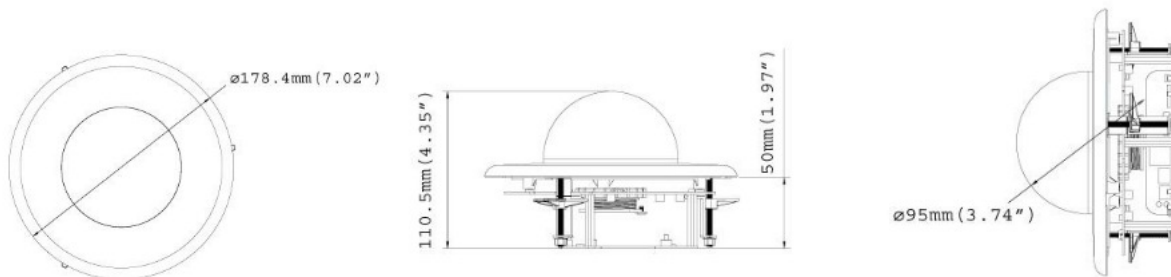


## Dimensions

### Hard-Ceiling Mount



### In-Ceiling Mount



## Specifications

Camera		
Image Sensor	1/3.2" progressive scan CMOS	
Picture Elements	2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.08 Lux
	B/W	0.05 Lux
	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	47 dB	
WDR Pro	Yes	
BLC	Yes	
Lens		
Megapixel	Yes	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Motorized varifocal lens	
Focal Length	3 ~ 9 mm	
Maximum Aperture	F/1.2	
Mount	$\varnothing 14\text{mm}$	
Image Format	1/2.7"	
Operation	Focus	Auto Focus
	Zoom	3X Optical Zoom
	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	20 fps at 2048 x 1536 * 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
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### 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	2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080, 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
	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
	GV-App for Android smartphones, tablet, iPhone, and iPad Touch

Live Viewing	IE, mobile phone
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

**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.

**Packing List**

- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. Fixed IP Dome          | 7. TV-out Wire                      |
| 2. Torx Wrench x 1        | 8. Sticker                          |
| 3. Mounting Plate x 1     | 9. GV-IPCAM H.264 Quick Start Guide |
| 4. Short Screw Anchor x 3 | 10. GV-IPCAM H.264 Software CD      |
| 5. Ceiling Screw x 3      | 11. GV-NVR Quick Start Guide        |
| 6. Plate Screw x 3        | 12. GV-NVR Software DVD             |

**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)

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 ( $\varnothing$ 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"
GV-Mount410	Pole Mount Bracket Kit ( $\varnothing$ 6" ~ 7.5")		Dimensions Bracket: 241 x 161 mm (9.5" x 6.3")  Weight: 1.70 Kg (3.75 lb)  Steel Strap Diameter: $\varnothing$ 6" ~ 7.5"
GV-Mount702	Extension Tube		Four options are available.  Dimensions: $\varnothing$ 5.4 x 10 or 20 or 30 or 50 cm ( $\varnothing$ 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-Mount900	Wall Mount Bracket		Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2")
GV-Mount902	GV-FD Series Dome Housing		Dimensions: $\varnothing$ 186 x 97.5 mm ( $\varnothing$ 7.3" x 3.8")  Weight: 600 g (1.32 lb)
41-81053-HK2	Smoked Cover		Dimensions: $\varnothing$ 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.

Model No.	Name	Details
GV-Relay V2	GV-Relay V2	<div data-bbox="873 226 1068 352" data-label="Image"> </div> <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.	
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.	