

## GV-BX2400D-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
- Two-way audio
- Wide Dynamic Range Pro (WDR Pro)
- 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

### Active Tampering Alarm

Tampered



Focus Change



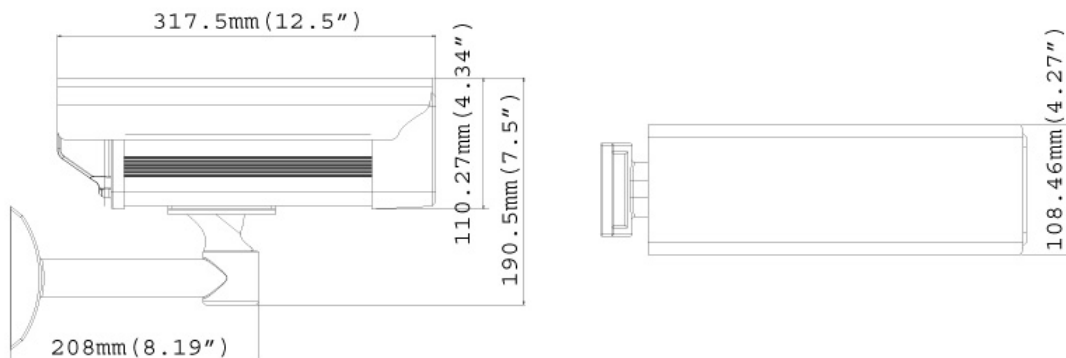
Camera Shift

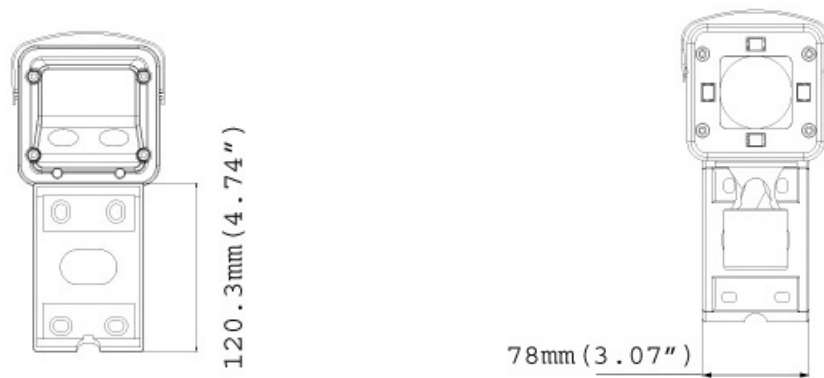


### Introduction

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	
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, C-Tick, RoHS compliant	
Power over Ethernet		
PoE Standard	IEEE 802.3at Power over Ethernet / PD	
PoE Power Supply Type	End-Span	
PoE Power Output	Per Port 48V DC, 600mA. 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-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 support	GV-Control Center, GV-Center V2, GV-VSM	

**Note:** Specifications are subject to change without notice.

### Packing List

- |                         |                                     |
|-------------------------|-------------------------------------|
| 1. IR Arctic Box Camera | 7. Silica Gel Bag x 2               |
| 2. Screw Anchor x 4     | 8. GV-IPCAM H.264 Quick Start Guide |
| 3. Screw x 4            | 9. GV-IPCAM H.264 Software CD       |
| 4. Washer x 4           | 10. GV-NVR Quick Start Guide        |
| 5. Big Torx Wrench      | 11. GV-NVR Software DVD             |
| 6. Small Torx Wrench    |                                     |

## 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 (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.