

## GV-VD3440 3MP H.264 3x zoom WDR Pro IR Vandal Proof IP Dome



- 1/3.2" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536
- Vandal resistance (IK10+)
- Ingress protection (IP67)
- Motorized varifocal lens for remote focus/zoom adjustment
- 3-axis mechanism (pan / tilt / roll)
- Removable IR-cut filter for Day/Night function
- High power IR LEDs
- Intelligent IR
- IR distance up to 20 m (65.6 ft.)
- External microphone
- 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)
- DC12V / AC24V / PoE+ (IEEE 802.3at)
- Wide Dynamic Range Pro (WDR Pro)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- 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



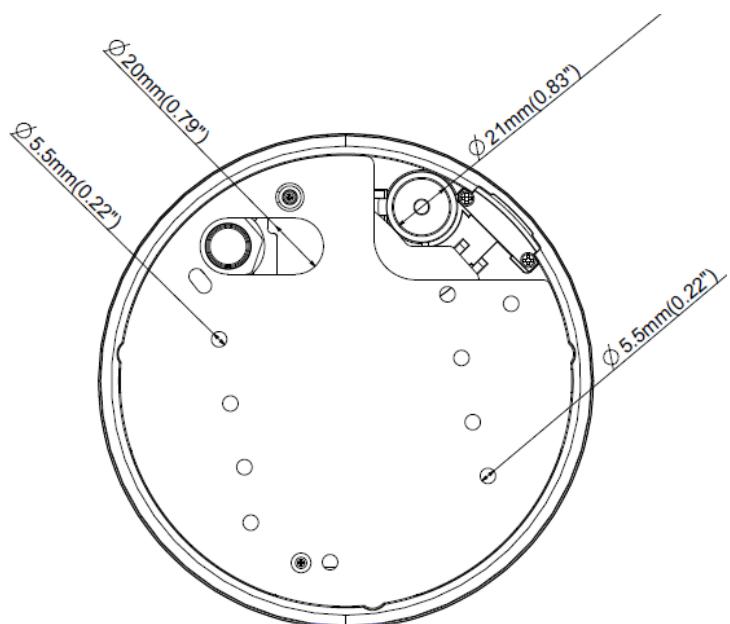
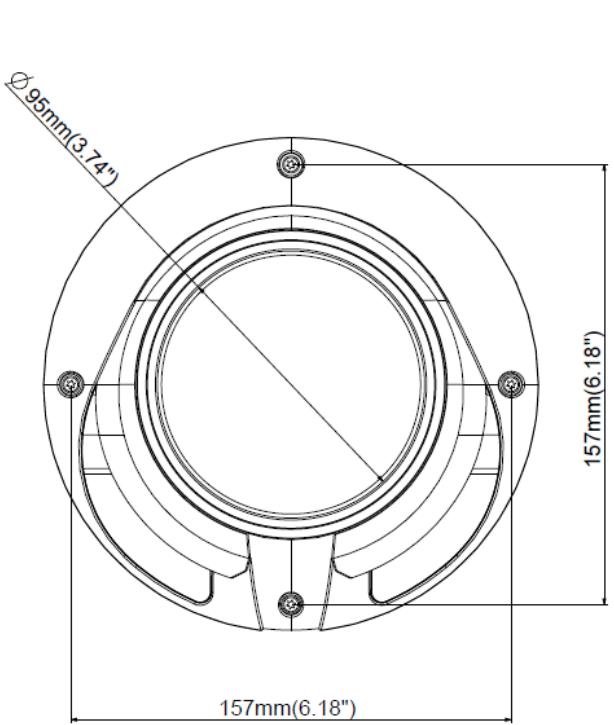
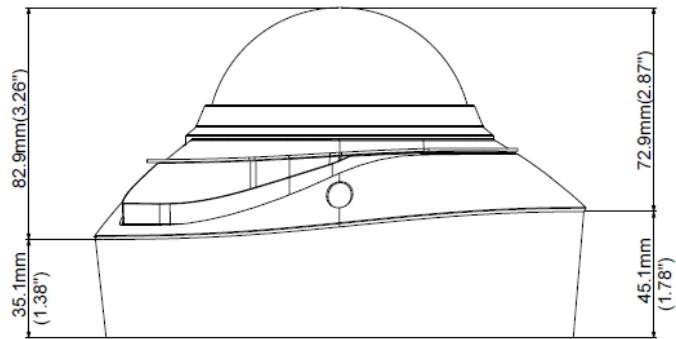
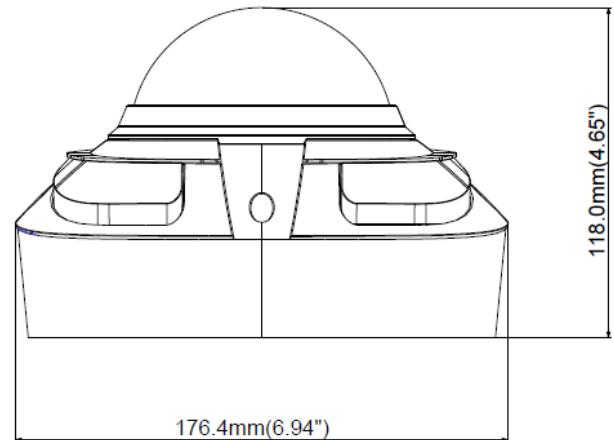
### Introduction

