

## GV-BX2500 Series 2MP H.264 Super Low Lux WDR D/N Box IP Camera

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



GV-BX1500-3V



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.02 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- 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-BX2500 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-BX2500-0F	Fixed	4 mm	F/1.5	1/3"
GV-BX2500-1F		8 mm	F/1.6	1/2.5"
GV-BX2500-2F		12 mm		
GV-BX2500-3V	DC drive	2.8 ~ 12 mm	F/1.4	1/3"
GV-BX2500-8F	Fixed	2.8 mm	F/1.8	1/2.5"

### Active Tampering Alarm

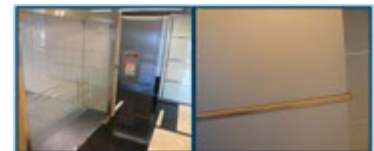
Tampered



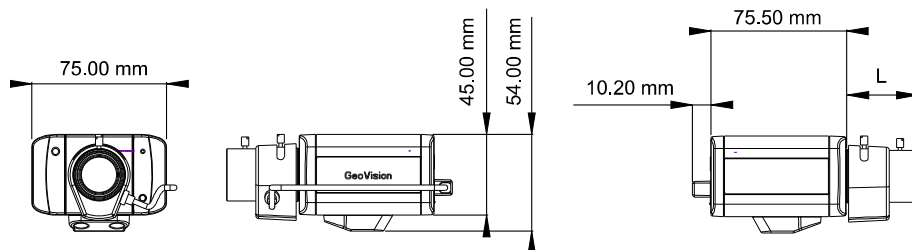
Focus Change



Camera Shift



## Dimensions



Model	L Length
BX2500-0F	15.7 mm (0.62")
BX2500-1F	15.7 mm (0.62")
BX2500-2F	15.7 mm (0.62")
BX2500-3V	39.5 mm (1.56")
BX2500-8F	15.7 mm (0.62")

## Specifications

Camera	GV-BX2500-0F	GV-BX2500-1F	GV-BX2500-2F	GV-BX2500-8F	GV-BX2500-3V
Image Sensor	1/2.8" progressive scan super low lux CMOS				
Picture Elements	1920 (H) x 1080 (V)				
Minimum Illumination	Color	0.02 Lux			
	B/W				
	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	52 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 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, 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			
	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			
<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 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	
<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	7.99W	
Dimensions (without lens)	75.5 x75 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		<p>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</p>
GV-PA191 PoE Adapter		<p>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</p>
GV-Relay V2		<p>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.</p>
Power Adapter		<p>Power adapters are available in 5 regions: Australia, Brazil, Europe, U.K and U.S.</p>
GV-POE Switch		<p>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.</p>
GV-WiFi Adaptor		<p>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.</p>