

GV-BL1300 1.3MP H.264 IR Bullet IP Camera



- 1.3 megapixel progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Intelligent IR
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Cable-concealed bracket preventing cable from being cut
- One alarm input and sensor output
- Memory Card Slot
- 2-way audio
- Wide Dynamic Range (WDR)
- Defog
- 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
- 31 languages on Web interface
- ONVIF conformant

Introduction

The Bullet Camera features a weather sealed and IP67 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



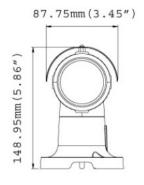
Focus Change

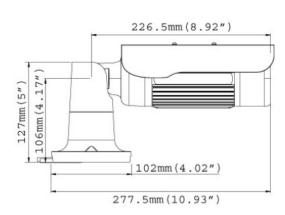


Camera Shift



Dimensions





^{*} No Memory Card Slot & local storage function for Argentina.



Specifications

17.5° progresive scan CMOS ** Picture Elements	Camera		
	Image Sensor		1/2.5" progressive scan CMOS "
Color			
Minimum Illumination ByW Ill ON		Color	
Shutter Speed			
Shutter Speed			O Lux at F/1.2
White Balance Automatic, Manual (2800K ~ 8500K) Gain Control Automatic JAW Ratio 45 d8 BIC Yes Weappixel Wes Day/Night Yes (with removable IR-cut filter) Lens Type Varifocal Meanum Aperture If 1/12 Mount Ø 14 mm Image Format 1/2.7° Gperation 20 Mmanual (w/lock) Operation 20 Mmanual (w/lock) Operation 20 D D Prive Max. I Torque (Focus/Zoom Screws) 0.049 N.m IR LED Quantity 15 IR LEDs Max. I Right States 15 IR LEDs Operation Video Compression H. 264, MIPEG Video Stream Dual streams from H.264 and MIPEG Video Stream Deptiment reate and the perfor	Shutter Speed	IN ON	Automatic Manual (1/5 ~ 1/8000 sec.)
Gain Control			
S/N Ratio 45 dB BLC			
BLC			
Megapise	· ·		
Yes Yes			res
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Doy/Night			
Maximum Aperture			
Maximum Aperture			
Mount			
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Focus			F =
Departion Zoom Manual (w/lock) Iris DC Drive DC Drive DC Drive DC Drive DC Drive			
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Max. Torque (Focus/ Zoom Screws) 0.049 N.m REED Quantity 16 IR LEDs Max. IR Distance 15 m (50 ft.) Operation Video Compression H.264, MJPEG Video Stream Dual streams from H.264 and MJPEG 30 fps at 1280 x 1024 (SXGA) *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, Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog Audio Compression G.711 Two-way Audio Yes Sensor Input 1 Input (Dry Contact) Alarm Output 1 Input (Dry Contact) Alarm Output 1 Input (Dry Contact) Alarm Output 1 Sensor Input A : 3 1280 x 960, 640 x 480, 320 x 240 Wideo Resolution 4 : 3 640 x 480, 320 x 240 4 : 3 640 x 480, 320 x 240 4 : 3 640 x 480, 320 x 240 Sub Stream 16 : 9 640 x 360, 448 x 252 5 : 4 640 x 360, 448 x 252 5 : 4 640 x 512, 320 x 256 Network Interface 10/100 Ethernet 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 Rotate 0° ~ 360° Camera Angle Filt 90° ~ 180° Camera Angle Filt 90° ~ 180° Camera Angle Power 2-pin terminal block, PoE Ethernet RI-45 Connectors Audio 1 In (RCA female for microphone) 1 Out (RCA female for microphone) 1 Out (RCA female for speaker) Opigital I/O I/O Wires	Operation		
RLED Quantity	NA		
Max. IR Distance 15 m (50 ft.) Operation Video Compression H.264, MJPEG Video Stream Dual streams from H.264 and MJPEG Frame Rate * 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, Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog Audio Compression G.711 Two-way Audio Yes Sensor Input 1 Input (Dry Contact) Alarm Output 1 Digital Output (200mA 5V DC) Video Resolution 4 : 3 1280 x 960, 640 x 480, 320 x 240 Main Stream 46 : 9 1280 x 720, 640 x 360, 448 x 252 5 : 4 1280 x 1024, 640 x 512, 320 x 256 Network 16 : 9 640 x 360, 448 x 252 5 : 4 640 x 512, 320 x 256 Network Interface 10/100 Ethernet Protocol HTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPNP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF Mechanical Pan 0 ° ~ 360° Camera Angle Adjustment		us/ Zoom Screws)	
