

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

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



GV-BX1500-3V



- 1.3 megapixel progressive scan super low lux CMOS
- 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 (SDHC / SDXC) card slot for local storage
- Mini USB slot for WiFi Adapter or USB hard drive
- Wide Dynamic Range (WDR)
- 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 model and several fixed focal models. The camera is equipped with a Super Low Lux CMOS image sensor which allows the live view to be seen at 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
BX1500-0F	Fixed	4 mm	F/1.5	1/3"
BX1500-1F		8 mm	F/1.6	1/2.5"
BX1500-2F		12 mm		
BX1500-3V	DC drive	2.8 ~ 12 mm	F/1.5	1/3"

### Active Tampering Alarm

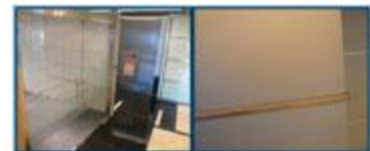
Tampered



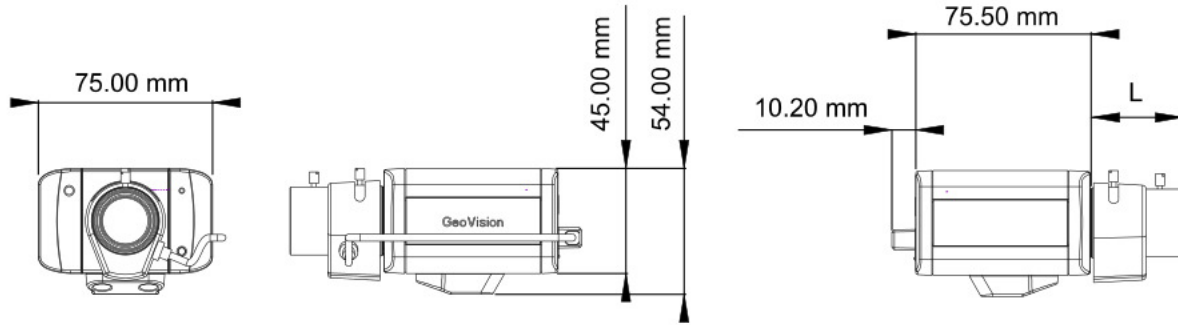
Focus Change



Camera Shift



## Dimensions



## Specifications

Camera	GV-BX1500-0F	GV-BX1500-1F	GV-BX1500-2F	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 ~ 12 mm
Maximum Aperture	F/1.5	F/1.6		F/1.4
Mount	CS Mount			
Image Format	1/3"	1/2.5"		1/3"
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
Two-way Audio	Yes
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
	16:9	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	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, RTP, RTSP, RTMP, RTMPE, RTMPE2, RTMPE3, RTMPE4, RTMPE5, RTMPE6, RTMPE7, RTMPE8, RTMPE9, RTMPE10, RTMPE11, RTMPE12, RTMPE13, RTMPE14, RTMPE15, RTMPE16, RTMPE17, RTMPE18, RTMPE19, RTMPE20, RTMPE21, RTMPE22, RTMPE23, RTMPE24, RTMPE25, RTMPE26, RTMPE27, RTMPE28, RTMPE29, RTMPE30, RTMPE31, RTMPE32, RTMPE33, RTMPE34, RTMPE35, RTMPE36, RTMPE37, RTMPE38, RTMPE39, RTMPE40, RTMPE41, RTMPE42, RTMPE43, RTMPE44, RTMPE45, RTMPE46, RTMPE47, RTMPE48, RTMPE49, RTMPE50, RTMPE51, RTMPE52, RTMPE53, RTMPE54, RTMPE55, RTMPE56, RTMPE57, RTMPE58, RTMPE59, RTMPE60, RTMPE61, RTMPE62, RTMPE63, RTMPE64, RTMPE65, RTMPE66, RTMPE67, RTMPE68, RTMPE69, RTMPE70, RTMPE71, RTMPE72, RTMPE73, RTMPE74, RTMPE75, RTMPE76, RTMPE77, RTMPE78, RTMPE79, RTMPE80, RTMPE81, RTMPE82, RTMPE83, RTMPE84, RTMPE85, RTMPE86, RTMPE87, RTMPE88, RTMPE89, RTMPE90, RTMPE91, RTMPE92, RTMPE93, RTMPE94, RTMPE95, RTMPE96, RTMPE97, RTMPE98, RTMPE99, RTMPE100




Antenna Type	External	
Security	WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES)	
<b>Mechanical</b>		
Temperature Detector	Yes	
	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")
Connectors	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")
	Auto Iris	Yes
	Local Storage	Micro SD memory card slot (SDHC / SDXC for Class 6 card or above)
	TV-Out	BNC connector (640 x 480 resolution)
	Mini USB	GV-WiFi Adapter or USB hard drive
LED Indicator	2 LEDs: Power, Status	
<b>General</b>		
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	
<b>Power over Ethernet</b>		
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	
<b>Web Interface</b>		
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	
<b>Applications</b>		
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.

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-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.																		
Fixed Lens : 4 mm		<table border="1"> <tbody> <tr> <td data-bbox="901 1239 1055 1266">Description</td> <td data-bbox="1055 1239 1510 1266">Megapixel day/ night lens</td> </tr> <tr> <td data-bbox="901 1291 1023 1318">Focal Length</td> <td data-bbox="1055 1291 1510 1318">4 mm</td> </tr> <tr> <td data-bbox="901 1344 1006 1371">Maximum Aperture</td> <td data-bbox="1055 1344 1510 1371">F/1.5</td> </tr> <tr> <td data-bbox="901 1396 974 1423">Mount</td> <td data-bbox="1055 1396 1510 1423">CS Mount</td> </tr> <tr> <td data-bbox="901 1449 1039 1476">Image Format</td> <td data-bbox="1055 1449 1510 1476">1/3"</td> </tr> <tr> <td data-bbox="901 1501 1006 1528" rowspan="3">Operation</td> <td data-bbox="1055 1501 1510 1528">Focus: Manual</td> </tr> <tr> <td data-bbox="1055 1554 1510 1581">Zoom: Fixed</td> </tr> <tr> <td data-bbox="1055 1606 1510 1633">Iris: Fixed</td> </tr> <tr> <td data-bbox="901 1659 1006 1686">Dimension</td> <td data-bbox="1055 1659 1510 1686">ø30 x 27 mm / ø1.18 x 1.06 in</td> </tr> <tr> <td data-bbox="901 1711 974 1738">Weight</td> <td data-bbox="1055 1711 1510 1738">30 g / 0.07 lb</td> </tr> </tbody> </table>	Description	Megapixel day/ night lens	Focal Length	4 mm	Maximum Aperture	F/1.5	Mount	CS Mount	Image Format	1/3"	Operation	Focus: Manual	Zoom: Fixed	Iris: Fixed	Dimension	ø30 x 27 mm / ø1.18 x 1.06 in	Weight	30 g / 0.07 lb
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