

GV-BX2400-E 2MP H.264 WDR Pro IR Arctic Box IP Camera



- 2 megapixel progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Day / Night function (with removable IR-cut filter)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Built-in heater and fan
- Support for TV-out
- NAS Recording
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- Two-way audio
- Wide Dynamic Range Pro (WDR Pro)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Power supplied through PoE+ (IEEE 802.3at)
- Megapixel lens
- Support for iPhone, iPad, Android and 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* For optimal performance and compatibility, it is highly recommended to use a GV-NAS System.

Active Tampering Alarm

Tampered



Focus Change



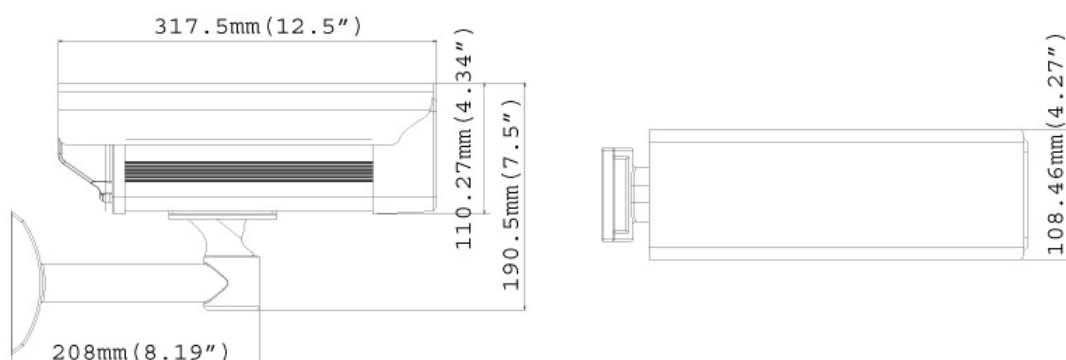
Camera Shift

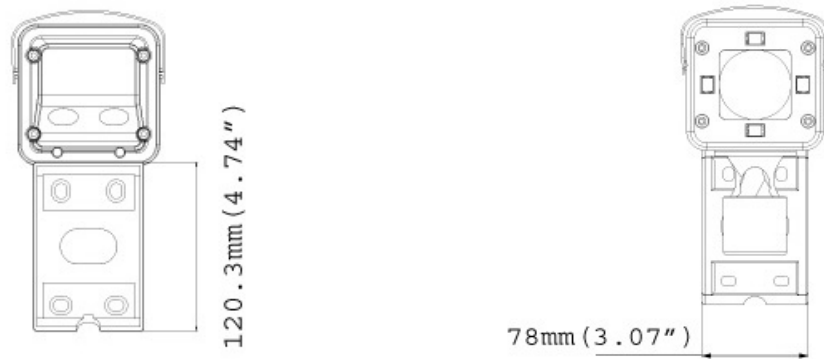


Introduction

The GV-BX2400-E is an outdoor cameras 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. The camera is capable of processing scenes with contrasting intensity of lights and producing clear images using the built-in WDR Pro.

Dimensions





Specifications

Camera		
Image Sensor	1/3.2" progressive scan CMOS	
Picture Elements	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.08 Lux
	B/W	0.05 Lux
	IR ON	0 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance	Automatic, Manual (2800 ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	47 dB	
WDR Pro	Yes	
BLC	Yes	
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	
Image Format	1/2.7"	
Horizontal FOV	73°~27°	
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	DC drive
IR Quantity	4	
Max. IR Distance	15 m (50 ft.)	
Torque (Focus/Zoom screws)	0.049 N.m	
Operation		
Video Compression	H.264, MJPEG	
Video Stream	Dual streams from H.264 and MJPEG	
Frame Rate	30 fps at 1920 x 1080 * The frame rate and 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, Metering	
Audio Compression	G.711, AAC (optional)	
Audio Support	Two-Way Audio	
Video Resolution		
Main Stream	4:3	1600 x 1200, 1280 x 960, 640 x 512, 320 x 256
	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	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256

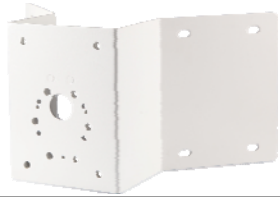



Network		
Interface		10/100 Ethernet
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 330°
	Tilt	0° ~ 90°
Temperature Detector		Yes
Connectors	Power	PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")
	Auto Iris	DC drive
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator		1 LED: Status
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, RoHS compliant
Power over Ethernet		
PoE Standard		PoE+ (IEEE 802.3at Power over Ethernet / PD)
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 600 mA. Max. 34.2 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, 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
Applications		
Network Storage		GV-System (GV-DVR/NVR), GV-Backup Center, GV-Recording Server, 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: Specifications are subject to change without notice.

Packing List

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|-------------------------|-------------------------------------|
| 1. 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 H.264 Quick Start Guide |
| 4. Washer x 4 | 10. GV-IPCAM H.264 Software DVD |
| 5. Big Torx Wrench | 11. GV-NVR Quick Start Guide |
| 6. Small Torx Wrench | 12. GV-NVR Software DVD |

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-PA481 PoE Adapter		The GV-PA481 PoE adapter is designed to provide power and network connection to GV-BX1500-E / 2400-E / 3400-E / 5300-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.