GV-BX5700 Series 5MP H.265 Low Lux WDR D/N Box IP Camera

GV-BX5700-8F

GV-BX5700-3V

- 1/1.8'' progressive scan low lux CMOS
- Min. illumination at 0.03 lux
- Dual streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2592 x 1944
- P-Iris for auto iris adjustment
- Built-in / external microphone
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in micro SD card slot (SD/SDHC/SDXC/UHS-I) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- Mini USB slot for WiFi adapter or USB hard drive
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Smart streaming
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- 12V DC / 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.

* Smart streaming requires either GV-DVR / NVR V8.7.0.0 or GV-VMS V16.10.0.0.

Introduction

GV-BX5700 is a series of indoor IP cameras containing a varifocal and a fixed focal model. GV-BX5700 can support H.265 video codec to achieve better compression ratio while maintaining high picture quality at reduced network bandwidths. 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-BX5700-3V	P-Iris	3.6 ~ 10 mm	F/1.5	1/1.8"
GV-BX5700-8F	Fixed	2.95 mm	F/2.0	1/1.8''

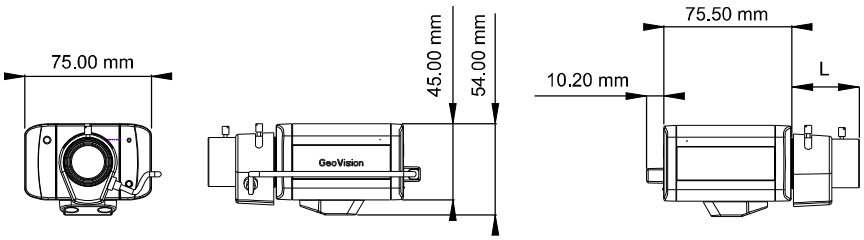
Active Tampering Alarm

Tampered

Focus Change

Camera Shift

Dimensions



Model	L Length
BX5700-3V	35.38 mm (1.39")
BX5700-8F	15.7 mm (0.62")

Specifications

Camera		GV-BX5700-8F	GV-BX5700-3V
Image Sensor		1/1.8" progressive scan low lux CMOS	
Picture Elements		2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.04 Lux	
	B/W	0.03 Lux	
	IR ON	0 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/6000 sec)	
White Balance		Automatic, Manual (2800 ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		50 dB	
WDR		Yes	
Dynamic Range		72 dB	
Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	Varifocal
Focal Length		2.95 mm	3.6 ~ 10 mm
Maximum Aperture		F/2.0	F/1.5
Mount		CS Mount	
Image Format		1/1.8"	
Horizontal FOV		120°	90° ~ 40°
Operation	Focus	Manual (w/lock)	Manual (w/lock)
	Zoom	Fixed	Manual (w/lock)
	Iris	N/A	P-Iris
Torque (Focus/Zoom screws)		0.049 N.m	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	
Frame Rate		50Hz: 25 fps at 2592 x 1944, 25 fps at 2592 x 1520 60Hz: 30 fps at 2592 x 1944, 30 fps at 2592 x 1520 * 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, Backlight Compensation, D/N Sensitivity, WDR, Defog, Low Lux Enhancement, Denoise, Metering	
Audio Compression		G.711	
Audio Support		Two-way audio	
Sensor Input		1 input (dry contact)	
Alarm Output		1 digital output (200 mA 5V DC)	
Video Resolution			
Main Stream	4:3	2592 x 1944 (default), 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480,	
	16:9	2592 x 1520, 2304 x 1296, 1920 x 1080, 1280 x 720, 640 x 360	
	5:4	1280 x 1024, 640 x 512	
Sub Stream	4:3	1024 x 768, 640 x 480 (default), 320 x 240	

	16:9	1280 x 720, 640 x 360, 448 x 256
	5:4	1280 x 1024, 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	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (built-in or external 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/SDXC/UHS-I, Class 10) *UHS-II card type is 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		
Environment Temperature	Start-up	0 °C ~ 50 °C (32 °F ~ 122 °F)
	Operation	
Humidity		10% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		12V DC, 4.37 W
Dimensions (without lens)		75.5 x75 x 54 mm (2.97'' x 2.95'' x 2.13'')
Weight		330 g (0.72 lb) / 350 g (0.77 lb)
Regulatory		CE, FCC, RCM, LVD, RoHS compliant
Power over Ethernet		
PoE Standard		PoE (IEEE 802.3af Power over Ethernet / PD)
PoE Power Supply Type		End-Span, Mid-Span
PoE Power Output		Per Port 48V DC, 350 mA, 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, Audio, Picture in Picture, Picture and Picture, Privacy Mask, 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-Backup Center, GV-VMS
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		IE, Mobile App
CMS Server support		GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

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:

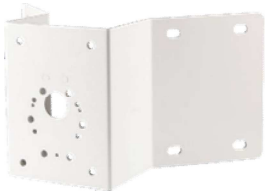
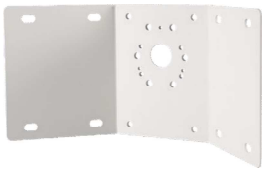
- Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
- The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
- Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
- 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.

5. To use the GV-Eye application, change the video codec setting to H.264 for the GV-IP CAM H.265 models.

Packing List

1. H.265 Box Camera
2. Terminal Block (2-Pin and 3-Pin)
3. Fixed Focal or Varifocal Megapixel Lens
4. Six Lens Rings (only for Varifocal Lens)
5. Video Out Wire
6. Camera Holder
7. Holder Screw x 2
8. GV-IPCAM Software DVD
9. GV-Software DVD
10. Warranty Card

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"

Model No. Name		Details
GV-Housing102 (not supported by GV-BX5700-8F) 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.
Power Adapter		Contact your sales representative for the countries and areas supported.
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.