

## GV-BL220D 2M H.264 IR Bullet IP CAM



- 2 megapixel progressive scan CMOS
- Dual video streams from two of H.264, MJPEG and MPEG4
- Up to 30 fps at 1920 x 1080
- IP66 compliant
- 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
- 3GPP / ISMA
- DC 12V / AC 24V / PoE
- Day / Night function
- 16 languages on Web interface

The Bullet Camera features a weather sealed and IP66 compliant 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



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 IR ON	0 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec)	
White Balance	Automatic, Manual	
Lens		
Megapixel	Yes	
Day / Night support	Yes	
Max. Aperture	F / 1.3 ± 5%	
Lens Focal	f = 3.6 ~ 9 mm	
Field of view	Diagonal	76° (W) ~ 32° (T) ± 5°
	Horizontal	66° (W) ~ 27.9° (T) ± 5°
	Vertical	37.3° (W) ~ 15.7° (T) ± 5°
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	DC
IR LED Quantity	16 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, Saturation, Shutter Speed, D/N Sensitivity	
Audio Codec	G.711, AAC (16kHz / 16 bit) * AAC is only supported by GV-System V8.5 or later.	
Sensor Input	Dry Contact	
Alarm Output	Digital Output	
<b>Video Resolution</b>		
Main Streaming	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 Streaming	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	
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	
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	None
<b>General</b>		
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)	277.5 x 148.95 x 87.75 mm / 10.9 x 5.86 x 3.45 in	
Weight	1.35 kg / 2.98 lb	
Protection Classification	IP66	
<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, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Wide Angle Lens Dewarping	
Languages	Czech / Danish / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese	
<b>Applications</b>		
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.