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## Box Camera Specifications (Part 1)

| | | GV-BX120D Varifocal Lens | GV-BX140DW Varifocal Lens | GV-BX130D Series Fixed Lens | GV-BX130D Series Varifocal Lens | GV-BX220D Series Varifocal Lens | GV-BX320D Series Varifocal Lens | GV-BX520D Varifocal Lens |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| **Camera** | | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/3" progressive scan CMOS | 1/2.5" progressive scan CMOS | | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1280 (H) x 720 (V) | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.2 Lux | 0.15 Lux | | | | |
| | **B/W** | 0.03 Lux | 0.08 Lux | 0.10 Lux | | | | |
| | **IR ON** | 0 Lux | | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/4000 sec) | Auto | Auto, Manual (1/5 ~ 1/8000 sec) | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | | |
| **Gain Control** | | Automatic | | | | | | |
| **S/N Ratio** | | 50 dB | 47 dB | 45 dB | | | | |
| **WDR Pro (with WDR sensor)** | | N/A | Yes | N/A | | | | |
| **Operation** | | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | | |
| **Video Streaming** | | Dual streams | | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1280 x 720 | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | | | | |
| **Sensor Input** | | 1 input (Dry Contact) | | | | | | |
| **Alarm Output** | | 1 Digital Output (200mA 5V DC) | | | | | | |
| **Optical Lens** | | | | | | | | |
| **Megapixel** | | Yes | | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | | |
| **Lens Type** | | Varifocal Lens | | Fixed Lens | Varifocal Lens | | | |
| **Focal Length** | | 2.8 ~ 12 mm | | 4.0 mm | 2.8 ~ 12 mm | GV-BX220D-2: 2.8 ~ 6 mm<br>GV-BX220D-3: 2.8 ~ 12 mm | GV-BX320D-0: 3.1 ~ 8 mm<br>GV-BX320D-1: 2.8 ~ 6 mm | 4.5 ~ 10 mm |
| **Maximum Aperture** | | F/1.4 | | F/1.5 | F/1.4 | GV-BX220D-2: F/1.3<br>GV-BX220D-3: F/1.4 | GV-BX320D-0: F/1.2<br>GV-BX320D-1: F/1.3 | F/1.6 |
| **Mount** | | CS Mount | | | | | | |
| **Image Format** | | 1/3" | | | | | | 1/2" |
| **Operation** | **Focus** | Manual (w/lock) | | | | | | |
| | **Zoom** | Manual (w/lock) | | Fixed | Manual (w/lock) | | | |
| | **Iris** | DC drive | Fixed | Fixed | DC drive | | | Manual(w/lock) |
| **Mechanical** | | | | | | | | |
| **Temperature Detector** | | Yes | | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | | |
| | **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** | DC drive | Not functional | DC drive | | | | Not functional |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | | | | |
| **General** | | | | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | | |
| **Power Source** | | 12V DC / PoE(IEEE802.3af) | | | | | | |
| **Max. Power Consumption** | | 7 W | | | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | | | |
| **Dimensions (L X W X H) (Without lens)** | | 75.5 x 75 x 54 mm (2.97'' x 2.95'' x 2.13'') | | | | | | |
| **Weight** | | 321 g (0.71 lb) | | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Box Camera Specifications (Part 2)

