

GV-VD220D/ 221D/ 222D/ 223D 2M H.264 IR Vandal Proof IP Dome



- 1/2.5" progressive scan CMOS
- Dual video streams from two of H.264, MPEG4 and MJPEG
- Up to 30 fps at 1920 x 1080
- IK10+ (for GV-VD220D and GV-VD221D only)
- IP66 compliant
- 3-axis mechanism (pan / tilt / roll)
- External microphone
- Built-in IR LED
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- 3GPP / ISMA
- DC 12V / AC 24V / PoE
- Day / Night function
- Varifocal megapixel lens
- 16 languages on Web interface

Models

Model	Housing Cover Cover Color	Vandal Resistance
GV-VD220D	Transparent cover	IK10+
GV-VD221D	Smoked cover	IK10+
GV-VD222D	Transparent cover	IK7
GV-VD223D	Smoked cover	IK7

Active Tampering Alarm

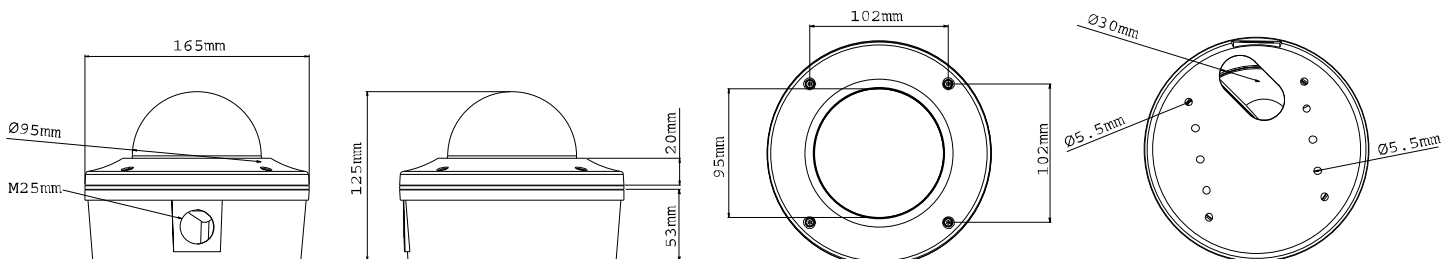
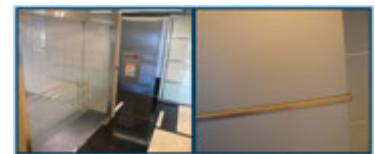
Tampered



Focus Change



Camera Shift



SPECIFICATIONS

Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)
	B/W	0 Lux
	IR ON	
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)
White Balance		Automatic, Manual (2800K ~ 8500K)
Lens		
Megapixel		Yes
Day / Night support		Yes
Max Aperture		F/1.3 ± 5%
Focal Length		2.7 ~ 9 mm
Field of view	Diagonal	101° (W) ~ 32° (T) ± 5°
	Horizontal	88° (W) ~ 27.9° (T) ± 5°
	Vertical	49.7° (W) ~ 15.7° (T) ± 5°
Operation	Focus	Manual (w / lock)
	Zoom	Manual (w / lock)
	Iris	DC
IR LED Quantity		15 IR LEDs
IR Distance		15 m / 50 ft (Max.)
Operation		
Video Codec		H.264, MPEG4, MJPEG
Video Streaming		Dual Streams from two of H.264, MPEG4 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
Audio Codec		G.711, AAC (16kHz / 16 bit) * AAC is only supported by GV-System V8.5 or later.
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Digital Output
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		10/100 Ethernet
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS(DSCP)
Mechanical		
Lens Mounting		∅ 14 mm
Rotation Axis		3-axis (pan / tilt / roll)
Connectors	Power	3-pin terminal block
	Ethernet	RJ-45
	Audio	1 In (RCA female for microphone) 1 Out (RCA female for speaker)
	Digital I/O	I/O Wires
	Auto Iris	DC drive
	Local Storage	Micro SD/SDHC memory card slot
	TV-Out	Yes

General		
Operating Temperature	-20 °C ~ 50 °C / -4 °F ~ 122 °F	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC / PoE	
Power Consumption	12 W (max. 1A at 12V DC)	
Regulatory	CE, FCC, C-Tick, RoHS compliant	
Dimensions (L X W X H)	ø 165 x 125 mm / 6.49 x 4.92 in	
Weight	1.7 kg / 3.75 lb	
Protection Classification	IP66	
Vandal Resistance	GV-VD220D / GV-VD221D	IK10+
	GV-VD222D / GV-VD223D	IK7
Power over Ethernet		
PoE Standard	IEEE 802.3af Power over Ethernet / PSE	
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, Wide Angle Lens Dewarping	
Language	Czech / Danish / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese	
Applications		
Network Storage	GV-NVR, GV-System	
3G Mobile Phone	Built-in player for 3GPP / ISMA	
Live Viewing	IE , Mobile Phone	
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM, GV-Backup Center, GV-Video Gateway, GV-Recording Server	

Note: Specifications are subject to change without notice.