GV-VD3440 is an outdoor camera designed with IK10+ vandal resistance and IP67 ingress protection. With its motorized varifocal lens, the user can zoom and focus the camera from the Web interface. The camera is equipped with a WDR Pro with which the camera can process scenes containing contrasting intensity of lights and produce clear images. This night vision is enhanced with its high power LEDs with up to 20 m (65.6 ft.) effective distance.

## Overview



## Dimensions



## 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 (with WDR sensor)
Dynamic Range	Up to 100 dB

### 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	Ø 14 mm
Image Format	1/2.7"
Horizontal FOV	86°~31°
Operation	Focus Auto focus
	Zoom 3X optical zoom
	Iris DC drive
High Power IR LED Quantity	6 IR LEDs
Max. IR Distance	20 m (65.6 ft.)

### Operation

Video Compression	H.264, MJPEG
Video Stream	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, Backlight Compensation, D/N Sensitivity, Shutter Speed, WDR, Defog, Zoom, Focus Change, Denoise, Metering
Audio Compression	G.711, AAC (optional)
Audio Support	Two-way audio
Sensor Input	1 Input (dry contact)
Alarm Output	1 Output (200 mA 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	10/100M Ethernet
Ethernet Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA

### Mechanical

Temperature Detector	Yes
Camera Angle Adjustment	Pan -90° ~ 90°
	Tilt 0° ~ 85°
	Rotate 0° ~ 350°

Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (3.5mm phone jack for microphone) 1 Out (3.5mm phone jack for speaker)
	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) * <b>SDXC</b> and <b>UHS-I</b> card types are not supported.
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator	2 LEDs: Power, Status	
<b>General</b>		
Environment Temperature	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
	Operation	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC / PoE+ (IEEE 802.3at)	
Max. Power Consumption	22.48 W	
Dimensions	Camera Body	Ø 176.5 x 118 mm (6.9" x 4.6")
Weight	1.83 kg (4.03 lb)	
Ingress Protection	<b>IP67</b>	
Vandal Resistance	<b>IK10+</b>	
Regulatory	CE, FCC, RCM, RoHS compliant	
<b>Power over Ethernet</b>		
PoE Standard	PoE+ (IEEE 802.3at Power over Ethernet / PD)	
PoE Power Supply Type	End-Span	
PoE Power Output	Per Port 48V DC, 600 mA, Max. 30 watts	
<b>Web Interface</b>		
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	
<b>Applications</b>		
Network Storage	GV-System (GV-DVR/NVR), GV-Backup Center, GV-Recording Server, GV-VMS	
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. Specifications are subject to change without notice.
3. 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.

