GV-EBL5101   5MP H.264 Low Lux WDR IR Bullet IP Camera

- 1/3.2" progressive scan low lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 2592 x 1944
- Intelligent IR
- Day and Night function (with removable IR-cut filter)
- Megapixel lens
- P-iris lens for auto iris control
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- Recording assigned by GV-Edge Recording Manager (Windows & Mac)
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option - NAS

Introduction

The Target Bullet Camera is a light-weighted camera designed for outdoor environments. It adheres to the IP67 standard and has full protection against dust and jets of water. The camera also allows automatic and precise control of exposure using its P-iris, producing images with better clarity and contrast. The camera offers an entry-level surveillance solution with all the essential features and excellent image quality.
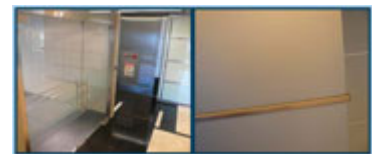
Active Tampering Alarm
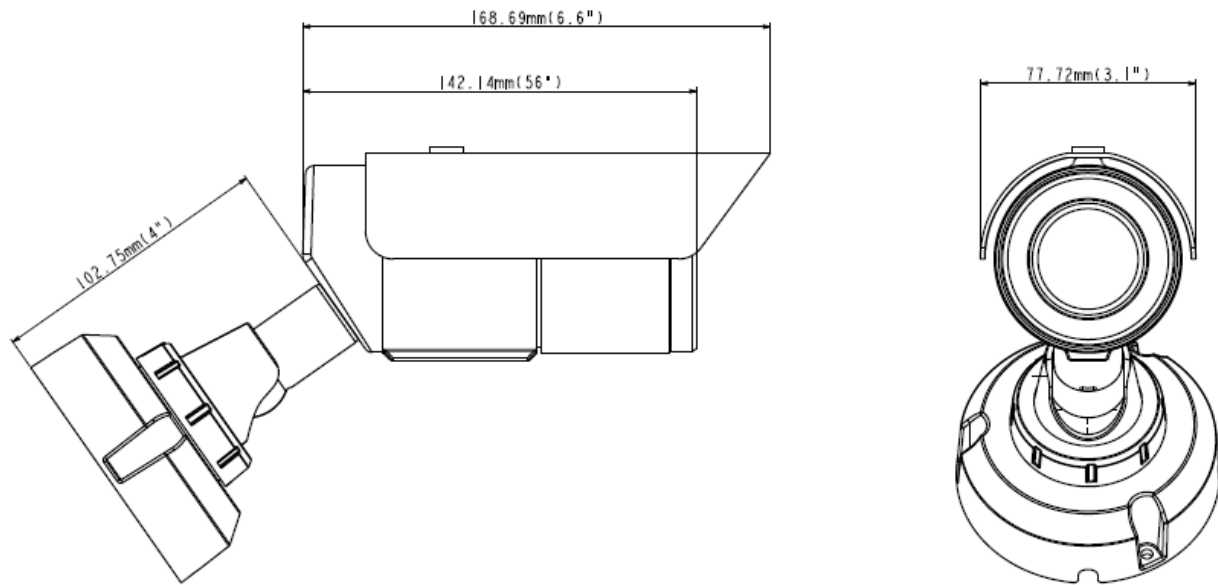
Tampered	Focus Change	Camera Shift

Overview

Dimensions

Specifications

Camera		
Image Sensor		1/3.2" progressive scan low lux CMOS
Picture Elements		2592 (H) x 1944 (V)
Minimum Illumination	Color	0.12 Lux
	B/W	0.10 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, manual (1/5 ~ 1/8000 sec)
White Balance		Automatic, manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		46 dB
WDR		Yes
Dynamic Range		Up to 72 dB
Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		2.8 ~ 12 mm
Maximum Aperture		F/1.7
Mount		Ø14 mm
Horizontal FOV		90° ~ 48°
Image Format		1/2.7"
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	P-Iris
IR LED Quantity		24 IR LEDs
Max. IR Distance		30 m (98.42 ft)
Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 and MJPEG
Frame Rate		30 fps at 2592 x 1944 (60/50 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, Denoise, Low Lux Enhancement, Noise Reduction
Audio Support		N/A

- 2 -

Video Resolution

Main Stream	4 : 3	2592 x 1944 (Default), 2048 x 1536, 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	960 x720 (Default), 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	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°
Connectors	Power	2-pin terminal block (DC 12V, 1.25A), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable

General

Environment Temperature	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		9.5 W
Dimensions		142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")
Weight		810 g (1.79 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, RCM, LVD, RoHS compliant

Power over Ethernet

PoE Standard	PoE (IEEE 802.3af Power over Ethernet / PD)
PoE Power Supply Type	End-span and Mid-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, Picture in Picture, Picture and Picture, Privacy Mask, 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

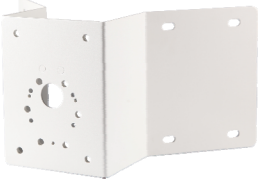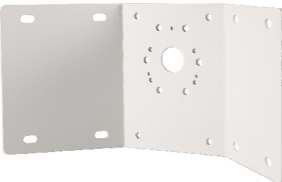|	
Software Supported	GV-DVR / NVR (V8.7.3.0), GV-VMS (V16.10.3.0), GV-Control Center (V3.4.0.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V16.10), GV-Recording Server / Video Gateway (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)
Smart Device Access	GV-Eye for iOS and Android
Remote Live Viewing	Browser (IE, Chrome, Firefox, Safari), Mobile App
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:
1. It's required to apply patch files to all the supported software mentioned above.
2. The signal range and data throughput may vary depending on the network conditions and environmental factors.
3. When the resolution is set at 2592 x 1944:
   - If the camera is switched to single stream (while stream 2 is deselected) and Noise Reduction is disabled, the frame rate can reach up to 30 FPS.
   - If the camera is switched to dual streams and Noise Reduction is disabled, the frame rate can reach up to 25 FPS.
   - As long as Noise Reduction is enabled, whether the camera is switched to single stream of dual streams, the frame rate will be 15 FPS.
4. Specifications are subject to change without notice.

Packing List

1. Target Bullet Camera
2. Sun-shield Cover
3. Screw for Sun-shield Cover x 2
4. Screw for Supporting Rack x 3
5. Screw Anchor x 3
6. Silica Gel Bag x 2
7. Washer x 2

8. Terminal Block
9. Screw for Mounting Kit x 3
10. Nut for Mounting Kit x 3
11. Hex Key
12. Download Guide
13. Warranty Card

Note: The power adapter can be purchased upon request.

Accessories

Model No.	Name		Details
GV-Mount300-1	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount310-1	Concave Corner Adapter Kit		Dimensions: 123.3 x 393.1 mm (4.9" x 15.5") Weight: 2.96 kg (6.53 lb)
GV-Mount400-1	Pole Mount Bracket Kit (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-Mount410-1	Pole Mount Bracket Kit (Ø 6" ~ 7.5")		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-PA191 PoE Adapter	Power Over Ethernet (PoE) Adapter		Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57") Weight: 130 g (0.29 lb)
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 in various models with different numbers and types of ports.	
Power Adapter		Contact our sales representatives for the countries and areas supported.	