

## 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 (SDHC / SDXC) card slot 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/1.5	1/3"
GV-BX1500-8F	Fixed	2.8 mm	F/1.8	1/2.5"

### Active Tampering Alarm

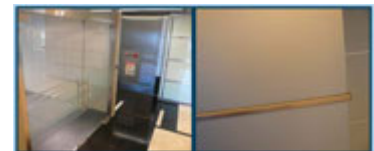
Tampered



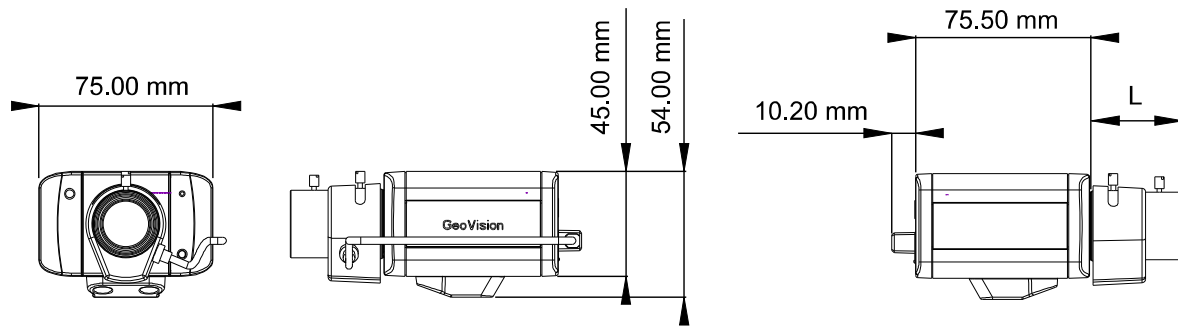
Focus Change



Camera Shift



## Dimensions



## 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 B/W	0.01 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		55 dB				
WDR		Yes				
<b>Lens</b>						
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"
Operation	Focus	Manual				Manual (w/lock)
	Zoom	Fixed				Manual (w/lock)
	Iris	Fixed				DC drive
Torque (Focus/Zoom screws)		0.049 N.m				
<b>Operation</b>						
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)				
<b>Video Resolution</b>						
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				
<b>Network</b>						
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)	
<b>Mechanical</b>		
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 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.

**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.																
Fixed Lens : 4 mm		<table border="1"> <tbody> <tr> <td>Description</td> <td>Megapixel day/ night lens</td> </tr> <tr> <td>Focal Length</td> <td>4 mm</td> </tr> <tr> <td>Maximum Aperture</td> <td>F/1.5</td> </tr> <tr> <td>Mount</td> <td>CS Mount</td> </tr> <tr> <td>Image Format</td> <td>1/3"</td> </tr> <tr> <td>Operation</td> <td>Focus: Manual Zoom: Fixed Iris: Fixed</td> </tr> <tr> <td>Dimension</td> <td>ø30 x 27 mm / ø1.18 x 1.06 in</td> </tr> <tr> <td>Weight</td> <td>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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Fixed Lens : 2.8 mm	 <table border="1"> <tr><td>Description</td><td>Megapixel day/ night lens</td></tr> <tr><td>Focal Length</td><td>2.8 mm</td></tr> <tr><td>Maximum Aperture</td><td>F/1.8</td></tr> <tr><td>Mount</td><td>CS Mount</td></tr> <tr><td>Image Format</td><td>1/2.5"</td></tr> <tr><td>Operation</td><td>Focus: Manual (w/lock) Zoom: Fixed Iris: Fixed</td></tr> <tr><td>Dimension</td><td>ø 30 x 17 mm / ø 1.2 x 0.67 in</td></tr> <tr><td>Weight</td><td>28 g / 0.06 lb</td></tr> </table>	Description	Megapixel day/ night lens	Focal Length	2.8 mm	Maximum Aperture	F/1.8	Mount	CS Mount	Image Format	1/2.5"	Operation	Focus: Manual (w/lock) Zoom: Fixed Iris: Fixed	Dimension	ø 30 x 17 mm / ø 1.2 x 0.67 in	Weight	28 g / 0.06 lb
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Weight	28 g / 0.06 lb																

Name	Details	
<b>Varifocal Lens : 2.8 ~ 12 mm</b>	Description	Megapixel day/ night lens
	Focal Length	2.8 ~ 12 mm
	Maximum Aperture	F/1.4
	Mount	CS Mount
	Image Format	1/3"
	Operation	Focus: Manual (w/lock)
		Zoom: Manual (w/lock)
		Iris: DC Drive
	Dimension	ø 43 x 44 mm / ø 1.69 x 1.73 in
	Weight	72 g / 0.16 lb

