

GV-BX4700-E 4MP H.265 Super Low Lux WDR Pro IR Arctic Box IP Camera



- 1/3" progressive scan super low lux CMOS
- Min. illumination at 0.02 lux
- Dual streams from H.265, H.264 and MJPEG
- Up to 20 fps at 2592 x 1520, 25 fps at 2560 x 1440, 30 fps at 2048 x 1520
- Day / Night function (with removable IR-cut filter)
- P-Iris for auto Iris adjustment
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Built-in heater and fan
- Support for TV-out
- Recording assigned by GV-Edge Recording Manager ([Windows](#), [Mac](#) version)
- Two-way audio
- Wide Dynamic Range Pro (WDR Pro)
- 3D noise reduction
- Smart streaming
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- Power supplied through PoE+ (IEEE 802.3at)
- Megapixel lens
- Wide temperature tolerance (-40°C ~ 50°C / -40°F ~ 122°F)
- Support for iPhone, iPad, Android and 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* Smart streaming requires either [GV-DVR / NVR V8.7.0](#) or [GV-VMS V16.10.3](#).

Active Tampering Alarm

Tampered



Focus Change



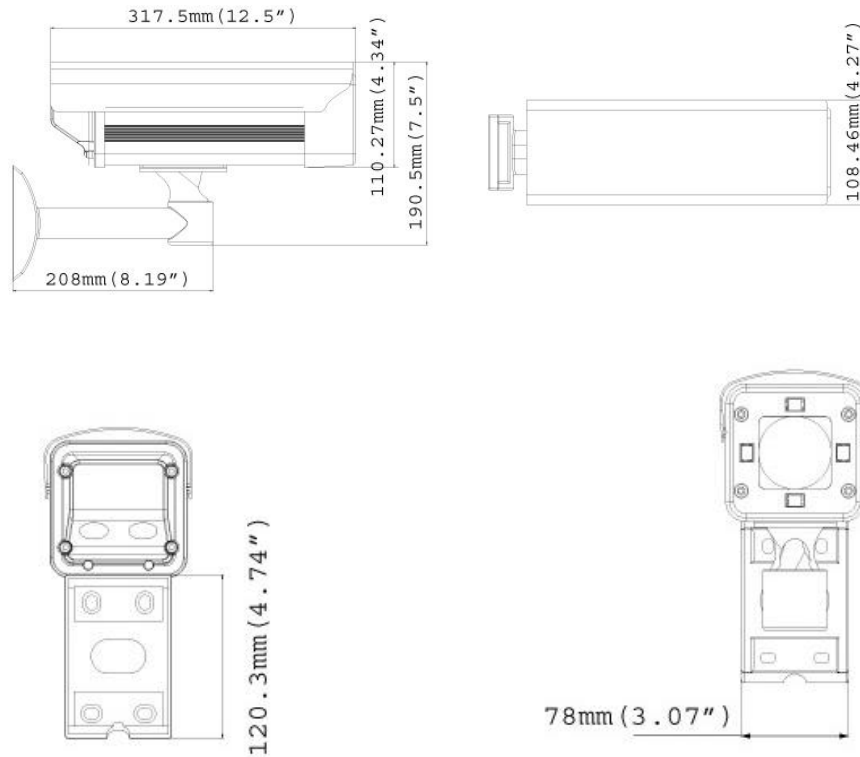
Camera Shift



Introduction

The GV-BX4700-E is an outdoor camera designed for environments of extreme temperatures. The camera adheres to **IP67** and **IK10** protection standards, and is equipped with IR LEDs and a removable IR-cut filter for day and night surveillance. GV-BX4700-E supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. The camera is capable of processing scenes with contrasting intensity of lights and producing clear images using the built-in WDR Pro. With the super low lux CMOS image sensor, the camera is capable of providing a color live view in near darkness.