| | | GV-BX1200 Series | | GV-BX1300 Series | | GV-BX2400 Series | | GV-BX3400 Series | |
|---|---|---|---|---|---|---|---|---|---|
| | | GV-BX1200-0F ~2F | GV-BX1200-3V | GV-BX1300-0F ~2F | GV-BX1300-3V | GV-BX2400-0F ~2F<br>GV-BX2400-8F | GV-BX2400-3V~4V | GV-BX3400-0F ~2F<br>GV-BX3400-8F | GV-BX3400-4V~5V |
| | | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens |
| | | | | | | | | | |
| **Camera** | | | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | | 1/2.5" progressive scan CMOS | | 1/3.2" progressive scan CMOS | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) | |
| **Minimum Illumination** | **Color** | 0.05 Lux | | 0.15 Lux | | 0.08 Lux | | | |
| | **B/W** | 0.03 Lux | | 0.10 Lux | | 0.05 Lux | | | |
| | **IR ON** | 0 Lux | | | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | | | |
| **Gain Control** | | Automatic | | | | | | | |
| **S/N Ratio** | | 50 dB | | 45 dB | | 47 dB | | | |
| **WDR Pro (with WDR Sensor)** | | N/A | | | | Yes | | | |
| **Operation** | | | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | | | |
| **Video Streaming** | | Dual streams | | | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536<br>30 fps at 1920 x 1080 | |
| **Audio Compression** | | G.711, AAC (optional) | | | | | | | |
| **Sensor Input** | | 1 input (Dry Contact) | | | | | | | |
| **Alarm Output** | | 1 Digital Output (200mA 5V DC) | | | | | | | |
| **Optical Lens** | | | | | | | | | |
| **Megapixel** | | Yes | | | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | | | |
| **Lens Type** | | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens |
| **Focal Length** | | BX1200-0F: 4 mm<br>BX1200-1F: 8 mm<br>BX1200-2F: 12 mm | 2.8 ~ 12 mm | BX1300-0F: 4 mm<br>BX1300-1F: 8 mm<br>BX1300-2F: 12 mm | 2.8 ~ 12 mm | BX2400-0F: 4 mm<br>BX2400-1F: 8 mm<br>BX2400-2 F: 12 mm<br>BX2400-8F: 2.8 mm | BX2400-3V: 2.8 ~ 12 mm<br>BX2400-4V: 3 ~ 10.5 mm | BX3400-0F: 4 mm<br>BX3400-1F: 8 mm<br>BX3400-2F: 12 mm<br>BX3400-8F: 2.8 mm | BX3400-4V: 3 ~ 10.5 mm<br>BX3400-5V: 2.8 ~ 6 mm |
| **Maximum Aperture** | | BX1200-0F: F/1.5<br>BX1200-1F: F/1.6<br>BX1200-2F: F/1.6 | F/1.4 | BX1300-0F: F/1.5<br>BX1300-1F: F/1.6<br>BX1300-2F: F/1.6 | F/1.4 | BX2400-0F: F/1.5<br>BX2400-1F: F/1.6<br>BX2400-2F: F/1.6<br>BX2400-8F: F/1.8 | BX2400-3V: F/1.4<br>BX2400-4V: F/1.4 | BX3400-0F: F/1.5<br>BX3400-1F: F/1.6<br>BX3400-2F: F/1.6<br>BX3400-8F: F/1.8 | BX3400-4V: F/1.4<br>BX3400-5V: F/1.3 |
| **Mount** | | CS Mount | | | | | | | |
| **Image Format** | | BX1200-0F: 1/3''<br>BX1200-1F: 1/2.5''<br>BX1200-2F: 1/2.5'' | 1/2.7'' | BX1300-0F: 1/3''<br>BX1300-1F: 1/2.5''<br>BX1300-2F: 1/2.5'' | 1/2.7'' | BX2400-0F: 1/3''<br>BX2400-1F: 1/2.5''<br>BX2400-2F: 1/2.5''<br>BX2400-8F: 1/2.5'' | BX2400-3V: 1/2.7''<br>BX2400-4V: 1/2.7'' | BX3400-0F: 1/3''<br>BX3400-1F: 1/2.5''<br>BX3400-2F: 1/2.5''<br>BX3400-8F: 1/2.5'' | BX3400-4V: 1/2.7''<br>BX3400-5V: 1/3'' |
| **Horizontal FOV** | | BX1200-0F: 63°<br>BX1200-1F: 36°<br>BX1200-2F: 23° | 87° ~ 31° | BX1300-0F: 49°<br>BX1300-1F: 26°<br>BX1300-2F: 17° | 64° ~ 23° | BX2400-0F: 58°<br>BX2400-1F: 32°<br>BX2400-2F: 21°<br>BX2400-8F: 83° | BX2400-3V: 77° ~ 28°<br>BX2400-4V: 73° ~ 27° | BX3400-0F: 61°<br>BX3400-1F: 35°<br>BX3400-2F: 23°<br>BX3400-8F: 88° | BX3400-4V: 78° ~ 28°<br>BX3400-5V: 94° ~ 45° |
| **Operation** | **Focus** | manual w/lock | | | | | | | |
| | **Zoom** | Fixed | Manual (w/lock) | Fixed | Manual (w/lock) | Fixed | Manual (w/lock) | Fixed | Manual (w/lock) |
| | **Iris** | Fixed | DC drive | Fixed | DC drive | Fixed | DC drive | Fixed | DC drive |
| **Mechanical** | | | | | | | | | |
| **Temperature Detector** | | Yes | | | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | | | |
| | **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** | Not functional | Yes | Not functional | Yes | Not functional | Yes | Not functional | Yes |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are 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** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | | | |
| **Power Source** | | 12V DC / PoE (IEEE802.3af Class 3) | | | | | | | |
| **Max. Power Consumption** | | 9.5 W | | | | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | | | | |
| **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) | | | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rat and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480.
5. 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.

