

GV-BL2510-E 2MP H.264 3x zoom Super Low Lux WDR IR Arctic Bullet IP Camera



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.02 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Motorized varifocal lens for remote focus/zoom adjustment
- P-Iris lens for auto iris control
- Intelligent IR
- IR distance up to 50 m (164 ft)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Wide temperature tolerance (-40°C ~ 50°C / -40°F ~ 122°F)
- Cable-concealed bracket preventing cable from being cut
- One sensor input and alarm output
- Built-in micro SD card slot (SD/SDHC) for local storage
- Support for recording to GV-NAS Systems
- 2-way audio
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / AC 24V
- 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 Arctic Bullet Camera is specifically designed for outdoors with extreme temperatures (-40°C ~ 50°C / -40°F ~ 122°F). Equipped with a super low lux image sensor, the camera is able to provide a color live view in near darkness. The camera also allows automatic and precise control of exposure using its P-iris, producing images with better clarity and contrast.

Active Tampering Alarm

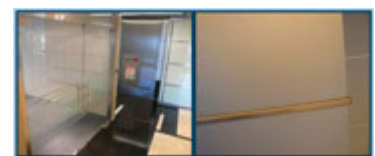
Tampered



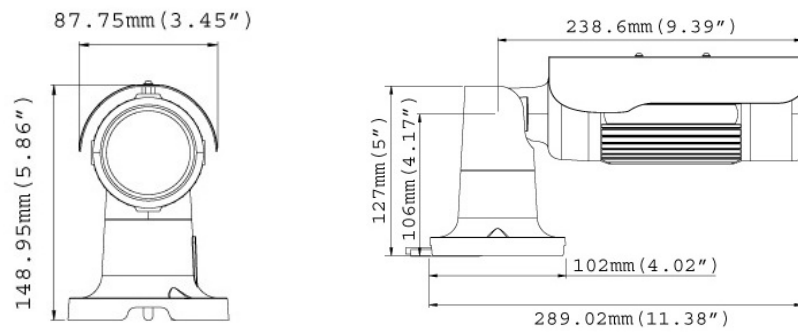
Focus Change



Camera Shift



Dimensions



Specifications

Camera		
Image Sensor	1/2.8" progressive scan super low lux CMOS	
Picture Elements	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.02 Lux
	B/W	0 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance	Automatic, Manual (2800K ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	52 dB	
WDR	Yes	
Dynamic Range	Up to 72 dB	
Lens		
Megapixel	Yes	
Focal Length	3 ~ 9 mm	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Motorized varifocal lens	
Maximum Aperture	F/1.2	
Mount	Ø 14 mm	
Image Format	1/2.7"	
Horizontal FOV	103° ~ 36°	
Operation	Focus	Auto Focus
	Zoom	3X Optical Zoom
	Iris	P-Iris
IR LED Quantity	16 IR LEDs	
Max. IR Distance	50 m (164 ft)	
Operation		
Video Compression	H.264, MJPEG	
Video Stream	Dual streams from H.264 or MJPEG	
Frame Rate	30 fps at 1920 x 1080 (50/60 Hz) * 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, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog, Zoom, Focus Change, Super Low Lux, Denoise, Metering	
Audio Compression	G.711, AAC (optional)	
Audio Support	Two-Way Audio	
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
	16 : 9	1920 x 1080 (Default), 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 (Default)
	5 : 4	640 x 512, 320 x 256

Network		
Interface	10/100 Ethernet	
Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), 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°
Connectors	Power	2-pin terminal block
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Cable
	Audio	1 In (RCA female for microphone) 1 Out (RCA female for speaker)
	Digital I/O	I/O Wires
	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	Start-up	-40°C ~ 50°C (-40 °F ~ 122 °F)
	Operation	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / 24V AC	
Max. Power Consumption	34 W	
Dimensions	Camera Body	289.02 x 87.75 x 148.95 mm (11.4" 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)	
Heater	On: -40°C ~ 30°C (-40 °F ~ 86°F); Off: 31°C (87.8°F)	
Fan	Constantly on	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, RCM, RoHS compliant	
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, 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-Backup Center, GV-NVR, GV-Recording Server, GV-DVR/NVR, GV-VMS	
Smart Device Access	GV-Eye for iOS and Android	
Live Viewing	IE, mobile phone	
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor	

Note:

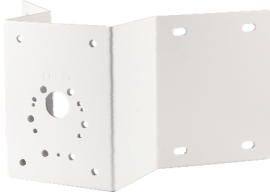
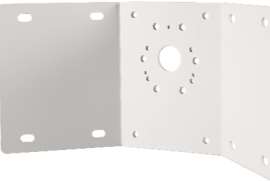



- Mind the following when using an inserted memory card for recording:
 - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
 - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
 - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
 - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.
- Specifications are subject to change without prior notice.

Packing List

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|--|--------------------------------------|
| 1. Bullet Camera | 7. Silica Gel Bag x 2 |
| 2. Lens (Megapixel and Built-In 16 IR LEDs) | 8. 2-Pin Terminal Block |
| 3. Self Tapping Screw x 3 | 9. Power Adapter DC 12V, 3.5A |
| 4. Plastic Screw Anchor x 3 | 10. GV-IPCAM H.264 Quick Start Guide |
| 5. Torx Wrench x 2 | 11. Download Guide |
| 6. Sun-Shield Cover Kit (1 Sun-Shield Cover, 2 Philips Head Screws, 2 Plastic Screw Spacers and 2 Hexagon Screws included) | 12. GV-NVR Software DVD |

Note: The power adapter can be excluded upon request.

Accessories

Model No.	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 (Ø 4" ~ 6")		Dimensions 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 (Ø 6" ~ 7.5")		Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 Kg (3.75 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
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 5 regions: Australia, Brazil, Europe, U.K and U.S.		