

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	1/2.7"
GV-BX2500-8F	Fixed	2.8 mm	F/1.8	1/2.5"

Active Tampering Alarm

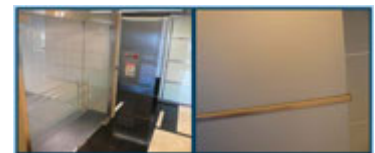
Tampered



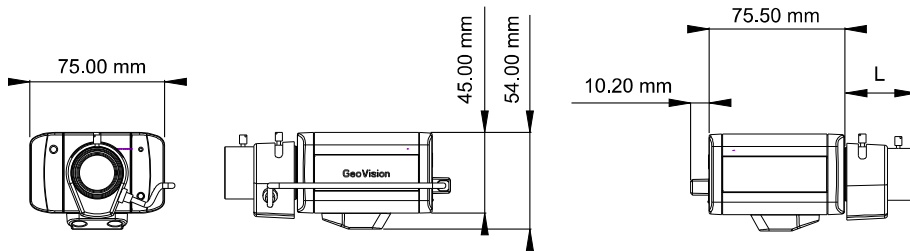
Focus Change



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				
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	F/1.6	F/1.8	F/1.4
Mount	CS Mount				
Image Format	1/3"	1/2.5"	1/2.5"	1/2.5"	1/2.7"
Horizontal FOV	72°	40°	25°	107°	105° ~ 36°
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 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, 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			
	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	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	7.99W	
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:







1. The signal range and data throughput may vary depending on the network conditions and environmental factors.
2. 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.
3. Specifications are subject to change without notice.
4. Mind the following when using a memory card for recording:
 - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
 - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
 - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
 - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.

Packing List

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|--|-------------------------------------|
| 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

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: 123.3 x 393.1 mm (4.9" x 15.5") Weight: 2.96 Kg (6.53 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"

Model No.	Name	Details
GV-Mount410	<p>Pole Mount Bracket Kit (Ø 6" ~ 7.5")</p> 	<p>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"</p>
GV-Housing101	<p>Housing Box (with heater and fan)</p>  <p>IP67 IK10</p>	<p>Dimensions: 406 x 145 x 109 mm (16 x 5.7 x 4.3") Weight: 4.69 Kg (10.34 lbs) (including Supporting Tube) Start-up Temperature: -30°C ~ 50°C (-22°F ~ 122°F) Operation Temperature: -40°C ~ 50°C (-40°F ~ 122°F) Heater: 15°C (59°F) On / 25°C (77°F) Off Fan: 35°C (95°F) On / 25°C (77°F) Off Power board: 24V AC or 12V DC input</p>
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>