## Box Camera Specifications (Part 3)

| | | GV-BX1500 Series | | GV-BX2500 Series | | GV-BX5300 Series | |
|---|---|---|---|---|---|---|---|
| | | GV-BX1500-0F ~ 2F<br>GV-BX1500-8F | GV-BX1500-3V | GV-BX2500-0F ~ 2F<br>GV-BX2500-8F | GV-BX2500-3V | GV-BX5300-8F | GV-BX5300-6V |
| | | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens | Fixed Lens | Varifocal Lens |
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan super low lux CMOS | | 1/2.8'' progressive scan super low lux CMOS | | 1/2.5" progressive scan CMOS | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2560 (H) x 1920 (V) | |
| **Minimum Illumination** | **Color** | 0.01 Lux | | 0.02 Lux | | 0.15 Lux | |
| | **B/W** | 0.01 Lux | | 0.02 Lux | | 0.10 Lux | |
| | **IR ON** | 0 Lux | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | |
| **Gain Control** | | Automatic | | | | | |
| **S/N Ratio** | | 55 dB | | 52 dB | | 45 dB | |
| **WDR Pro** | | N/A | | N/A | | N/A | |
| **Operation** | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | |
| **Video Streaming** | | Dual streams | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | 10 fps at2560 x 1920 | |
| **Audio Compression** | | G.711, AAC (optional) | | | | | |
| **Sensor Input** | | 1 input (Dry Contact) | | | | | |
| **Alarm Output** | | 1 Digital Output (200mA 5V DC) | | | | | |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | Yes | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | |
| **Lens Type** | | Fixed | Varifocal Lens | Fixed | Varifocal Lens | Fixed | Varifocal Lens |
| **Focal Length** | | BX1500-0F: 4 mm<br>BX1500-1F: 8 mm<br>BX1500-2F: 12 mm<br>BX1500-8F: 2.8 mm | 2.8 ~ 12 mm | BX2500-0F: 4 mm<br>BX2500-1F: 8 mm<br>BX2500-2F: 12 mm<br>BX2500-8F: 2.8 mm | 2.8 ~ 12 mm | 2.8 mm | 4.5 ~ 10 mm |
| **Maximum Aperture** | | BX1500-0F: F/1.5<br>BX1500-1F: F/1.6<br>BX1500-2F: F/1.6<br>BX1500-8F: F/1.8 | F/1.4 | BX2500-0F: F/1.5<br>BX2500-1F: F/1.6<br>BX2500-2F: F/1.6<br>BX2500-8F: F/1.8 | F/1.4 | F/1.8 | F/1.6 |
| **Mount** | | CS Mount | | | | | |
| **Image Format** | | BX1500-0F: 1/3''<br>BX1500-1F: 1/2.5''<br>BX1500-2F: 1/2.5''<br>BX1500-8F: 1/2.5'' | 1/2.7'' | BX2500-0F: 1/3''<br>BX2500-1F: 1/2.5''<br>BX2500-2F: 1/2.5''<br>BX2500-8F: 1/2.5'' | 1/2.7'' | 1/2.5'' | 1/2" |
| **Horizontal FOV** | | BX1500-0F: 63°<br>BX1500-1F: 36°<br>BX1500-2F: 23°<br>BX1500-8F: 90° | 86° ~ 31° | BX2500-0F: 72°<br>BX2500-1F: 40°<br>BX2500-2F: 25°<br>BX2500-8F: 107° | 105° ~ 36° | 112° | 70° ~ 34° |
| **Operation** | **Focus** | Manual w/lock | | | | | |
| | **Zoom** | Fixed | Manual (w/lock) | Fixed | Manual (w/lock) | Fixed | Manual (w/lock) |
| | **Iris** | Fixed | DC drive | Fixed | DC drive | Fixed | Manual (w/lock) |
| **Mechanical** | | | | | | | |
| **Temperature Detector** | | Yes | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), Ethernet (10/100 Base-T),RJ-45 connector | | | | | |
| | **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** | Not functional | Yes | Not functional | Yes | Not functional | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are 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** | | 0°C ~ 50°C (32 °F ~ 122 °F) | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | |
| **Power Source** | | 12V DC / PoE (IEEE802.3af Class 3) | | | | | |
| **Max. Power Consumption** | | 9.5 W | | 7.99 W | | 9.5 W | |
| **Regulatory** | | CE, FCC, RCM, RoHS compliant | | CE, FCC, RCM, RoHS compliant | | CE, FCC, C-Tick, RoHS compliant | |
| **Dimensions (L X W X H) (Without lens)** | | 75.5 x 75 x 54 mm (2.97'' x 2.95'' x 2.13'') | | | | | |
| **Weight** | | 300 g (0.66 lb) | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rat and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video
5. 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

