

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

GV-BX2400-0F / 1F / 2F



GV-BX2400-3V / 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
- Memory Card Slot
- Mini USB slot for WiFi Adapter (Optional)
- Wide Dynamic Range Pro (WDR Pro)
- 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 conformant

* No Memory card slot & local storage function for Argentina.

Models

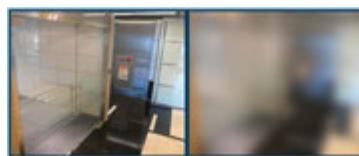
Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-BX2400-0F	Fixed	4 mm	F/1.5	1/3"
GV-BX2400-1F		8 mm	F/1.6	1/2.5"
GV-BX2400-2F		12 mm	F/1.6	1/2.5"
GV-BX2400-3V	DC drive	2.8 ~ 12 mm	F/1.4	1/3"
GV-BX2400-4V		3 ~ 10.5 mm	F/1.4	1/2.7"

Active Tampering Alarm

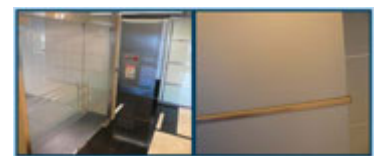
Tampered



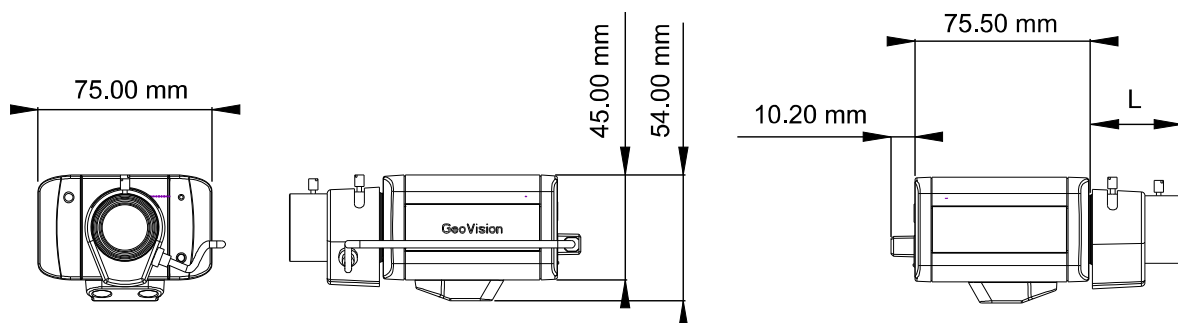
Focus Change



Camera Shift



Dimensions



Specifications

Camera		GV-BX2400-0F	GV-BX2400-1F	GV-BX2400-2F	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 at F/1.4				
	B/W	0.05 Lux at F/1.4				
	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 ~ 12 mm	3 ~ 10.5 mm
Maximum Aperture		F/1.5	F/1.6		F/1.4	
Mount		CS Mount				
Image Format		1/3"	1/2.5"		1/3"	1/2.7"
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
Audio Compression		G.711, AAC (24 kHz / 16 bit) *AAC (24 kHz / 16 bit) is only supported by GV-System V8.5.6 or later.
Two-way Audio		Yes
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
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF
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
	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)
Connectors	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1 in
	Auto Iris	Yes
	Local Storage	Micro SD / SDHC / SDXC memory card slot (for Class 6 card or above)
	TV-Out	BNC connector (640 x 480 resolution)
	Mini USB	Yes (for GV-WiFi Adapter)
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		9.5W
Dimensions (L X W X H)		75.5 x 75 x 54 mm / 2.97 x 2.95 x 2.13 in (without lens)
Weight		300 g / 0.66 lb
Regulatory		CE, FCC, C-Tick, 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
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:

- The signal range and data throughput may vary depending on the network conditions and environmental factors.
- Specifications are subject to change without notice.

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>

Name	Details
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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 (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.

