

GV-EVD3100 3MP H.264 Super Low Lux WDR Pro IR Vandal Proof IP Dome



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 2048 x 1536
- Vandal resistance ([IK10](#) for metal casing)
- Ingress protection ([IP67](#))
- Megapixel varifocal lens
- P-iris lens for auto iris control
- Intelligent IR
- IR distance up to 50 m (164 ft)
- Day and Night function (with removable IR-cut filter)
- 3-axis mechanism (pan / tilt / rotate)
- DC 12V / PoE (IEEE 802.3af)
- Two-way audio
- Wide Dynamic Range Pro (WDR Pro)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- Recording assigned by GV-Edge Recording Manager ([Windows](#) & [Mac](#))
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option - [NAS](#)

Introduction

The Target Vandal Proof IP Dome is an outdoor camera designed with [IK10](#) vandal resistance and [IP67](#) ingress protection. The camera is equipped with a WDR Pro, an automatic IR-cut filter and IR LEDs for day and night surveillance. With the super low lux CMOS image sensor, the camera is capable of providing a color live view in near darkness. Adjustable in 3 axis (pan, tilt and rotate), it offers an entry-level surveillance solution with all the essential features and excellent image quality.

Active Tampering Alarm

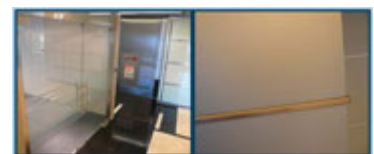
Tampered



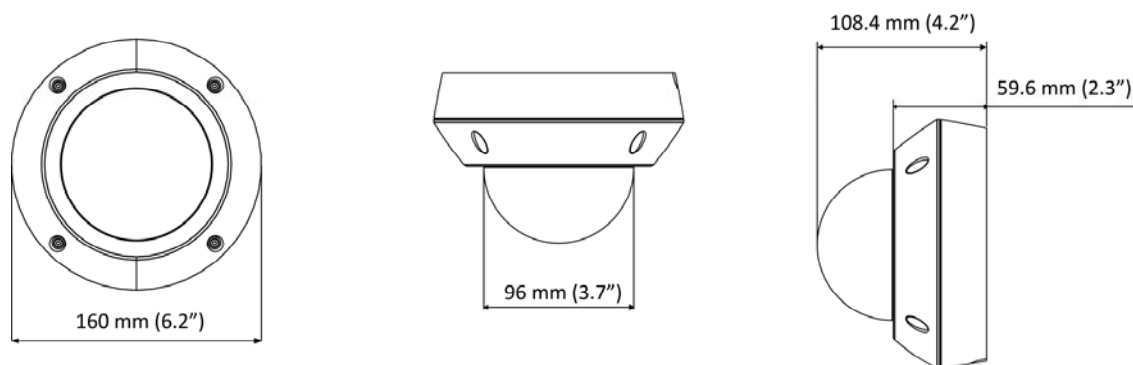
Focus Change



Camera Shift



Dimensions



Specifications

PC Requirements

CPU	Intel Core i5-4670 3.40 GHz
Memory	DDR3 4 GB RAM
On-board Graphics	Intel HD Graphics 4600 (Versions of driver from year 2014 or later required)

Camera

Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux
	B/W	0.01 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		54 dB
WDR Pro		Yes
Dynamic Range		Up to 100 dB

Lens

Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Focal Length		3 ~ 9 mm
Lens Type		Varifocal
Maximum Aperture		F/1.7
Mount		Ø14 mm
Horizontal FOV		96° ~ 36°
Image Format		1/2.8"
Operation	Focus	Manual (with lock)
	Zoom	Manual (with lock)
	Iris	P-iris
Max. Torque (Focus / Zoom Screws)		0.049 N.m
IR LED Quantity		20 IR LEDs
Max. IR Distance		50 m (164.04 ft)

Operation

Video Compression	H.264, MJPEG
Video Streaming	Dual streams from H.264 and MJPEG
Frame Rate	30 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, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog, Low Lux Enhancement

Audio Compression		G.711, AAC (Optional)
Audio Support		Two-way Audio
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	960 x 720, 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		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	0° ~ 350°
	Tilt	0° ~ 75°
	Rotate	0° ~ 340°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (microphone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")
	TV-Out	BNC connector (D1 resolution)
LED Indicator		2 LEDs: Power, Status
General		
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		6.1 W
Dimension		ø160 x 108.4 mm (6.2 x 4.27")
Weight		1.15 kg (2.54 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
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, 350 mA. 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, Audio, Picture in Picture, Picture and Picture, Privacy Mask, 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-System (GV-DVR/NVR), GV-Recording Server, GV-VMS
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		IE, Mobile App
CMS Server support		GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note: Specifications are subject to change without prior notice.

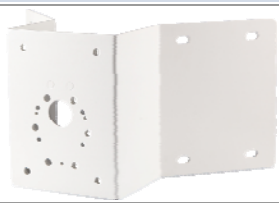
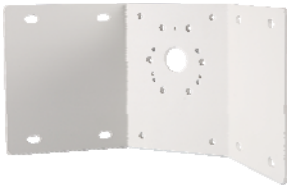
Packing List

- | | |
|---|----------------------------------|
| 1. Target Vandal Proof Dome | 10. Torx Wrench |
| 2. Screw x 4 | 11. Big Concave hexagon Wrench |
| 3. Screw Anchor x 4 | 12. Small Concave hexagon Wrench |
| 4. TV-Out Wire | 13. Silica Gel Bag |
| 5. Audio Wires x 2 | 14. Sticker (for Silica Gel Bag) |
| 6. Installation Sticker | 15. Ruler |
| 7. Conduit Converter | 16. GV-IPCAM H.264 Software DVD |
| 8. RJ-45 Connector | 17. GV-NVR Software DVD |
| 9. Waterproof rubber sets
(for RJ-45 Cat.5 and 12V DC / for RJ-45 Cat.6) | 18. Warranty Card |

Note: Power adapters can be purchased 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-Mount206	Wall Mount Bracket Kit		Dimensions: 126.5 x 211.3 x 176.85 mm (5 x 8.3 x 6.96") Weight: 0.93 kg (2.06 lb)

Model No.	Name		Details
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: 123.3 x 393.1 mm (4.9 x 15.5") Weight: 2.96 kg (6.53 lb)
GV-Mount400	Pole Mount Bracket Kit (Ø 4 ~ 6")		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")		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-Mount900	Wall Mount Bracket		Dimensions: 154 x 108 x 50 mm (6.1 x 4.3 x 2") Weight: 240 g (0.53 lb)
GV-Mount903	GV-VD Series Dome Housing		Dimensions: Ø 186 x 97.5 mm (Ø 7.3 x 3.8") Weight: 600 g (1.32 lb)
GV-Mount916	In-Ceiling Mount		Dimensions: Ø 205 x 63.8 mm (Ø 8 x 2.5") Weight: 645 g

Model No.	Name	Details
GV-PA191 PoE Adapter		Dimensions (H x W x D): 43 x 69 x 40 mm (1.69 x 2.72 x 1.57") Weight: 130 g (0.29 lb)
Plastic PG21 Conduit Connector		The plastic PG21 conduit connector is used for running the wires of the camera through a 1/2" conduit pipe.
Metal PG21 Conduit Connector		The metal PG21 conduit connector allows you to run the wires through a 3/4" conduit pipe.
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.	
Power Adapter	Contact your sales representative for the countries and areas supported.	