

## GV-VD120D /121D / 122D / 123D 1.3MP H.264 Low Lux IR Vandal Proof IP Dome



- 1/3" progressive scan Low Lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Vandal resistance IK10+ (for GV-VD120D and GV-VD121D only)
- Vandal resistance IK7 (for GV-VD122D and GV-VD123D only)
- Ingress protection (IP66)
- Varifocal megapixel lens
- 3-axis mechanism (pan / tilt / roll)
- Removable IR-cut filter for Day/Night function
- External microphone
- Intelligent IR
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Memory card slot
- DC12V / AC24V / PoE
- Wide Dynamic Range (WDR)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF conformant

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

### Models

Model	Housing Cover Cover Color	Vandal Resistance
GV-VD120D	Transparent cover	IK10+
GV-VD121D	Smoked cover	IK10+
GV-VD122D	Transparent cover	IK7
GV-VD123D	Smoked cover	IK7

### Active Tampering Alarm

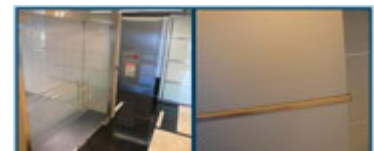
Tampered



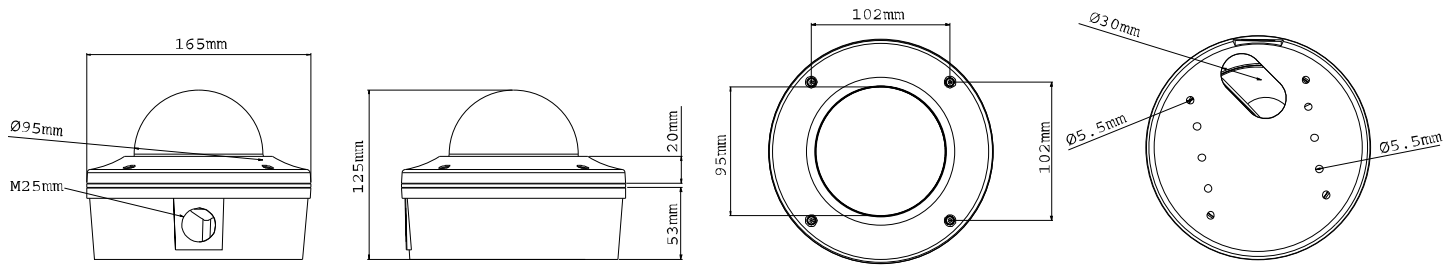
Focus Change



Camera Shift



## Dimensions



## Specifications

Camera		
Image Sensor		1/3" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)
Minimum Illumination	Color	0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)
	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		50 dB
BLC		Yes
Lens		
Megapixel		Yes
Day / Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		3 ~ 9 mm
Maximum Aperture		F/1.3
Mount		$\varnothing 14\text{ mm}$
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
IR Distance		15 m / 50 ft (Max.)
Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 and MJPEG
Frame Rate		30 fps at 1280 x 1024 * 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
Audio Compression		G.711, AAC (16 kHz / 16 bit) * AAC is only supported by GV-System V8.5 or later
Two-way Audio		Yes
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Output (200mA 5V DC)
Video Resolution		
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240
	16:9	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	
Mechanical		
Temperature Detector	Yes	
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	10° ~ 90°
	Rotate	0° ~ 340°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	RJ-45
	Audio	1 In (RCA female for microphone) 1 Out (RCA female for speaker)
	Digital I/O	I/O Wire
	Auto Iris	DC drive
	Local Storage	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)
TV-Out	BNC connector (640 x 480 resolution)	
LED Indicator	2 LEDs: Power, Status	
General		
Environment Temperature	-20 °C ~ 50 °C / -4 °F ~ 122 °F	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC / PoE	
Max. Power Consumption	12 W	
Dimensions	Camera Body	ø 165 x 125 mm / 6.49 x 4.92 in
	Cable Length	1 m / 3.28 ft
	Cable Diameter	ø 16.7 mm / 0.66 in
	Maximum Connector Diameter	ø16.7 mm / 0.66 in
Weight	1.7 kg / 3.75 lb	
Ingress Protection	IP66	
Vandal Resistance	GV-120D / GV-121D	IK10+
	GV-122D / GV-123D	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	
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	
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.

**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 in Weight: 3.17 Kg / 6.99 lbs
GV-Mount101	Straight Tube Kit		Dimensions: 219 x 125 x 332 mm / 8.6 x 4.9 x 13.1 in Weight: 1.8 Kg / 3.97 lbs
GV-Mount200	Wall Pendant Tube		Dimensions: 225 x 140 x 250 mm / 8.9 x 5.5 x 9.8 in 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 in Weight: 2.95 Kg / 6.5 lbs
GV-Mount300	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm / 9.4 x 16.1 in Weight: 4.27 Kg / 9.41 lbs
GV-Mount310	Concave Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm / 9.4 x 16.1 in Weight: 4.27 Kg / 9.41 lbs
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")		Dimensions Bracket: 241 x 161 mm / 9.5 x 6.3 in Weight: 1.70 Kg / 3.75 lbs Steel Strap Diameter: Ø 4" ~ 6"

Model No.	Name		Details
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")		<p>Dimensions</p> <p>Bracket: 241 x 161 mm / 9.5 x 6.3 in</p> <p>Weight: 1.70 Kg / 3.75 lbs</p> <p>Steel Strap Diameter: Ø 6" ~ 7.5"</p>
GV-Mount702	Extension Tube		<p>Four options are available.</p> <p>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 in</p> <p>Weight: 180 g or 390 g or 550 g or 800 g / 0.4 lbs or 0.86 lbs or 1.21lbs or 1.76 lbs</p>
GV-Mount900	Wall Mount Bracket		<p>Dimensions: 154 x 108 x 50 mm / 6.1 x 4.3 x 2 in</p>
GV-Mount901	GV-VD Series Dome Housing		<p>Dimensions: Ø 186 x 97.5 mm / Ø 7.3 x 3.8 in</p> <p>Weight: 600 g / 1.32 lb</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.		