GV-BX2400 Series 2MP H.264 WDR Pro D/N Box IP Camera

GV-BX2400-0F／1F／2F／8F

GV-BX2400-3V

GV-BX2400-4V

- 2 megapixel progressive scan CMOS
- 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 Pro (WDR Pro)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / PoE (IEEE 802.3af)
- 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.

Models

Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-BX2400-0F	Fixed	4 mm	F/1.5	1/3”
GV-BX2400-1F		8 mm	F/1.6	1/2.5”
GV-BX2400-2F		12 mm		
GV-BX2400-3V	DC drive	2.8 ~ 12 mm	F/1.4	1/2.7”
GV-BX2400-4V		3 ~ 10.5 mm		1/2.7"
GV-BX2400-8F	Fixed	2.8 mm	F/1.8	1/2.5’’

Active Tampering Alarm

Tampered	Focus Change	Camera Shift

Dimensions

75.00 mm

45.00 mm
54.00 mm

75.50 mm

10.20 mm

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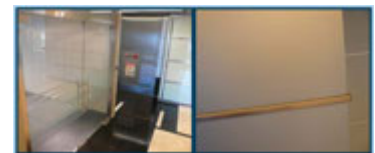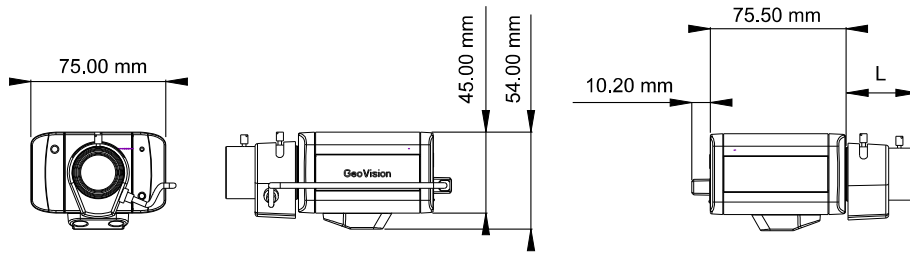
Model	L Length
BX2400-0F	15.7 mm (0.62")
BX2400-1F	15.7 mm (0.62")
BX2400-2F	15.7 mm (0.62")
BX2400-3V	39.5 mm (1.56")
BX2400-4V	37.1 mm (1.46")
BX2400-8F	15.7 mm (0.62")

Specifications

Camera		GV-BX2400-0F	GV-BX2400-1F	GV-BX2400-2F	GV-BX2400-8F	GV-BX2400-3V	GV-BX2400-4V
Image Sensor		1/3.2" progressive scan CMOS					
Picture Elements		1920 (H) x 1080 (V)					
Minimum Illumination	Color	0.08 Lux					
	B/W	0.05 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		47 dB					
BLC		Yes					
WDR Pro		Yes (with WDR sensor)					
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	3 ~ 10.5 mm
Maximum Aperture		F/1.5	F/1.6		F/1.8	F/1.4	
Mount		CS Mount					
Image Format		1/3"	1/2.5"			1/2.7"	1/2.7"
Horizontal FOV		58°	32°	21°	83°	77° ~ 28°	73° ~ 27°
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, MJPEG					
Video Streaming		Dual streams from H.264 and 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, Denoise, Metering					
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	1600 x 1200, 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					

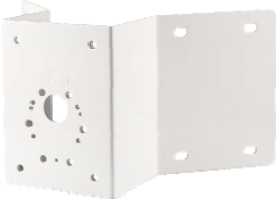| Network		
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Wireless LAN		IEEE 802.11 b/g/n
Antenna Type		External
Security		WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES)
Mechanical		
Temperature Detector		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 in)
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1 in
	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 (IEEE 802.3af)
Max. Power Consumption		9.5W
Dimensions (L X W X H)		75.5 x75 x 54 mm / 2.97 x 2.95 x 2.13 in (without lens)
Weight		300 g / 0.66 lb
Regulatory		CE, FCC, RCM, RoHS compliant
Power over Ethernet		
PoE Standard		PoE (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 iOS and Android
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
3. Specifications are subject to change without notice.
4. Mind the following when using an inserted 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

1. Box Camera
2. Terminal Block
3. Fixed Focal or Varifocal Megapixel Lens
4. Six Lens Rings
5. Video Out Wire
6. Camera Holder

7. Power Adapter
8. GV-IPCAM H.264 Quick Start Guide
9. GV-IPCAM H.264 Software DVD
10. GV-NVR Quick Start Guide
11. GV-NVR Software DVD

Note: The power adapter can be excluded upon request.

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"
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")	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"
GV-Housing101 `IP67` `IK10`	Housing Box (with heater and fan)	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
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.

Model No. Name	Details
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 (H x W x D): 15 x 15 x 155 (mm) / 0.59 x 0.59 x 6.10 (in) Supplied with mini USB to standard USB adapter.