

# GV-BL1500 1.3MP H.264 Super Low Lux WDR IR Bullet IP Camera



- 1.3 megapixel progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Intelligent IR
- IR distance up to 70 m (230 ft.)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Tolerant to extreme temperatures (-30°C ~ 50°C/-22°F ~ 122°F)
- Cable-concealed bracket preventing cable from being cut
- One alarm input and sensor output
- Built-in micro SD card slot (SD/SDHC) for local storage
- 2-way audio
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- 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 (Profile S) conformant

\* No Memory Card Slot & local storage function for Argentina.

#### Introduction

The Bullet Camera is specifically designed for outdoors. It adheres to the IP67 standard and has full protection against dust and jets of water. The camera is equipped with a super low lux image sensor, which allows the camera to provide a color live view in near darkness.

### **Active Tampering Alarm**

Tampered



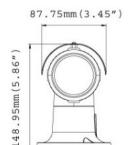
Focus Change

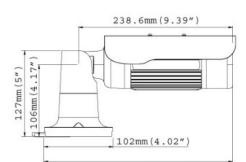


Camera Shift



#### **Dimensions**







# **Specifications**

Minimum Illumination   Color   Color	Camera				
Minimum Illumination   B/W	Image Sensor		1/3" progressive scan super low lux CMOS		
Minimum Illumination   B/W	Picture Elements		1280 (H) x 1024 (V)		
Shitter Speed					
Miles Balance		IR ON	0 Lux		
Solin Control   Solin Control   Solin Control   Solin Control Contro	Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)		
S/N Ratio	White Balance		Automatic, Manual (2800K ~ 8500K)		
Ves   Ves	Gain Control		Automatic		
Ves   Ves	S/N Ratio		55 dB		
Megapke			Yes		
Yes   Yes					
Focal Length   3 - 9 mm	Megapixel		Yes		
DayNight					
Maximum Aperture			Yes (with removable IR-cut filter)		
Maximum Aperture					
Mount					
Focus					
Pocus   Manual (w/lock)     Operation   Zoom   Manual (w/lock)     Iris   DC Drive     Max. Torque (Focus/ Zoom Screws)   0.049 N.m     IR LED Quantity   16 IR LED     Max. IR Distance   70 m (230 ft.)     Operation     Video Compression   H.264, MJPEG     Video Compression   H.264 and MJPEG     Sortin			F		
Departion   Zoom		Focus			
Iris   DC Drive	Operation				
Max. Torque   Focus/ Zoom Screws   0.049 N.m     IR LED Quantity					
RED Quantity	Max. Torque (Focus/ 7o				
Max. IR Distance         70 m (230 ft.)           Operation           Video Compression         H. 264, MJPEG           Video Stream         Dual streams from H.264 and MJPEG           30 fps at 1280 x 1024 (SXGA)           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, Super Low Lux           Audio Compression         G.711           Two-way Audio         Yes           Sensor Input         1 Input (Dry Contact)           Alarm Output         1 Digital Output (200mA SV DC)           Video Resolution           4 : 3         1280 x 950, 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           Network           Interface         10/100 Ethernet           Protocol         DHCP, DynDNS, FIP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPPP, 3GPP/ISMA           Mechanical           Till         90° ~ 180°           Till					
Operation           Video Compression         H.264, MJPEG           Video Stream         Dual streams from H.264 and MJPEG           30 fps at 1280 x 1024 (SWGA)         *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, Super Low Lux           Audio Compression         G.711           Two-way Audio         Yes           Sensor Input         1 Input (Dry Contact)           Alarm Output         1 Digital Output (200mA SV DC)           Video Resolution           Wideo Resolution           4 : 3         1280 x 920, 640 x 480, 320 x 240           Main Stream         4 : 3         1280 x 720, 640 x 360, 448 x 252           5 : 4         1280 x 720, 640 x 360, 448 x 252         5 : 4           5 : 4         1280 x 720, 640 x 360, 448 x 252         5 : 4           Sub Stream         16 : 9         640 x 360, 448 x 252           5 : 4         640 x 360, 448 x 252           5 : 4         640 x 360, 448 x 252           Termeratace         10HCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPP, 3GP					
Video Compression         H.264, MJPEG           Video Stream         Dual streams from H.264 and MJPEG           Frame Rate         30 fps at 1280 x 1024 (SWGA)           *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, Super Low Lux           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 950, 640 x 480, 320 x 240           Main Stream         16 : 9         1280 x 720, 640 x 360, 448 x 252           Sub Stream         16 : 9         640 x 360, 448 x 252           Sub Stream         16 : 9         640 x 360, 448 x 252           5 : 4         640 x 360, 448 x 252           5 : 4         640 x 360, 448 x 252           5 : 4         640 x 360, 448 x 252           5 : 4         640 x 360, 448 x 252           Network           Interface         10/100 Ethernet           Protocol         Driven Protocol         Protocol         Protocol         Protocol         Protocol<			70 III (£30 I.I.)		