## Ultra Box Camera Specifications

| | | GV-UBX1301 Series | | GV- UBX2301 Series | | GV- UBX3301 Series | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | 1/2.5" progressive scan CMOS | | | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) | |
| **Minimum Illumination** | **Color** | 0.15 Lux | | | | | |
| | **B/W** | 0.10 Lux | | | | | |
| | **IR ON** | 0 Lux | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | |
| **Gain Control** | | Automatic | | | | | |
| **S/N Ratio** | | 45dB | | | | | |
| **Operation** | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | |
| **Video Streaming** | | Dual streams | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 | |
| **Audio Compression** | | G.711, AAC (optional) | | | | | |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | Yes | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | |
| **Lens Type** | | Fixed | | | | | |
| **Focal Length** | | GV-UBX1301-0F | 2.8 mm | GV-UBX2301-0F | 2.8 mm | GV-UBX3301-0F | 2.8 mm |
| | | GV-UBX1301-1F | 4 mm | GV-UBX2301-1F | 4 mm | GV-UBX3301-1F | 4 mm |
| | | GV-UBX1301-2F | 8 mm | GV-UBX2301-2F | 8 mm | GV-UBX3301-2F | 8 mm |
| **Maximum Aperture** | | GV-UBX1301-0F | F/2.0 | GV-UBX2301-0F | F/2.0 | GV-UBX3301-0F | F/2.0 |
| | | GV-UBX1301-1F | F/1.6 | GV-UBX2301-1F | F/1.6 | GV-UBX3301-1F | F/1.6 |
| | | GV-UBX1301-2F | | GV-UBX2301-2F | | GV-UBX3301-2F | |
| **Mount** | | M12, Pitch 0.5 mm | | | | | |
| **Image Format** | | 1/3" | | | | | |
| **Horizontal FOV** | | GV-UBX1301-0F | 69° | GV-UBX2301-0F | 79° | GV-UBX3301-0F | 80° |
| | | GV-UBX1301-1F | 49° | GV-UBX2301-1F | 58° | GV-UBX3301-1F | 62° |
| | | GV-UBX1301-2F | 25° | GV-UBX2301-2F | 31° | GV-UBX3301-2F | 33° |
| **Operation** | **Focus** | Fixed | | | | | |
| | **Zoom** | | | | | | |
| | **Iris** | | | | | | |
| **IR LED Quantity** | | 4 | | | | | |
| **Max. IR Distance** | | 10 m (32.81 ft) | | | | | |
| **Mechanical** | | | | | | | |
| **Temperature Detector** | | Yes | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | |
| | **Audio** | 1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14'') | | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*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 | | | | | |
| **Max. Power Consumption** | | 6.5 W | | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | | |
| **Dimensions (L X W X H) (Without lens)** | | 95 x 45 x 40 mm (3.7'' x 1.8'' x 1.6'') | | | | | |
| **Weight** | | 120 g (0.26 lb) | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

# IR Arctic Box Camera Specifications (Part 1)

| | | GV-BX120D-E | GV-BX220D-E | GV-BX320D-E | GV-BX520D-E |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5" progressive scan CMOS | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | | |
| | **B/W** | 0.03 Lux | 0.10 Lux | | |
| | **IR ON** | 0 Lux | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 50 dB | 45 dB | | |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 10 fps at2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | |
| **Lens Type** | | Varifocal Lens | | | |
| **Focal Length** | | 2.8 ~ 12 mm | 2.8 ~ 6 mm | | 4.5 ~ 10 mm |
| **Maximum Aperture** | | F/1.4 | F/1.3 | | F/1.6 |
| **Mount** | | CS Mount | | | |
| **Image Format** | | 1/3” | | | 1/2” |
| **Operation** | **Focus** | Manual (w/lock) | | | |
| | **Zoom** | Manual (w/lock) | | | |
| | **Iris** | DC drive | | | Manual (w/lock) |
| **IR LED Quantity** | | 4 IR LEDs | | | |
| **Max. IR Distance** | | 15 m (50 ft) | | | |
| **Mechanical** | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 330° | | | |
| | **Tilt** | 0° ~ 90° | | | |
| | **Rotate** | No | | | |
| **Temperature Detector** | | Yes | | | |
| **Connectors** | **Power** | PoE | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | 1 In (external microphone)<br>1 Out (Stereo phone jack, 3.5 mm / 0.14’’) | | | |
| | **Auto Iris** | DC drive | | | Not functional |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | |
| **LED Indicator** | | 1 LED: Status | | | |
| **General** | | | | | |
| **Environment Temperature** | | -40 °C ~ 50 °C (-40 °F ~ 122 °F) | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | PoE (IEEE 802.3 at) | | | |
| **Max. Power Consumption** | | 24 W | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | |
| **Dimensions (L X W X H) (Without lens)** | | 100.5 x 100.5 x 317.5 mm (3.96’’ x 3.96’’ x 12.5’’) | | | |
| **Weight** | | 3.2 Kg (7.1 lb) | | | |
| **Ingress Protection** | | IP67 | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | |
| **Heater On** | | -40°C ~ 8°C (-40°F ~ 46.4°F) | | | |
| **Fan** | | Constantly on | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## IR Arctic Box Camera Specifications (Part 2)

