

GV-BX1500 Series 1.3MP H.264 Super Low Lux WDR D/N Box IP Camera

GV-BX1500-0F / 1F / 2F / 8F



GV-BX1500-3V



- 1.3 megapixel progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Built-in / external microphone
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in micro SD card slot (SD/SDHC) for local storage
- Mini USB slot for WiFi Adapter or USB hard drive
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / PoE
- Removable IR-cut filter for Day/Night function
- Varifocal megapixel lens
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No Memory card slot & local storage function for Argentina.

Introduction

The GV-BX1500 is a series of indoor IP cameras containing a varifocal and several fixed focal models. The camera is equipped with a Super Low Lux CMOS image sensor which allows the camera to provide a color live view in near darkness. The camera features a mini USB port which supports wireless connection through a GV-WiFi Adapter (optional) or external storage using a USB hard drive.

Models

| Models | Iris | Focal Length (mm) | Maximum Aperture | Image Format |
|--------------|----------|-------------------|------------------|--------------|
| GV-BX1500-0F | Fixed | 4 mm | F/1.5 | 1/3" |
| GV-BX1500-1F | | 8 mm | F/1.6 | 1/2.5" |
| GV-BX1500-2F | | 12 mm | | |
| GV-BX1500-3V | DC drive | 2.8 ~ 12 mm | F/1.4 | 1/3" |
| GV-BX1500-8F | Fixed | 2.8 mm | F/1.8 | 1/2.5" |

Active Tampering Alarm

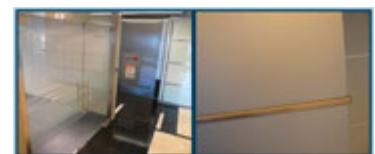
Tampered



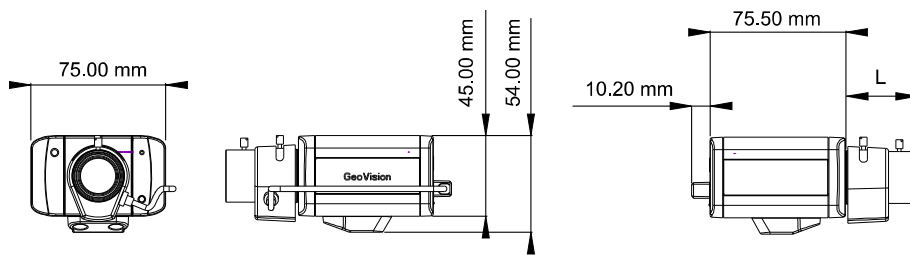
Focus Change



Camera Shift



Dimensions



| Model | L Length |
|-----------|-----------------|
| BX1500-0F | 15.7 mm (0.62") |
| BX1500-1F | 15.7 mm (0.62") |
| BX1500-2F | 15.7 mm (0.62") |
| BX1500-3V | 39.5 mm (1.56") |
| BX1500-8F | 15.7 mm (0.62") |