Video Stream   Dual streams from H.264 and MJPEG   30 fps at 1280 x 1024 (SXGA)   4	•		H 264 MIDEG		
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, Super Low Lux  Audio Compression G.7.11  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  Network 16 : 9 640 x 360, 448 x 252  5 : 4 640 x 512, 320 x 256  Network 10 yeb, 360 yeb, 574, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPPP, 3GPP/ISMA  Mechanical Temperature Detector Yes  Camera Angle Adjustment Roate Or ~ 360°  Titl 90 ~ 180°  Ethernet Roate Or ~ 360°  Ethernet Roate Or ~ 360°  Ethernet Roate Or ~ 360°  Ethernet Ri-45  Louis (RCA female for microphone) 1 Out (RCA female for speaker)  Digital I/O I/O Wires					
Frame Rate  *The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).    Image Setting	video stream				
Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog, Super Low Lux	Frame Rate		*The frame rate and the performance may vary depending on the number of connections and data		
Two-way Audio   Yes					
Sensor Input			G.711		
Alarm Output	Two-way Audio		Yes		
Video Resolution           Main Stream         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           Sub Stream         16 : 9         640 x 360, 448 x 252           5 : 4         640 x 512, 320 x 256           Network           Interface         10/100 Ethernet           Protocol         DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA           Mechanical           Temperature Detector         Yes           Camera Angle Adjustment         Pan         0° ~ 360°           Tilt         90° ~ 180°           Adjustment         Tilt         90° ~ 180°           Connectors         Ethernet         RJ-45           Connectors         Audio         1 In (RCA female for speaker)           Digital I/O         I/O Wires	Sensor Input		1 Input (Dry Contact)		
Main Stream	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       16:9       640 x 360, 448 x 252         5:4       640 x 512, 320 x 256         Network         Interface       10/100 Ethernet         Protocol       DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA         Mechanical         Temperature Detector       Yes         Camera Angle Adjustment       Pan       0° ~ 360°         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   1280 x 1024, 640 x 512, 320 x 256     Sub Stream		4:3	1280 x 960, 640 x 480, 320 x 240		
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         DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA         Mechanical         Temperature Detector       Yes         Camera Angle Adjustment       Pan 0° ~ 360°         Tilt 90° ~ 180°       Rotate 0° ~ 360°         Rotate 0° ~ 360°       2-pin terminal block, PoE         Ethernet       RJ-45         Lonnectors       Audio       1 In (RCA female for microphone) 1 Out (RCA female for speaker)         Digital I/O       I/O Wires	Main Stream	16:9	1280 x 720, 640 x 360, 448 x 252		
Sub Stream       16 : 9       640 x 360, 448 x 252         5 : 4       640 x 512, 320 x 256         Network         Interface       10/100 Ethernet         DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA         Mechanical       Yes         Camera Angle       Pan       0° ~ 360°         Tilt       90° ~ 180°         Rotate       0° ~ 360°         Rotate       0° ~ 360°         Ethernet       RJ-45         Lonnectors       Audio       1 ln (RCA female for microphone) 1 Out (RCA female for speaker)         Digital I/O       I/O Wires		5:4	1280 x 1024, 640 x 512, 320 x 256		
S : 4   640 x 512, 320 x 256		4:3	640 x 480, 320 x 240		
Network  Interface 10/100 Ethernet  Protocol DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA  Mechanical  Temperature Detector Yes  Camera Angle Adjustment Tilt 90° ~ 180°  Rotate 0° ~ 360°  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	Sub Stream	16:9	640 x 360, 448 x 252		
Interface  Protocol  DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA  Mechanical  Temperature Detector  Yes  Camera Angle Adjustment  Pan  O° ~ 360°  Tilt 90° ~ 180°  Rotate 0° ~ 360°  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		5:4	640 x 512, 320 x 256		
DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA  Mechanical  Temperature Detector  Camera Angle Adjustment  Pan  O° ~ 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) Digital I/O  Digital I/O  I/O Wires	Network				
UPnP, 3GPP/ISMA	Interface		10/100 Ethernet		
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 In (RCA female for microphone) 1 Out (RCA female for speaker)  Digital I/O I/O Wires	Protocol				
Camera Angle Adjustment         Pan         0° ~ 360°           Rotate         0° ~ 360°           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	Mechanical				
Camera Angle Adjustment         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 (Was female for speaker)	Temperature Detector		Yes		
Adjustment   11t   90° × 180°		Pan	0° ~ 360°		
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	riajavanene	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			
Auto Iris DC Drive		Digital I/O	I/O Wires		
		Auto Iris	DC Drive		



