

## GV-BL220D 2MP H.264 IR Bullet IP Camera



- 2 megapixel progressive scan CMOS
- Stream 1 from H.264 and MJPEG;  
Stream 2 from H.264, MPEG4 and MJPEG
- Up to 30 fps at 1920 x 1080
- Intelligent IR
- IP66 rating
- Cable-concealed bracket preventing cable from being cut
- One alarm input and sensor output
- Micro SD/SDHC Card Slot
- 2-way audio
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / AC 24V / PoE
- Removable IR-cut filter for Day/Night function
- Supports iPhone, iPad, Android & 3GPP
- 28 languages on Web interface

\* No SD/SDHC card slot & local storage function for Argentina.

The Bullet Camera features a weather sealed and IP66 rating housing for outdoor use. The camera also features 16 IR LEDs for infrared illumination in night vision applications. Additionally, the Bullet Camera supports both DC 12V and AC 24V power supply.

### Active Tampering Alarm

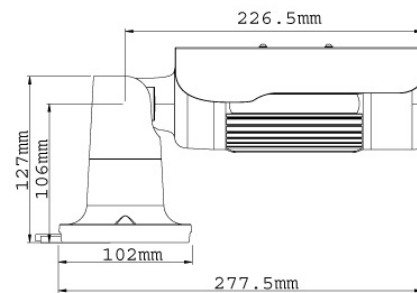
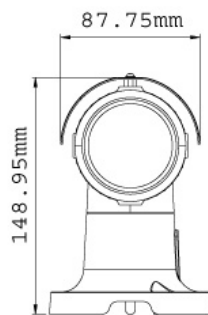
Tampered



Focus Change



Camera Shift



Lens	
Megapixel	Yes
Day/Night	Yes (with removable IR-cut filter)
Lens Type	Varifocal
Focal Length	3.6 ~ 9 mm
Maximum Aperture	F / 1.3
Mount	Ø 14 mm
Image Format	1/3"

Angle of View	Diagonal	76° (W) ~ 32° (T)
	Horizontal	66° (W) ~ 27.9° (T)
	Vertical	37.3° (W) ~ 15.7° (T)
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	DC Drive
IR LED Quantity	16 IR LEDs	
IR Distance	15 m / 50 ft (Max.)	
<b>Operation</b>		
Video Compression	H.264, MPEG4, MJPEG	
Video Stream	Stream 1 from H.264 and MJPEG Stream 2 from 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, Shutter Speed, D/N Sensitivity	
Audio Compression	G.711, AAC (16 kHz / 16 bit) * AAC is only supported by GV-System V8.5 or later	
Sensor Input	1 Input (Dry Contact)	
Alarm Output	1 Digital Output (200mA 5V DC)	
<b>Video Resolution</b>		
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
<b>Network</b>		
Interface	10/100 Ethernet	
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP)	
<b>Mechanical</b>		
Lens Mounting	ø 14 mm	
Temperature Detector	Yes	
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	90° ~ 180°
	Rotate	0° ~ 360°
Connectors	Power	3-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 Wires
	Auto Iris	DC Drive
	Local Storage	Micro SD/SDHC memory card slot (for Class 6 card or above)
TV-Out	None	
<b>General</b>		
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	277.5 x 87.75 x 148.95 mm / 10.9 x 3.45 x 5.86 in
	Cable Length	1 m / 3.28 ft
	Maximum Cable Diameter	ø 7.1 mm / 0.28 in
	Maximum Connector Diameter	ø 25.2 mm / 0.99 in
Weight	1.35 kg / 2.98 lb	
Protection Classification	IP66	
Regulatory	CE, FCC, C-Tick, RoHS compliant	
<b>Power over Ethernet</b>		
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	
<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, Wide Angle Lens Dewarping, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Text Overlay	
Language	Czech / Danish / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese * Bulgarian, Dutch, Greek, Indonesian, Lithuanian, Norwegian, Persian, Romanian, Slovakian, Slovenian, Thai and Turkish are only supported in V1.07 or later.	
<b>Applications</b>		
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server	
Mobile Phone support	GV-AView for Android Smartphone, GV-Eye HD for iPad, GV-Eye for iPhone and iPod Touch, GV-GView for Windows PDA, GV-MSView for Windows Smartphone, GV-SSView for Symbian Smartphone, 3G-enabled phone.	
Live Viewing	IE , GV-MultiView	
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM	

**Note:** Specifications are subject to change without notice.