Dimensions



Specifications

Camera		
Image Sensor	1/3" progressive scan super low lux CMOS	
Picture Elements	2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.03 Lux
	B/W	0.02 Lux
	IR ON	0 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/16000 sec.)	
White Balance	Automatic, Manual (2800 ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	50 dB	
WDR Pro	Yes	
Dynamic Range	Up to 120 dB	
Lens		
Megapixel	Yes	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Varifocal	
Focal Length	3 ~ 10.5 mm	
Maximum Aperture	F/1.4	
Mount	CS Mount	
Image Format	1/2.7"	
Horizontal FOV	78°~31°	
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	P-Iris
IR Quantity	4	
Max. IR Distance	30 m (98.4 ft.)	
Operation		
Video Compression	H.265, H.264, MJPEG	
Video Stream	Stream 1 from H.265 or H.264	
	Stream 2 from H.265, H.264 or MJPEG	

Frame Rate	50 Hz: 20 fps at 2592 x1520, 25 fps at 2560 x 1440, 25 fps at 2048 x 1520 60 Hz: 20 fps at 2592 x1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520 * The frame rate and performance may vary depending on the number of connections and data bit-rates (different scenes).	
Image Setting	Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR, Defog, Low Lux Enhancement, Denoise, Metering	
Audio Compression	G.711	
Audio Support	Two-Way Audio	
Video Resolution		
Main Stream	4:3	2048 x 1520, 1600 x 1200, 1280 x 960, 640 x 480
	16:9	2592 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080, 1280 x 720, 640 x 360
	5:4	1280 x 1024, 640 x 512
Sub Stream	4:3	1024 x 768, 640 x 480, 320 x 240
	16:9	1280 x 720, 640 x 360 (Default), 448 x 256
	5:4	1280 x 1024, 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		
Camera Angle Adjustment	Pan	0° ~ 330°
	Tilt	0° ~ 90°
Temperature Detector	Yes	
Connectors	Power	PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")
	Auto Iris	P-Iris
	TV-Out	BNC connector
LED Indicator	1 (Status LED)	
General		
Environment Temperature	Start-up	-30°C ~ 50°C (-22°F ~ 122°F)
	Operation	-40°C ~ 50°C (-40°F ~ 122°F)
Humidity	10% to 90% (no condensation)	
Power Source	PoE+ (IEEE802.3at)	
Max. Power Consumption	23 W	
Dimensions (L X W X H)	100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")	
Weight	3.2 Kg (7.11 lb)	
Heater On	-40°C ~ 8°C (-40°F ~ 46.4°F)	
Fan	Constantly on	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, RCM, LVD, RoHS compliant	
Power over Ethernet		
PoE Standard	PoE+ (IEEE 802.3at Power over Ethernet / PD)	
PoE Power Supply Type	End-Span and Mid-Span	
PoE Power Output	Per Port 48V DC, 600 mA. Max. 30 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, Audio, Picture in Picture, Picture and Picture, Privacy Mask, 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	
Applications		
Software Supported	GV-DVR / NVR (V8.7.1.0), GV-VMS (V15.11.1.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V15.10.0.0), GV-Recording Server (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)	
Smart Device Access	GV-Eye for iOS and Android	

Live Viewing	Browser (IE, Chrome, Firefox, Safari), Mobile app
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

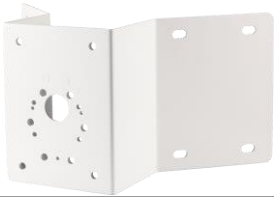
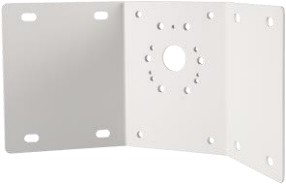


Note:

1. It is required to apply patch files to all the supported software.
2. Specifications are subject to change without notice.

Packing List

- | | |
|-------------------------------|--------------------------|
| 1. H.265 IR Arctic Box Camera | 7. Silica Gel Bag x 2 |
| 2. Screw Anchor x 4 | 8. Adhesive Tape x 2 |
| 3. Screw x 4 | 9. GV-IPCAM Software DVD |
| 4. Washer x 4 | 10. GV-Software DVD |
| 5. Big Torx Wrench | 11. Warranty Card |
| 6. Small Torx Wrench | |

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: 123.3 x 393.1 mm (4.9 x 15.5") Weight: 2.96 kg (6.53 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-PA482 PoE Adapter		The GV-PA482 PoE adapter is designed to provide power and network connection to GV-BX1500-E / 2400-E / 2510-E / 3400-E / 5300-E / 4700-E / 5310-E over a single Ethernet cable.
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.