GV-BX12201   12MP H.264 Low Lux WDR D/N Box IP Camera

- 1/1.7" progressive scan CMOS
- Dual streams from H.264 or MJPEG
- Up to 15 fps at 4000 x 3000, 30 fps at 3840 x 2160
- Built-in / external microphone
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Mini USB slot for WiFi Adapter
- Wide Dynamic Range (WDR)
- Low Lux Enhancement
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / 24V AC / 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.

Active Tampering Alarm

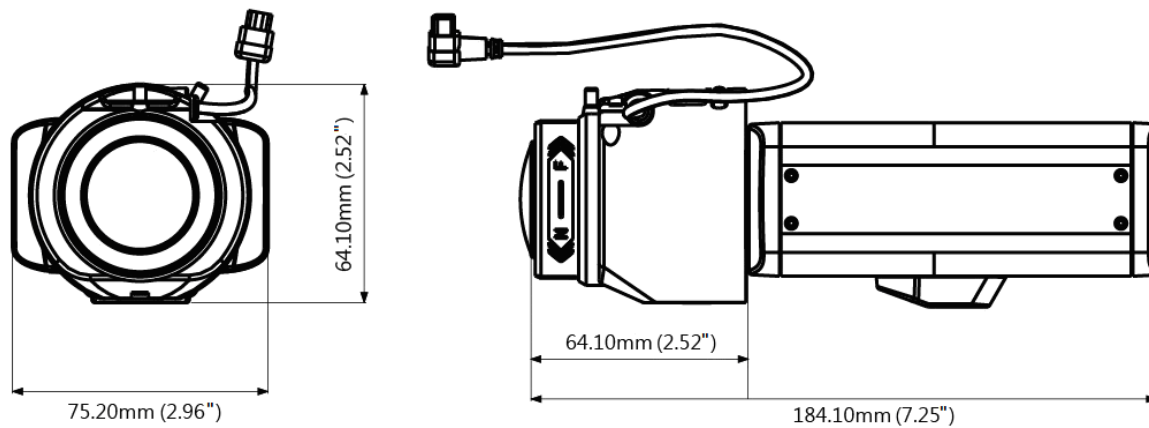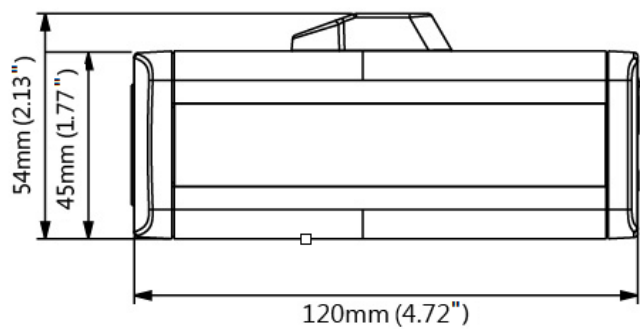| Tampered	Focus Change	Camera Shift

Introduction

The GV-BX12201 is a dual-stream, day/night indoor IP camera containing a varifocal lens. The camera is equipped with a progressive scan CMOS image sensor. The camera features a 12 MP resolution, and the increased pixel density allows the camera to capture scenes of greater details.

Dimensions

With Lens

64.10mm (2.52")

75.20mm (2.96")

64.10mm (2.52")

184.10mm (7.25")

Without Lens

54mm (2.13")

45mm (1.77")

120mm (4.72")

Specifications

PC Requirements		
CPU		Intel Core i5-4670, 3.40 GHz
Memory		DDR3 8 GB RAM
On Board Graphics		Intel HD Graphics 4600 (Versions of driver from year 2014 or later required)

Camera		
Image Sensor		1/1.7" progressive scan CMOS
Picture Elements		4000 (H) x 3000 (V)
Minimum Illumination	Color	0.1 Lux
	B/W	0.05 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/30 ~ 1/16000 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		Varifocal
Focal Length		4.1~ 9 mm
Maximum Aperture		F/1.6
Mount		CS Mount
Image Format		1/1.8"
Horizontal FOV		109° ~ 50°
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	DC drive
Torque (Focus/Zoom screws)		Focus: 0.05 N.m Zoom: 0.035 N.m

Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 or MJPEG
Frame Rate		15 fps at 4000 x 3000 30 fps at 3840 x 2160 * 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, Low Lux Enhancement
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	4000 x 3000, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960
	16:9	3840 x 2160, 1920 x 1080, 1280 x 720
	5:4	1280 x 1024
Sub Stream	4:3	1024 x 768, 640 x 480, 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		10/100/1000 Ethernet
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

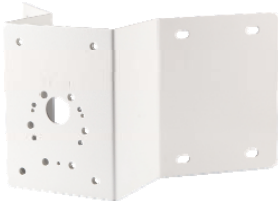|		
	Ethernet	RJ-45
	Audio	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1 in
	Auto Iris	Yes (with varifocal lens)
	Local Storage	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card types are not supported. ***Currently, the local storage function is not supported**.
	TV-Out	BNC connector (640 x 480 resolution)
	Mini USB	GV-WiFi Adapter or USB hard drive ***Currently, the connection to USB hard drive is not supported.**
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 / 24V AC / PoE (IEEE 802.3af)
Max. Power Consumption		6 W
Dimensions (L X W X H)		Without lens: 120 x 75.2 x 54 mm (4.72" x 2.96" x 2.13") With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")
Weight		545 g / 1.2 lb
Regulatory		CE, FCC, RCM, LVD, 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-System (GV-DVR/NVR), GV-Backup Center, GV-Recording Server, and GV-VMS
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		IE, mobile phone
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. 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.

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. Holder Screw x 2
8. Power Adapter
9. GV-IPCAM H.264 Software DVD
10. GV-NVR Software DVD
11. Warranty Card

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-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-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.
		- 6 -
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.