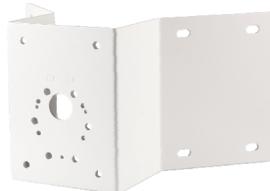
## Packing List

1. Vandal Proof IP Dome
2. Torx Wrench
3. 3-Pin Terminal Block
4. Audio Wires
5. Power Adapter
6. TV Out Wire
7. RJ-45 Connector x 2
8. Back Plate t
9. Installation Sticker
10. Screw Anchor x 4
11. Long Screw x 4
12. Flat Screw
13. Short Screw x 2
14. Silica Gel Bag
15. Sticker (for Silica Gel Bag)
16. Ruler
17. Conduit Converter
18. PG21 Conduit Connector
19. GV-IPCAM H.264 Software DVD
20. GV-NVR Software DVD
21. GV-Vandal Proof IP Dome Hardware Installation Guide
22. Warranty Card

**Note:** The power adapter can be excluded upon request.

## Accessories

Model No.	Name	Details
GV-Mount100	Straight Tube and Junction Box Kit	 <p>Dimensions: 200 x 170 x 257.5 mm (7.9" x 6.7" x 10.1") Weight: 3.17 kg (6.99 lb)</p>
GV-Mount101	Straight Tube Kit	 <p>Dimensions: 219 x 125 x 332 mm (8.6" x 4.9" x 13.1") Weight: 1.8 kg (3.97 lb)</p>
GV-Mount200	Wall Pendant Tube	 <p>Dimensions: 225 x 140 x 250 mm (8.9" x 5.5" x 9.8") Weight: 900 g (1.98 lb)</p>
GV-Mount203	Wall Pendant Tube and Junction Box Kit	 <p>Dimensions: 315 x 195.5 x 225 mm (12.4" x 7.7" x 8.9") Weight: 2.95 kg (6.5 lb)</p>
GV-Mount206	Wall Mount Bracket Kit	 <p>Dimensions: 126.5 x 211.3 x 176.85 mm / 5 x 8.3 x 6.96 in (L x W x diameter) Weight: 0.93 kg / 2.06 lb</p>

Model No.	Name	Details
GV-Mount300	Convex Corner Adapter Kit	 <p>Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)</p>
GV-Mount310	Concave Corner Adapter Kit	 <p>Dimensions: 123.3 x 393.1 mm (4.9" x 15.5") Weight: 2.96 kg (6.53 lb)</p>
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")	 <p>Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"</p>
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")	 <p>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"</p>
GV-Mount702	Extension Tube	 <p>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 1.21 lb or 1.76 lb)</p>
GV-Mount900	Wall Mount Bracket	 <p>Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2") Weight: 240 g (0.53 lb)</p>
GV-Mount903	GV-VD Series Dome Housing	 <p>Dimensions: Ø 186 x 97.5 mm (Ø 7.3" x 3.8") Weight: 600 g (1.32 lb)</p>
GV-Mount909	Wall Mount Bracket	 <p>Dimensions: 170 x 150 x 110 mm (6.7" x 5.9" x 4.3") Weight: 610 g (1.34 lb)</p>

Model No.	Name	Details
GV-Mount914	In-Ceiling Mount	 <p>Dimensions: Ø 222 x 86 mm (8.74 x 3.39") Weight: 705 g (1.55 lb)</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	Contact your sales representative for the countries and areas supported. *This item does not include a power cord.	
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.	
Metal PG21 Conduit Connector		 <p>The metal PG21 conduit connector allows you to run the wires through a 3/4" conduit pipe.</p>
Weatherproof Shield		 <p>The weatherproof shield protects the camera from rain and snow.</p>