Operation Video Compression H.264, MJPEG Video Stream Dual streams from H.264 and MJPEG 30 fps at 1280 x 1024 (SXGA) * 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, Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog Audio Compression G.711 Two-way Audio Yes Sensor Input 1 Input (Dry Contact) Alarm Output 1 Digital Output (200mA SV DC) Videa Resolution Main Stream 16:9 1280 x 960, 640 x 480, 320 x 240 Main Stream 16:9 1280 x 1024, 640 x 512, 320 x 256 Sub Stream 16:9 640 x 380, 2448 x 252 5:4 1280 x 1024, 640 x 512, 320 x 256 Network Interface Interface 10/100 Ethernet Protocol HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF Mechanical Temperature Detector Yes Camer			
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Frame Rate *** *** *** *** *** *** *** *** *** *	·		·
Frame Rate * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog Audio Compression G.711 Two-way Audio Yes Sensor Input 1 Input (Dry Contact) Alarm Output 1 Digital Output (200mA 5V DC) Video Resolution 4 : 3 1280 x 960, 640 x 480, 320 x 240 Main Stream 16 : 9 1280 x 720, 640 x 360, 448 x 252 5 : 4 1280 x 1024, 640 x 512, 320 x 256 4 : 3 640 x 480, 320 x 240 Sub Stream 16 : 9 640 x 360, 448 x 252 5 : 4 640 x 512, 320 x 256 Network Interface 10/100 Ethernet Protocol Mechanical Temperature Detector Yes Pan 0° ~ 360° Tilt 99° ~ 180° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet RI-45 Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Video Stream		
Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog	Frame Rate		* The frame rate and the performance may vary depending on the number of connections and data
Two-way Audio Yes Sensor Input 1 Input (Dry Contact) Alarm Output 1 Digital Output (200mA 5V DC) Video Resolution Main Stream 4 : 3 1280 x 960, 640 x 480, 320 x 240 Main Stream 16 : 9 1280 x 720, 640 x 350, 448 x 252 5 : 4 1280 x 1024, 640 x 512, 320 x 256 Sub Stream 16 : 9 640 x 360, 448 x 252 5 : 4 640 x 512, 320 x 256 Network Interface 10/100 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° ~ 360° Camera Angle Adjustment 7 lilt 90° ~ 180° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet Ethernet RJ-45 Lout (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Image Setting		
Two-way Audio Yes Sensor Input 1 Input (Dry Contact) Alarm Output 1 Digital Output (200mA 5V DC) Video Resolution Main Stream 4 : 3 1280 x 960, 640 x 480, 320 x 240 Main Stream 16 : 9 1280 x 720, 640 x 350, 448 x 252 5 : 4 1280 x 1024, 640 x 512, 320 x 256 Sub Stream 16 : 9 640 x 360, 448 x 252 5 : 4 640 x 512, 320 x 256 Network Interface 10/100 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° ~ 360° Camera Angle Adjustment 7 lilt 90° ~ 180° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet Ethernet RJ-45 Lout (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Audio Compressio	n	G.711
Alarm Output	Two-way Audio		Yes
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 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 Adjustment Pan 0° ~ 360° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet RJ-45 Connectors Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Sensor Input		1 Input (Dry Contact)
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 Sub Stream 16 : 9 640 x 360, 448 x 252 5 : 4 640 x 512, 320 x 256 Network Interface 10/100 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° ~ 360° Adjustment Power 2-pin terminal block, PoE Ethernet RJ-45 Connectors Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Alarm Output		1 Digital Output (200mA 5V DC)