| | | GV-BX1500-E | GV-BX2400-E | GV-BX3400-E | GV-BX5300-E |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/3" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.01 Lux | 0.08 Lux | | 0.15 Lux |
| | **B/W** | 0.01 Lux | 0.05 Lux | | 0.10 Lux |
| | **IR ON** | 0 Lux | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 55 dB | 47 dB | | 45 dB |
| **WDR Pro (with WDR Sensor)** | | N/A | Yes | | N/A |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 10 fps at2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | |
| **Lens Type** | | Varifocal Lens | | | |
| **Focal Length** | | 3 ~ 10.5 mm | | | 4.5 ~ 10 mm |
| **Maximum Aperture** | | F/1.4 | | | F/1.6 |
| **Mount** | | CS Mount | | | |
| **Image Format** | | 1/2.7" | | | 1/2" |
| **Horizontal FOV** | | 81° ~ 29° | 73° ~ 27° | 78° ~ 28° | 70° ~ 34° |
| **Operation** | **Focus** | Manual (w/lock) | | | |
| | **Zoom** | Manual (w/lock) | | | |
| | **Iris** | DC drive | | | Manual (w/lock) |
| **IR LED Quantity** | | 4 IR LEDs | | | |
| **Max. IR Distance** | | 15 m (50 ft) | | | |
| **Mechanical** | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 330° | | | |
| | **Tilt** | 0° ~ 90° | | | |
| | **Rotate** | No | | | |
| **Temperature Detector** | | Yes | | | |
| **Connectors** | **Power** | PoE | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | 1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14'') | | | |
| | **Auto Iris** | DC drive | | | Not functional |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | |
| **General** | | | | | |
| **Environment Temperature** | **Start-up** | -30 °C ~ 50 °C (-22°F ~ 122°F) | | | |
| | **Operation** | -40 °C ~ 50 °C (-40°F ~ 122°F) | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | PoE (IEEE 802.3 at) | | | |
| **Max. Power Consumption** | | 20 W | 23 W | | 21.6 W |
| **Regulatory** | | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | | |
| **Dimensions (L X W X H) (Without lens)** | | 100.5 x 100.5 x 317.5 mm (3.96'' x 3.96'' x 12.5'') | | | |
| **Weight** | | 3.2 Kg (7.1 lb) | | | |
| **Ingress Protection** | | IP67 | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | |
| **Heater On** | | -40°C ~ 8°C (-40°F ~ 46.4°F) | | | |
| **Fan** | | Constantly on | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Bullet Camera Specifications (Part 1)

| | | GV-BL120D | GV-BL130D | GV-BL220D | GV-BL320D |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5" progressive scan CMOS | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | | |
| | **B/W** | 0.03 Lux | 0.10 Lux | | |
| | **IR ON** | 0 Lux | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 50 dB | 45 dB | | |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Sensor Input** | | 1 input (Dry Contact) | | | |
| **Alarm Output** | | 1 digital output (200mA 5V DC) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | |
| **Lens Type** | | Varifocal Lens | | | |
| **Focal Length** | | 3 ~ 9 mm | | | |
| **Maximum Aperture** | | F/1.2 | | | |
| **Mount** | | Ø14 mm | | | |
| **Image Format** | | 1/2.7" | | | |
| **Operation** | **Focus** | Manual (w/lock) | | | |
| | **Zoom** | Manual (w/lock) | | | |
| | **Iris** | DC drive | | | |
| **IR LED Quantity** | | 16 IR LEDs | | | |
| **Max. IR Distance** | | 15 m (50 ft) | | | |
| **Mechanical** | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 360° | | | |
| | **Tilt** | 90° ~ 180° | | | |
| | **Rotate** | 0° ~ 360° | | | |
| **Temperature Detector** | | Yes | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | 1 In (RCA female for microphone); 1 Out (RCA female for speaker) | | | |
| | **Digital I/O** | I/O Wire | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | |
| **General** | | | | | |
| **Environment Temperature** | | -20 °C ~ 50 °C (-4 °F ~ 122 °F) | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | |
| **Max. Power Consumption** | | 12W | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | |
| **Dimensions** | **Camera Body** | 277.5 x 87.75 x 148.95 mm (10.9'' x 3.45'' x 5.86'') | | | |
| | **Cable Length** | 1 m (3.28 ft) | | | |
| | **Max. Cable Diameter** | ø 7.1 mm (0.28'') | | | |
| | **Max. Connector Diameter** | ø 25.2 mm (0.99'') | | | |
| **Weight** | | 1.35 kg (2.98 lb) | | | |
| **Ingress Protection** | | IP66 | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Bullet Camera Specifications (Part 2)

