

GV-BX3400 Series 3MP H.264 WDR Pro D/N Box IP Camera

GV-BX3400-0F / 1F / 2F



GV-BX3400-4V



GV-BX3400-5V



- 3 megapixel progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536, 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
BX3400-0F	Fixed	4 mm	F/1.5	1/3"
BX3400-1F		8 mm	F/1.6	1/2.5"
BX3400-2F		12 mm	F/1.4	1/2.7"
BX3400-4V	DC drive	3 ~ 10.5 mm	F/1.4	1/2.7"
BX3400-5V		2.8 ~ 12 mm	F/1.3	1/3"

Active Tampering Alarm

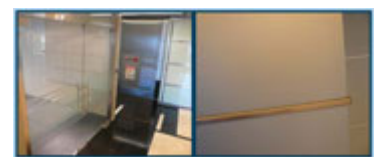
Tampered



Focus Change



Camera Shift

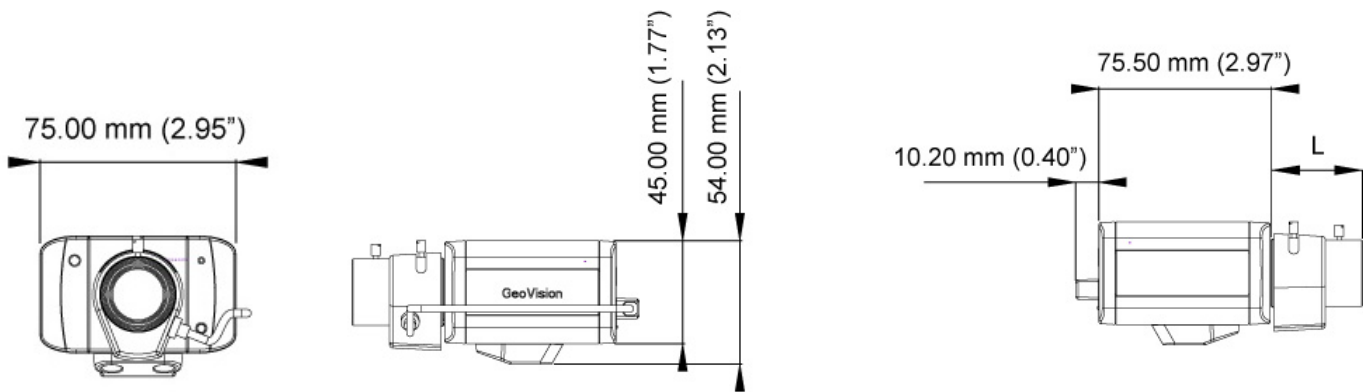


Overview

Panel



Dimensions



Model	L Length
BX3400-0F	15.7 mm (0.62")
BX3400-1F	15.7 mm (0.62")
BX3400-2F	15.7 mm (0.62")
BX3400-4V	37.1 mm (1.46")
BX3400-5V	46.9 mm (1.85")

Specifications





Camera	GV-BX3400-0F	GV-BX3400-1F	GV-BX3400-2F	GV-BX3400-4V	GV-BX3400-5V
Image Sensor	1/3.2" progressive scan CMOS				
Picture Elements	2048 (H) x 1536 (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	3 ~ 10.5 mm	2.8 ~ 6 mm
Maximum Aperture	F/1.5	F/1.6		F/1.4	F/1.3
Mount	CS Mount				
Image Format	1/3"	1/2.5"		1/2.7"	1/3"


Lens			
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		20 fps at 2048 x 1536 * 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	2048 x 1536, 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	
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	
	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") (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	


Web Interface	
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:**
1. The signal range and data throughput may vary depending on the network conditions and environmental factors.
 2. Specifications are subject to change without notice.

Accessories

Name	Details
GV-IR LED T2	 <p>Weight: 140 g (0.31 lb) Dimensions (H x W x D): 49 x 47 x 67 mm (1.93" x 1.85" x 2.64")</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")</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	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
GV-WiFi Adaptor	 <p>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") Supplied with mini USB to standard USB adapter.</p>

Name		Details																
Fixed Lens : 4 mm		<table border="1"> <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")</td></tr> <tr><td>Weight</td><td>30 g (0.07 lb)</td></tr> </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")	Weight	30 g (0.07 lb)
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Fixed Lens : 8 mm		<table border="1"> <tr><td>Description</td><td>Megapixel day/ night lens</td></tr> <tr><td>Focal Length</td><td>8 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 19.6 mm (ø 1.18" x 0.77")</td></tr> <tr><td>Weight</td><td>27.7 g (0.06 lb)</td></tr> </table>	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")	Weight	27.7 g (0.06 lb)
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")																	
Weight	27.7 g (0.06 lb)																	
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")</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")	Weight	28.6 g (0.06 lb)
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")																	
Weight	28.6 g (0.06 lb)																	

Name		Details
Varifocal Lens : 3 ~ 10.5 mm		Description Megapixel day/ night lens
		Focal Length 3 ~ 10.5 mm
		Maximum Aperture F/1.4
		Mount CS Mount
		Image Format 1/2.7"
		Focus: Manual (w/lock)
		Operation Zoom: Manual (w/lock) Iris: DC Drive
		Dimension ϕ 43.5 x 44 mm (ϕ 1.71" x 1.73")
		Weight 59.9 g (0.13 lb)
		Varifocal Lens : 2.8 ~ 6 mm
Focal Length 2.8 ~ 6 mm		
Maximum Aperture F/1.3		
Mount CS Mount		
Image Format 1/3"		
Focus: Manual (w/lock)		
Operation Zoom: Manual (w/lock) Iris: DC Drive		
Dimension ϕ 37.5 x 52.3 mm (ϕ 1.48" x 2.06")		
Weight 60 g (0.13 lb)		