

## GV-UBX3301 Series 3MP H.264 WDR IR Ultra Box IP Camera



- 1/2.5" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536
- 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-UBX3301-0F	Fixed	2.8	F/2.0	1/3"
GV-UBX3301-1F		4	F/1.6	
GV-UBX3301-2F		8	F/1.6	

### Active Tampering Alarm

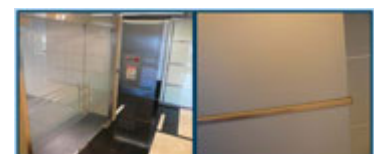
Tampered



Focus Change



Camera Shift

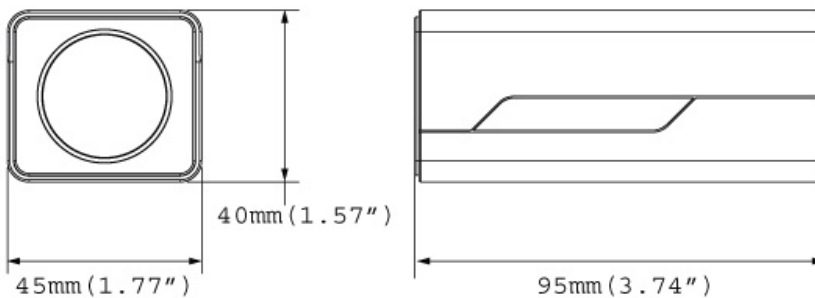


## Overview

- Panel



- Dimensions



## Specifications

Camera	GV-UBX3301-0F	GV-UBX3301-1F	GV-UBX3301-2F
Image Sensor	1/2.5" progressive scan CMOS		
Picture Elements	2048 (H) x 1536 (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		
<b>Lens</b>			
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	80°	62°	33°
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
IR LED Quantity	4 IR LEDs		
Max. IR Distance	10 m (32.81 ft)		
<b>Operation</b>			
Video Compression	H.264, MJPEG		
Video Stream	Dual streams from H.264 and MJPEG		
Frame Rate	20 fps at 2048 x 1536 (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, AAC (optional)	
Audio Support	Two-Way Audio	
<b>Video Resolution</b>		
Main Stream	4 : 3	2048 x 1536 (Default), 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 (Default)
	16 : 9	640 x 360, 448 x 252
	5 : 4	640 x 512, 320 x 256
<b>Network</b>		
Interface	10/100 Ethernet	
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, SNMP, QoS (DSCP), ONVIF (Profile S)	
<b>Mechanical</b>		
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, 0.35 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	
<b>General</b>		
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	
<b>Power over Ethernet</b>		
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	
<b>Web Interface</b>		
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, 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	
<b>Application</b>		
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:**

- 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    | 5. Power Adapter  |
| 2. Supporting rack x 1 | 6. Download Guide |
| 3. Screw x 3           | 7. Warranty Card  |
| 4. Screw anchor x 3    |                   |

**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.