| | | GV-BL1200 | GV-BL1300 | GV-BL1500 | GV-BL2400 | GV-BL2500 | GV-BL3400 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5" progressive scan CMOS | 1/3'' progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux |
| | **B/W** | 0.03 Lux | 0.10 Lux | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux |
| | **IR ON** | 0 Lux | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000sec) | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | |
| **Gain Control** | | Automatic | | | | | |
| **S/N Ratio** | | 50 dB | 45 dB | 55 dB | 47 dB | 52 dB | 47 dB |
| **WDR Pro (with WDR sensor)** | | N/A | | N/A | Yes | N/A | Yes |
| **Operation** | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | |
| **Video Streaming** | | Dual streams | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 |
| **Audio Compression** | | G.711, AAC (optional) | | | | | |
| **Sensor Input** | | 1 input (Dry Contact) | | | | | |
| **Alarm Output** | | 1 digital output (200mA 5V DC) | | | | | |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | Yes | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | |
| **Lens Type** | | Varifocal Lens | | | | | |
| **Focal Length** | | 3 ~ 9 mm | | | | | |
| **Maximum Aperture** | | F/1.2 | | | | | |
| **Mount** | | Ø14 mm | | | | | |
| **Image Format** | | 1/2.7" | | | | | |
| **Horizontal FOV** | | 86° ~ 32° | 60° ~ 23° | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° |
| **Operation** | **Focus** | Manual (w/lock) | | | | | |
| | **Zoom** | Manual (w/lock) | | | | | |
| | **Iris** | DC drive | | | | | |
| **IR LED Quantity** | | 16 IR LEDs | | | | | |
| **Max. IR Distance** | | 40 m (131 ft) | | 70 m (230 ft) | 50 m (164 ft) | | |
| **Mechanical** | | | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 360° | | | | | |
| | **Tilt** | 90° ~ 180° | | | | | |
| | **Rotate** | 0° ~ 360° | | | | | |
| **Temperature Detector** | | Yes | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | |
| | **Audio** | 1 In (RCA female for microphone); 1 Out (RCA female for speaker) | | | | | |
| | **Digital I/O** | I/O Wire | | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | | |
| **General** | | | | | | | |
| **Environment Temperature** | | -30 °C ~ 50 °C (-22 °F ~ 122 °F) | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | | |
| **Max. Power Consumption** | | 6.72 W | | 7.68 W | 7.2 W | 8 W | 7.2 W |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant |
| **Dimensions** | **Camera Body** | 277.5 x 87.75 x 148.95 mm (10.9'' x 3.45'' x 5.86'') | | | | | |
| | **Cable Length** | 1 m (3.28 ft) | | | | | |
| | **Max. Cable Diameter** | ø 7.1 mm (0.28'') | | | | | |
| | **Max. Connector Diameter** | ø 25.2 mm (0.99'') | | | | | |
| **Weight** | | 1.35 kg (2.98 lb) | | 1.4 Kg (3.08 lb) | 1.35 kg (2.98 lb) | 1.4 Kg (3.08 lb) | 1.35 kg (2.98 lb) |
| **Ingress Protection** | | IP67 | | | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Bullet Camera Specifications (Part 3)

| | | GV-BL1210 | GV-BL1510 (Coming) | GV-BL2410 | GV-BL2510 | GV-BL3410 | GV-BL5310 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/3'' progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux | 0.15 Lux |
| | **B/W** | 0.03 Lux | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux | 0.10 Lux |
| | **IR ON** | 0 Lux | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000sec) | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | |
| **Gain Control** | | Automatic | | | | | |
| **S/N Ratio** | | 50 dB | 55 dB | 47 dB | 52 dB | 47 dB | 45 dB |
| **WDR Pro (with WDR sensor)** | | N/A | | Yes | N/A | Yes | N/A |
| **Operation** | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | |
| **Video Streaming** | | Dual streams | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | | | |
| **Sensor Input** | | 1 input (Dry Contact) | | | | | |
| **Alarm Output** | | 1 digital output (200mA 5V DC) | | | | | |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | Yes | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | |
| **Lens Type** | | Motorized Varifocal Lens | | | | | |
| **Focal Length** | | 3 ~ 9 mm | | | | | 4.5 ~ 9 mm |
| **Maximum Aperture** | | F/1.2 | | | | | |
| **Mount** | | Ø14 mm | | | | | |
| **Image Format** | | 1/2.7" | | | | | |
| **Horizontal FOV** | | 86° ~ 32° | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° | 70° ~ 39° |
| **Operation** | **Focus** | Auto Focus | | | | | |
| | **Zoom** | 3X Optical Zoom | | | | | 2X Optical Zoom |
| | **Iris** | DC drive | | | | | |
| **IR LED Quantity** | | 16 IR LEDs | | | | | |
| **Max. IR Distance** | | 40 m (131 ft) | 70 m (230 ft) | 50 m (164 ft) | | | 40 m (131 ft) |
| **Mechanical** | | | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 360° | | | | | |
| | **Tilt** | 90° ~ 180° | | | | | |
| | **Rotate** | 0° ~ 360° | | | | | |
| **Temperature Detector** | | Yes | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | |
| | **Audio** | 1 In (RCA female for microphone)<br>1 Out (RCA female for speaker) | | | | | |
| | **Digital I/O** | I/O Wire | | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | | |
| **General** | | | | | | | |
| **Environment Temperature** | | -20 °C ~ 50 °C (-4 °F ~ 122 °F) | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | | |
| **Max. Power Consumption** | | 11.52 W | 13.8 W | 11.52 W | 13.4 W | 12.48 W | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | |
| **Dimensions** | **Camera Body** | 289.02 x 87.75 x 148.95 mm (11.4'' x 3.45'' x 5.86'') | | | | | |
| | **Cable Length** | 1 m (3.28 ft) | | | | | |
| | **Max. Cable Diameter** | ø 7.1 mm (0.28'') | | | | | |
| | **Max. Connector Diameter** | ø 25.2 mm (0.99'') | | | | | |
| **Weight** | | 1.4 Kg (3.08 lb) | | | | | |
| **Ingress Protection** | | IP67 | | | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Ultra Bullet Camera Specifications (Part 1)