Connectors Local Storage		Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported.		
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 Consu	ımption	7.68 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		1.4 kg (3.08 lb)		
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal casing		
Regulatory		CE, FCC, RCM, RoHS compliant		
Power over Etherne	t			
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 control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarn Text Overlay, Digital PTZ		
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 suppo	rt	GV-Control Center, GV-Center V2, GV-VSM		

Note: Specifications are subject to change without prior notice.

# **Packing List**

- 1. Bullet Camera
- 2. Lens (Megapixel and Built-In 16 IR LEDs)
- 3. Self Tapping Screw x 3
- 4. Plastic Screw Anchor x 3
- 5. Torx Wrench x 2
- Sun-Shield Cover Kit (1 Sun-Shield Cover, 2 Philips Head Screws, 2 Plastic Screw Spacers and 2 Hexagon Screws included)
- 7. Silica Gel Bag x 2
- 8. 2-Pin Terminal Block
- 9. GV-IPCAM H.264 Quick Start Guide
- 10. GV-IPCAM H.264 Software CD
- 11. GV-NVR Quick Start Guide
- 12. GV-NVR Software DVD



## Accessories

Model No. Name	Name		Details		
GV-Mount300	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1")		
			Weight: 4.27 Kg (9.41 lb)		
GV-Mount310	Concave Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 Kg (9.41 lb)		
GV-Mount400	Pole Mount Bracket Kit		Dimensions		
	(Ø 4" ~ 6")		Bracket: 241 x 161 mm (9.5" x 6.3")		
			Weight: 1.70 Kg ( 3.75 lb)		
			Steel Strap Diameter: Ø 4" ~ 6"		
GV-Mount410	Pole Mount Bracket Kit		Dimensions		
	(Ø 6" ~ 7.5")		Bracket: 241 x 161 mm (9.5" x 6.3")		
			Weight: 1.70 Kg (3.75 lb)		
			Steel Strap Diameter: $\emptyset$ 6" ~ 7.5"		
GV-PA191 PoE Adapter	Power over Ethernet (PoE) Adapter	C C Section (CDB)  The section (CDB)  The section (CDB)	The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.		
GV-Relay V2	GV-Relay V2		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.		
Power Adapter	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.				
GV-POE Switch	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available i various models with different numbers and types of ports.				