GV-UBX2301 Series 2MP H.264 WDR IR Ultra Box IP Camera



- 1/2.5” progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Removable IR-cut filter for Day/Night function
- Intelligent IR
- Megapixel lens
- Built-in micro SD card slot (SD/SDHC) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- DC 5V / PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR)
- 2D noise reduction
- Defog
- Two-way audio
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option – NAS

* No Memory Card Slot & local storage function for Argentina.

Introduction

The Ultra Box Camera is a lightweight camera designed for indoor usage. Equipped with IR-cut filter and built-in IR LEDs, the Ultra Box Camera provides excellent image quality. The camera supports PoE and can be installed intuitively. It is available in different focal lengths to best suit your needs.

Models

Model	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-UBX2301-0F	Fixed	2.8	F/2.0	1/3’’
GV-UBX2301-1F		4	F/1.6	
GV-UBX2301-2F		8	F/1.6	

Active Tampering Alarm

Tampered



Focus Change



Camera Shift

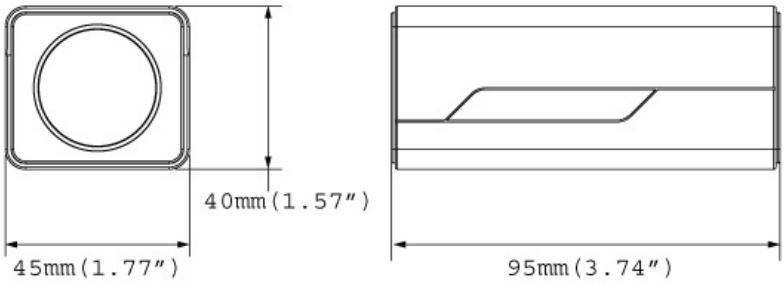


Overview

- **Panel**



- **Dimensions**



Specifications

Camera		GV-UBX2301-0F	GV-UBX2301-1F	GV-UBX2301-2F
Image Sensor		1/2.5" progressive scan CMOS		
Picture Elements		1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.15 Lux		
	B/W	0.10 Lux		
	IR ON	0 Lux		
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)		
White Balance		Automatic, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
S/N Ratio		50 dB		
BLC		Yes		
Lens				
Megapixel		Yes		
Focal Length		2.8 mm	4 mm	8 mm
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Fixed		
Maximum Aperture		F/2.0	F/1.6	F/1.6
Mount		M12, Pitch 0.5 mm		
Image Format		1/3"		
Horizontal FOV		79°	58°	31°
Operation	Focus	Fixed		
	Zoom			
	Iris			
IR LED Quantity		4 IR LEDs		
Max. IR Distance		10 m (32.81 ft)		
Operation				
Video Compression		H.264, MJPEG		
Video Stream		Dual streams from H.264 and MJPEG		
Frame Rate		30 fps at 1920 x 1080 (60/50 Hz) *The frame rate and the 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
Audio Support		Two-Way Audio
Video Resolution		
Main Stream	4 : 3	1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16 : 9	1920 x 1080 (Default), 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 (Default)
	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, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical		
Temperature Detector		Yes
Connectors	Power	2-pin terminal block (DC 5V, 3A), PoE
	Ethernet	RJ-45
	Audio	1 In (built-in microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14'')
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
LED Indicator		2 LEDs: Power, Status
General		
Environment Temperature		0°C ~ 40°C (32 °F ~ 104 °F)
Humidity		10% to 90% (no condensation)
Power Source		5V DC / PoE (IEEE 802.3af)
Max. Power Consumption		6.5 W
Dimensions		95 x 45 x 40 mm (3.7” x 1.8” x 1.6”)
Weight		120 g (0.26 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, Audio, Picture in Picture, Picture and Picture, Privacy Mask, 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
Application		
Network Storage		GV-DVR/NVR/VMS, 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-Vital Sign Monitor

Note:

1. 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.
   - 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.

2. Specifications are subject to change without notice.

Packing List

1. Ultra Box Camera
2. Supporting rack
3. Screw x 3
4. Screw anchor x 3
5. Power Adapter
6. Download Guide
7. Warranty Card

Note: The power adapter can be excluded upon request.

Accessories

Model No.	Name		Details
GV-PA191	PoE Adapter		The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
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.
Power Adapter			Contact our sales representatives for the countries and areas supported.