| | | GV-UBL 1211 | GV-UBL1511 | GV-UBL2411 | GV-UBL2511 | GV-UBL3411 |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Camera** | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/3" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux |
| | **B/W** | 0.03 Lux | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux |
| | **IR ON** | 0 Lux | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000sec) | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | |
| **Gain Control** | | Automatic | | | | |
| **S/N Ratio** | | 50 dB | 55 dB | 47 dB | 52 dB | 47 dB |
| **WDR Pro (with WDR sensor)** | | N/A | | Yes | N/A | Yes |
| **Operation** | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | |
| **Video Streaming** | | Dual streams | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 |
| **Sensor Input** | | 1 input (Dry Contact) | | | | |
| **Alarm Output** | | 1 digital output (200mA 5V DC) | | | | |
| **Optical Lens** | | | | | | |
| **Megapixel** | | Yes | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | |
| **Lens Type** | | Motorized Varifocal Lens | | | | |
| **Focal Length** | | 3~9 mm | | | | |
| **Maximum Aperture** | | F/1.2 | | | | |
| **Mount** | | Ø14 mm | | | | |
| **Image Format** | | 1/2.7" | | | | |
| **Horizontal FOV** | | 86° ~ 32° | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° |
| **Operation** | **Focus** | Auto Focus | | | | |
| | **Zoom** | 3X Optical Zoom | | | | |
| | **Iris** | DC Drive | | | | |
| **IR LED Quantity** | | 4 IR LEDs | | | | |
| **Max. IR Distance** | | 10 m (32.81 ft) | | | | |
| **Mechanical** | | | | | | |
| **Temperature Detector** | | Yes | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof) | | | | |
| | **Digital I/O** | I/O Wire | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| **General** | | | | | | |
| **Environment Temperature** | | -10 °C ~ 45 °C (14 °F ~ 113 °F) | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | 5V DC / PoE | | | | |
| **Max. Power Consumption** | | 6.94 W | 9.65 W | 6.94 W | 9.95 W | 6.94 W |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant |
| **Dimensions** | | 148.75 x 65 x 69 mm (5.9'' x 2.6'' x 2.7'') | | | | |
| **Weight** | | 850 g (1.9 lb) | | | | |
| **Ingress Protection** | | IP67 | | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Ultra Bullet Camera Specifications (Part 2)

| | | GV-UBL1301 Series | | GV-UBL2401 Series | | GV-UBL3401 Series | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | 1/2.5" progressive scan CMOS | | 1/3.2" progressive scan CMOS | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) | |
| **Minimum Illumination** | **Color** | 0.15 Lux | | 0.08 Lux | | | |
| | **B/W** | 0.10 Lux | | 0.05 Lux | | | |
| | **IR ON** | 0 Lux | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000sec) | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | |
| **Gain Control** | | Automatic | | | | | |
| **S/N Ratio** | | 45 dB | | 47 dB | | | |
| **WDR Pro (with WDR sensor)** | | N/A | | Yes | | | |
| **Operation** | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | |
| **Video Streaming** | | Dual streams | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 | |
| **Sensor Input** | | 1 input (Dry Contact) | | | | | |
| **Alarm Output** | | 1 digital output (200mA 5V DC) | | | | | |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | Yes | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | |
| **Lens Type** | | Fixed Lens | | | | | |
| **Focal Length** | | GV-UBL1301-0F | 2.8 mm | GV-UBL2401-0F | 2.8 mm | GV-UBL3401-0F | 2.8 mm |
| | | GV-UBL1301-1F | 4 mm | GV-UBL2401-1F | 4 mm | GV-UBL3401-1F | 4 mm |
| | | GV-UBL1301-2F | 8 mm | GV-UBL2401-2F | 8 mm | GV-UBL3401-2F | 8 mm |
| | | GV-UBL1301-3F | 12 mm | GV-UBL2401-3F | 12 mm | GV-UBL3401-3F | 12 mm |
| **Maximum Aperture** | | GV-UBL1301-0F | F/2.0 | GV-UBL2401-0F | F/2.0 | GV-UBL3401-0F | F/2.0 |
| | | GV-UBL1301-1F | F/1.5 | GV-UBL2401-1F | F/1.5 | GV-UBL3401-1F | F/1.5 |
| | | GV-UBL1301-2F<br>GV-UBL1301-3F | F/1.6 | GV-UBL2401-2F<br>GV-UBL2401-3F | F/1.6 | GV-UBL3401-2F<br>GV-UBL3401-3F | F/1.6 |
| **Mount** | | M12 | | | | | |
| **Image Format** | | 1/3” | | | | | |
| **Horizontal FOV** | | GV-UBL1301-0F | 69° | GV-UBL2401-0F | 79° | GV-UBL3401-0F | 80° |
| | | GV-UBL1301-1F | 49° | GV-UBL2401-1F | 58° | GV-UBL3401-1F | 62° |
| | | GV-UBL1301-2F | 25° | GV-UBL2401-2F | 31° | GV-UBL3401-2F | 33° |
| | | GV-UBL1301-3F | 16° | GV-UBL2401-3F | 20° | GV-UBL3401-3F | 21° |
| **Operation** | **Focus** | Fixed | | | | | |
| | **Zoom** | | | | | | |
| | **Iris** | | | | | | |
| **IR LED Quantity** | | 4 IR LEDs | | | | | |
| **Max. IR Distance** | | 10 m (32.81 ft) | | | | | |
| **Mechanical** | | | | | | | |
| **Temperature Detector** | | Yes | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof) | | | | | |
| | **Digital I/O** | I/O Wire | | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | | |
| **General** | | | | | | | |
| **Environment Temperature** | **Start-up** | -20 °C ~ 45 °C (-4 °F ~ 113 °F) | | -20 °C ~ 45 °C (-4 °F ~ 113 °F) | | | |
| | **Operation** | -30 °C ~ 45 °C (-22 °F ~ 113 °F) | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | |
| **Power Source** | | 5V DC / PoE | | | | | |
| **Max. Power Consumption** | | 5.52W | | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | | |
| **Dimensions** | | 124 x 65 x 69 mm (4.9’’ x 2.6’’ x 2.7’’) | | | | | |
| **Weight** | | 730 g (1.6 lb) | | | | | |
| **Ingress Protection** | | IP67 | | | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Vandal Proof Dome Specifications (Part 1)