Main Stream 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 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° ~ 360° Tilt 90° ~ 180° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet RJ-45 Audio 1 ln (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Video Resolution		
S : 4		4:3	1280 x 960, 640 x 480, 320 x 240
Sub Stream	Main Stream	16:9	1280 x 720, 640 x 360, 448 x 252
16 : 9		5:4	1280 x 1024, 640 x 512, 320 x 256
S : 4 640 x 512, 320 x 256	Sub Stream	4:3	640 x 480, 320 x 240
Network Interface Protocol Protocol Mechanical Temperature Detector Camera Angle Adjustment Power Power Ethernet RJ-45 Audio Digital I/O I/O Wires INTER, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF Pan O° ~ 360° Tilt 90° ~ 180° 2-pin terminal block, PoE Ethernet RJ-45 Audio Digital I/O I/O Wires		16:9	640 x 360, 448 x 252
Interface 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 O° ~ 360° Tilt 90° ~ 180° Rotate O° ~ 360° Power 2-pin terminal block, PoE Ethernet RJ-45 Audio Digital I/O Digital I/O I/O Wires		5:4	640 x 512, 320 x 256
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° ~ 360° Tilt 90° ~ 180° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet RJ-45 Connectors Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	Network		
Camera Angle Adjustment Power 2-pin terminal block, PoE	Interface		10/100 Ethernet
Camera Angle Adjustment Power	Protocol		
Temperature Detector Yes Camera Angle Adjustment Pan $0^{\circ} \sim 360^{\circ}$ Tilt $90^{\circ} \sim 180^{\circ}$ Rotate $0^{\circ} \sim 360^{\circ}$ Power 2-pin terminal block, PoE Ethernet RJ-45 Audio $1 \ln (RCA \text{ female for microphone})$ $1 \text{ Out } (RCA \text{ female for speaker})$ Digital I/O I/O Wires			(DSCP), ONVIF
Camera Angle Adjustment Pan 0° ~ 360° Tilt 90° ~ 180° Rotate 0° ~ 360° Power 2-pin terminal block, PoE Ethernet RJ-45 Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) 1 Out (RCA female for speaker)			
Camera Angle AdjustmentRotate $0^{\circ} \sim 360^{\circ}$ Power2-pin terminal block, PoEEthernetRJ-45Audio $1 \ln (RCA female for microphone)$ $1 \text{ Out } (RCA female for speaker)$ Digital I/OI/O Wires	Temperature Detector		
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Rotate 0° ~ 360° 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 Wires		Tilt	90° ~ 180°
Connectors Ethernet RJ-45 Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires	, Jacon Cont	Rotate	0° ~ 360°
Connectors Audio 1 In (RCA female for microphone) 1 Out (RCA female for speaker) Digital I/O I/O Wires		Power	2-pin terminal block, PoE
Digital I/O I/O Wires		Ethernet	RJ-45
	Connectors	Audio	
		Digital I/O	I/O Wires
		Auto Iris	DC Drive



Mechanical		
Connectors	Local Storage	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)
	TV-Out	None
General		
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / 24V AC / PoE
Max. Power Consumption		6.72 W
Dimensions	Camera Body	277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")
	Cable Length	1 m (3.28 ft.)
	Maximum Cable Diameter	ø 7.1 mm (0.28")
	Maximum Connector Diameter	ø 25.2 mm (0.99")
Weight		1.35 kg (2.98 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, C-Tick, RoHS compliant
ower over Ethern	et	
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
Veb 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
Application		
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 supp	oort	GV-Control Center, GV-Center V2, GV-VSM
	1.	

Note: Specifications are subject to change without prior notice.

Accessories

Name Details



Weight: 130 g (0.29 lb)

Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")

GV-PA191 PoE Adapter



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.

GV-Relay V2

Power Adapter

Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.