Fixed Lens : 4 mm



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

Fixed Lens : 8 mm



Description	Megapixel day/ night lens
Focal Length	8 mm
Maximum Aperture	F/1.6
Mount	CS Mount
Image Format	1/2.5"
Operation	Focus: Manual Zoom: Fixed Iris: Fixed
Dimension	ø 30 x 19.6 mm / ø 1.18 x 0.77 in
Weight	27.7 g / 0.06 lb

Name		Details
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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.

Fixed Lens : 4 mm



Description	Megapixel day/ night lens
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Focal Length	4 mm
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Maximum Aperture	F/1.5
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Mount	CS Mount
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Image Format	1/3"
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	Focus: Manual
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Operation	Zoom: Fixed
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	Iris: Fixed
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Dimension	ø30 x 27 mm / ø1.18 x 1.06 in
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Weight	30 g / 0.07 lb
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Description	Megapixel day/ night lens
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Focal Length	8 mm
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Maximum Aperture	F/1.6
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Mount	CS Mount
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Image Format	1/2.5"
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	Focus: Manual
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Operation	Zoom: Fixed
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	Iris: Fixed
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Dimension	ø 30 x 19.6 mm / ø 1.18 x 0.77 in
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Weight	27.7 g / 0.06 lb
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Name		Details																
Fixed Lens : 12 mm		<table border="1"> <tr><td>Description</td><td>Megapixel day/ night lens</td></tr> <tr><td>Focal Length</td><td>12 mm</td></tr> <tr><td>Maximum Aperture</td><td>F/1.6</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 Zoom: Fixed Iris: Fixed</td></tr> <tr><td>Dimension</td><td>ø 30 x 20.6 mm / ø 1.18 x 0.81 in</td></tr> <tr><td>Weight</td><td>28.6 g / 0.06 lb</td></tr> </table>	Description	Megapixel day/ night lens	Focal Length	12 mm	Maximum Aperture	F/1.6	Mount	CS Mount	Image Format	1/2.5"	Operation	Focus: Manual Zoom: Fixed Iris: Fixed	Dimension	ø 30 x 20.6 mm / ø 1.18 x 0.81 in	Weight	28.6 g / 0.06 lb
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Varifocal Lens : 2.8 ~ 12 mm		<table border="1"> <tr><td>Description</td><td>Megapixel day/ night lens</td></tr> <tr><td>Focal Length</td><td>2.8 ~ 12 mm</td></tr> <tr><td>Maximum Aperture</td><td>F/1.4</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 (w/lock) Zoom: Manual (w/lock) Iris: DC Drive</td></tr> <tr><td>Dimension</td><td>ø 43 x 44 mm / ø 1.69 x 1.73 in</td></tr> <tr><td>Weight</td><td>72 g / 0.16 lb</td></tr> </table>	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
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Weight	72 g / 0.16 lb																	
Varifocal Lens : 3 ~ 10.5 mm		<table border="1"> <tr><td>Description</td><td>Megapixel day/ night lens</td></tr> <tr><td>Focal Length</td><td>3 ~ 10.5 mm</td></tr> <tr><td>Maximum Aperture</td><td>F/1.4</td></tr> <tr><td>Mount</td><td>CS Mount</td></tr> <tr><td>Image Format</td><td>1/2.7"</td></tr> <tr><td>Operation</td><td>Focus: Manual (w/lock) Zoom: Manual (w/lock) Iris: DC Drive</td></tr> <tr><td>Dimension</td><td>ø 43.5 x 44 mm / ø 1.71 x 1.73 in</td></tr> <tr><td>Weight</td><td>59.9 g / 0.13 lb</td></tr> </table>	Description	Megapixel day/ night lens	Focal Length	3 ~ 10.5 mm	Maximum Aperture	F/1.4	Mount	CS Mount	Image Format	1/2.7"	Operation	Focus: Manual (w/lock) Zoom: Manual (w/lock) Iris: DC Drive	Dimension	ø 43.5 x 44 mm / ø 1.71 x 1.73 in	Weight	59.9 g / 0.13 lb
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