Specifications

| Camera | GV-BX1500-0F | GV-BX1500-1F | GV-BX1500-2F | GV-BX1500-8F | GV-BX1500-3V |
|----------------------------|---|---|--------------|--------------|-----------------|
| Image Sensor | 1/3" progressive scan super low lux CMOS | | | | |
| Picture Elements | 1280 (H) x 1024 (V) | | | | |
| Minimum Illumination | Color | 0.01 Lux | | | |
| | B/W | 0 Lux | | | |
| Shutter Speed | Automatic, Manual (1/5 ~ 1/8000 sec) | | | | |
| White Balance | Automatic, Manual (2800 ~ 8500K) | | | | |
| Gain Control | Automatic | | | | |
| S/N Ratio | 55 dB | | | | |
| WDR | Yes | | | | |
| Lens | | | | | |
| Megapixel | Yes | | | | |
| Day/Night | Yes (with removable IR-cut filter) | | | | |
| Lens Type | Fixed | | | | Varifocal |
| Focal Length | 4 mm | 8 mm | 12 mm | 2.8 mm | 2.8 ~ 12 mm |
| Maximum Aperture | F/1.5 | F/1.6 | | F1.8 | F/1.4 |
| Mount | CS Mount | | | | |
| Image Format | 1/3" | 1/2.5" | | | 1/3" |
| Horizontal FOV | 63° | 36° | 23° | 90° | 86°~31° |
| Operation | Focus | Manual | | | Manual (w/lock) |
| | Zoom | Fixed | | | Manual (w/lock) |
| | Iris | Fixed | | | DC drive |
| Torque (Focus/Zoom screws) | 0.049 N.m | | | | |
| Operation | | | | | |
| Video Compression | H.264, MPEG4 | | | | |
| Video Streaming | Dual streams from H.264 or MJPEG | | | | |
| Frame Rate | 30 fps at 1280 x 1024 * 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, Super Low Lux | | | | |
| Audio Compression | G.711, AAC (optional) | | | | |
| Audio Support | Two-Way Audio | | | | |
| Sensor Input | 1 input (Dry Contact) | | | | |
| Alarm Output | 1 Digital Output (200mA 5V DC) | | | | |
| Video Resolution | | | | | |
| Main Stream | 4:3 | 1280 x 960, 640 x 480, 320 x 240, 640 x 512, 320 x 256 | | | |
| | 16:9 | 1280 x 720, 640 x 360, 448 x 252, 640 x 360, 448 x 252 | | | |
| | 5:4 | 1280 x 1024, 640 x 512, 320 x 256, 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 | DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA | |
| Wireless LAN | IEEE 802.11 b/g/n | |
| Antenna Type | External | |
| Security | WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES) | |
| Mechanical | | |
| Temperature Detector | Yes | |
| Connectors | Power | 2-pin terminal block, PoE |
| | Ethernet | RJ-45 |
| | Audio | 1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14") |
| | Digital I/O | 3-pin terminal block, pitch 2.5 mm (0.1") |
| | Auto Iris | Yes (with varifocal lens) |
| | Local Storage | Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported. |
| | TV-Out | BNC connector (640 x 480 resolution) |
| | Mini USB | GV-WiFi Adapter or USB hard drive |
| LED Indicator | 2 LEDs: Power, Status | |
| General | | |
| Operating Temperature | 0 °C ~ 50 °C (32 °F ~ 122 °F) | |
| Humidity | 10% to 90% (no condensation) | |
| Power Source | 12V DC / PoE | |
| Max. Power Consumption | 9.5W | |
| Dimensions (without lens) | 75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") | |
| Weight | 300 g (0.66 lb) | |
| Regulatory | CE, RCM, FCC, RoHS compliant | |
| Power over Ethernet | | |
| PoE Standard | IEEE 802.3af Class 3 Power over Ethernet / PD | |
| PoE Power Supply Type | End-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, Digital I/O control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, 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:

- The signal range and data throughput may vary depending on the network conditions and environmental factors.
- Mind the following limitations and requirements for the mini USB port:
 - The USB hard drive must be of 2.5" or 3.5", version 2.0 or above
 - The USB hard drive's storage capacity must not exceed 2TB
 - USB flash drives and USB hubs are not supported
 - External power supply is required for the USB hard drive
 - To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.
- Specifications are subject to change without notice.

Packing List

- | | |
|--|-------------------------------------|
| 1. Box Camera | 6. Camera Holder |
| 2. Terminal Block | 7. GV-IPCAM H.264 Quick Start Guide |
| 3. Fixed Focal or Varifocal Megapixel Lens | 8. GV-IPCAM H.264 Software CD |
| 4. Six Lens Rings | 9. GV-NVR Quick Start Guide |
| 5. Video Out Wire | 10. GV-NVR Software DVD |

Accessories

| Name | | Details |
|----------------------|---|--|
| GV-IR LED T2 |  | Weight: 140 g / 0.31 lbs Dimensions (H x W x D): 49 x 47 x 67 mm / 1.93 x 1.85 x 2.64 in |
| GV-PA191 PoE Adapter |  | Weight: 130 g / 0.29 lb Dimensions (H x W x D): 43 x 69 x 40 mm / 1.69 x 2.72 x 1.57 in |
| GV-Relay V2 |  | The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement. |
| Power Adapter | | Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe. |
| 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. |
| GV-WiFi Adaptor |  | Weight: 20 g / 0.04 lb Dimensions: 15 x 15 x 155 mm / 0.59" x 0.59" x 6.10" Supplied with mini USB to standard USB adapter. |