

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



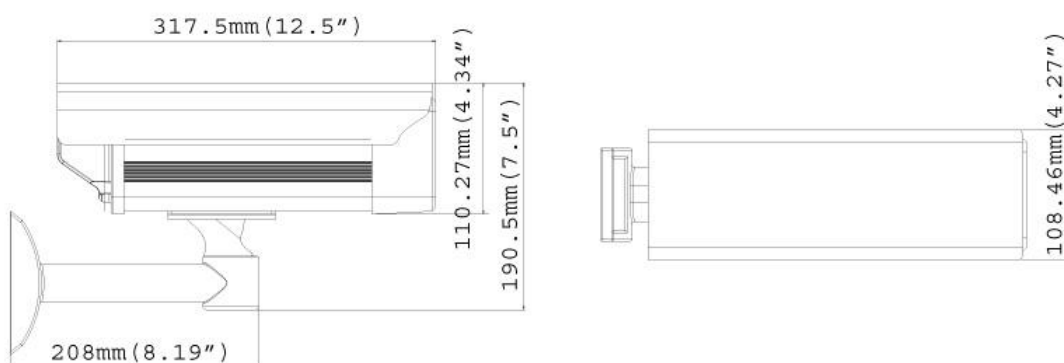
Camera Shift

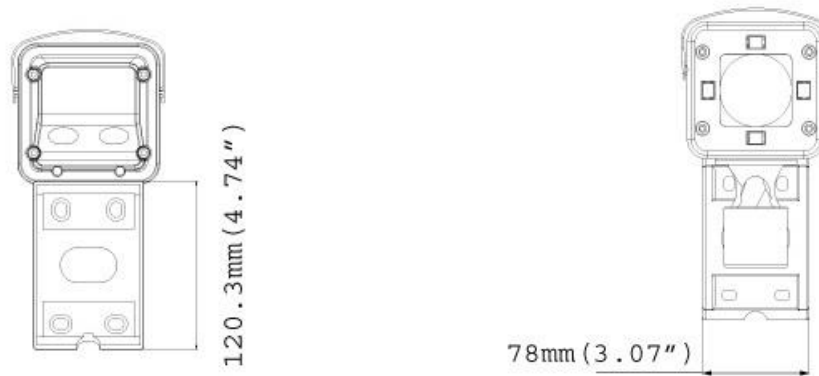


Introduction

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" |
| 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 |
| Two-way Audio | | Yes |
| 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, Digital I/O Control, 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-PA481 PoE Adapter and GV-PA481 Power Cord |
| 3. Screw x 4 | 9. GV-IPCAM H.264 Quick Start Guide |
| 4. Washer x 4 | 10. GV-IPCAM H.264 Software CD |
| 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 Power 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. |