

## GV-VD2530 2MP H.264 Super Low Lux WDR IR Vandal Proof 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
- Vandal resistance (IK10+)
- Ingress protection (IP67)
- Varifocal megapixel lens
- 3-axis mechanism (pan / tilt / roll)
- Removable IR-cut filter for Day/Night function
- High power IR LEDs
- Intelligent IR
- IR distance up to 25 m (82 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
- DC12V / AC24V / PoE (IEEE 802.3at)
- Wide Dynamic Range (WDR)
- 3D 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

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

### Active Tampering Alarm

Tampered



Focus Change



Camera Shift



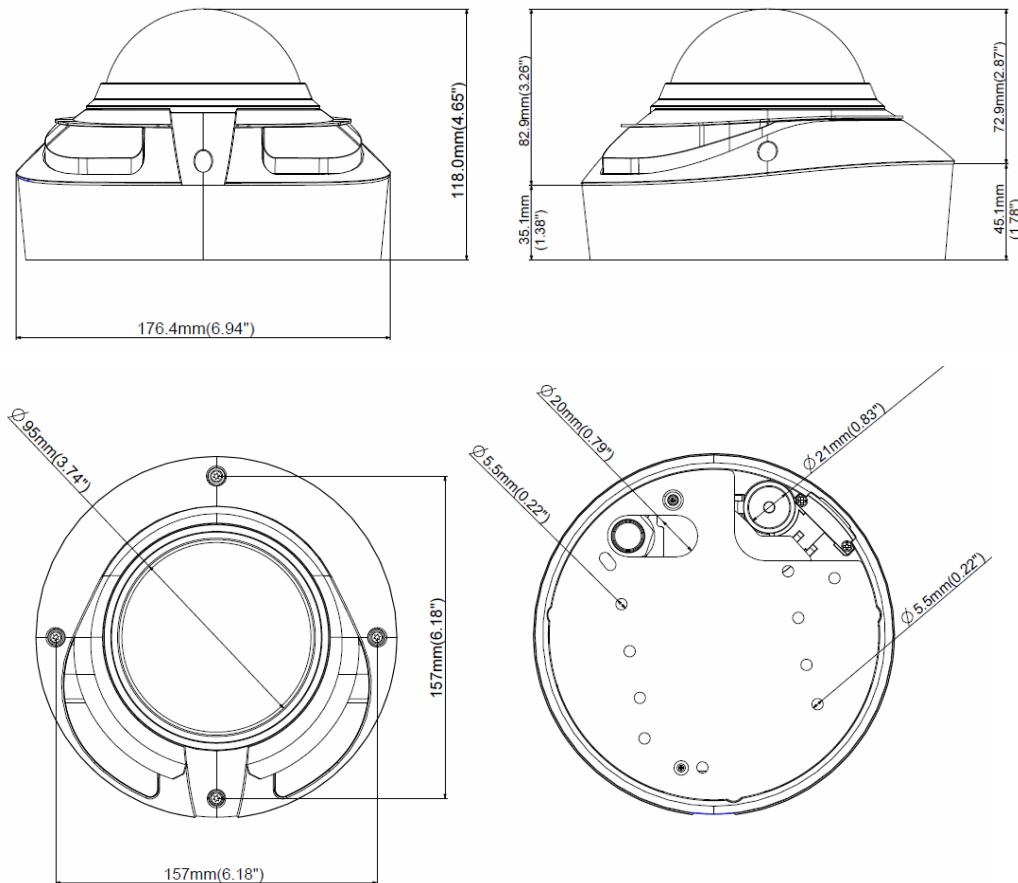
### Introduction

GV-VD2530 is an outdoor camera designed with IK10+ vandal resistance and IP67 ingress protection. The camera is equipped with a super low lux CMOS image sensor with which the camera is capable of providing a color live view in near darkness. The camera's night vision is further enhanced with its high power LEDs with up to 25 m (82 ft.) effective distance.

## Overview



## Dimensions



## 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
Mount		Ø 14 mm
Image Format		1/2.7"
Horizontal FOV		103°~36°
Operation	Focus	Manual (w / lock)
	Zoom	Manual (w / lock)
	Iris	DC drive
Max. Torque (Focus/ Zoom Screws)		0.049 N.m
High Power IR LED Quantity		6 IR LEDs
Max. IR Distance		25 m (82 ft.)
Operation		
Video Compression		H.264, MJPEG
Video Stream		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).
Image Setting		Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Backlight Compensation, D/N Sensitivity, Shutter Speed, 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	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

Connectors	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	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Temperature	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / 24V AC / PoE (IEEE 802.3at)
Max. Power Consumption		15.4 W
Dimensions	Camera Body	Ø 176.5 x 118 mm (6.9" x 4.6")
Weight		1.76 kg (3.88 lb)
Ingress Protection		IP67
Vandal Resistance		IK10+
Regulatory		CE, FCC, RCM, RoHS compliant
<b>Power over Ethernet</b>		
PoE Standard		IEEE 802.3at Power over Ethernet / PD
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 600mA. 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-NVR, GV-System, 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-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.

3. Mind the following when using a memory card for recording:

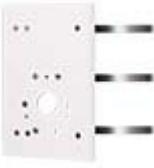
- Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
- To avoid power outage, it is highly 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
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. Focus Adjustment Cap
18. Conduit Converter
19. PG21 Conduit Connector
20. GV-IPCAM H.264 Software CD
21. GV-IPCAM H.264 Quick Start Guide
22. GV-NVR Software DVD
23. GV-NVR Quick Start Guide

## 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-Mount205	Wall Mount Bracket Kit	 <p>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</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: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 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 1.21lb 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-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	<p>Power adapters are available in 6 regions: Argentina, Australia, Brazil, Europe, U.K and U.S.</p> <p>*This item does not include a power cord.</p>	
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		The metal PG21 conduit connector allows you to run the wires through a 3/4" conduit pipe.