| | | (IK10+, Transparent Cover)<br>- GV-VD120D<br>- GV-VD121D<br>(IK7, Transparent Cover)<br>- GV-VD122D<br>- GV-VD123D | (IK10+, Transparent Cover)<br>GV-VD220D<br>GV-VD221D<br>(IK7, Transparent Cover)<br>- GV-VD222D<br>- GV-VD223D | (IK10+, Transparent Cover)<br>- GV-VD320D<br>- GV-VD321D<br>(IK7, Transparent Cover)<br>- GV-VD322D<br>- GV-VD323D | GV-VD1500<br>(IK10+, Transparent Cover) | GV-VD2400<br>(IK10+, Transparent Cover) | GV-VD2500<br>(IK10+, Transparent Cover) | GV-VD3400<br>(IK10+, Transparent Cover) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| **Camera** | | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5" progressive scan CMOS | | 1/3" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux |
| | **B/W** | 0.03 Lux | 0.10 Lux | | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux |
| | **IR ON** | 0 Lux | | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | | |
| **Gain Control** | | Automatic | | | | | | |
| **S/N Ratio** | | 50 dB | 45 dB | | 55 dB | 47 dB | 52 dB | 47 dB |
| **WDR Pro (with WDR sensor)** | | N/A | | | | Yes | N/A | Yes |
| **Operation** | | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | | |
| **Video Streaming** | | Dual streams | | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 |
| **Audio Compression** | | G.711, AAC (optional) | | | | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | | | | |
| **Alarm Output** | | 1 Digital output (200mA 5V DC) | | | | | | |
| **Optical Lens** | | | | | | | | |
| **Megapixel** | | Yes | | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | | |
| **Lens Type** | | Varifocal Lens | | | | | | |
| **Focal Length** | | 3 ~ 9 mm | | | | | | |
| **Maximum Aperture** | | F/1.3 | | | F/1.2 | | | |
| **Mount** | | Ø14 mm | | | | | | |
| **Image Format** | | 1/3" | | | 1/2.7" | | | |
| **Horizontal FOV** | | 86° ~ 32° | 82° ~ 30° | 86° ~ 31° | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° |
| **Operation** | **Focus** | Manual (w/lock) | | | | | | |
| | **Zoom** | Manual (w/lock) | | | | | | |
| | **Iris** | DC drive | | | | | | |
| **IR LED Quantity** | | 10 IR LEDs | | | | | | |
| **Max. IR Distance** | | 15 m (50 ft) | | | 30 m (98.4 ft) | | | |
| **Mechanical** | | | | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 350° | | | | | | |
| | **Tilt** | 10° ~ 90° | | | | | | |
| | **Rotate** | 0° ~ 340° | | | | | | |
| **Temperature Detector** | | Yes | | | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | | |
| | **Audio** | 1 In (RCA female for microphone), 1 Out (RCA female for speaker) | | | | | | |
| | **Digital I/O** | I/O Wire | | | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported | | | | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | | | | |
| **General** | | | | | | | | |
| **Environment Temperature** | | -30 °C ~ 50 °C (-22 °F ~ 122 °F) | | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | | | |
| **Max. Power Consumption** | | 12 W | | | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant |
| **Dimensions** | **Camera Body** | ø 165 x 125 mm (6.49'' x 4.92'') | | | | | | |
| | **Cable Length** | 1 m (3.28 ft) | | | | | | |
| | **Cable Diameter** | ø 16.7 mm (0.66'') | | | | | | |
| | **Max. Connector Diameter** | ø 16.7 mm (0.66'') | | | | | | |
| **Weight** | | 1.7 kg (3.75 lb) | | | | | | |
| **Ingress Protection** | | IP67 | | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.

## Vandal Proof Dome Specifications (Part 2)

| | | GV-VD1530 | GV-VD2430 | GV-VD2530 | GV-VD3430 |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/3" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux |
| | **B/W** | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux |
| | **IR ON** | 0 Lux | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 55 dB | 47 dB | 52 dB | 47 dB |
| **WDR Pro (with WDR sensor)** | | N/A | Yes | N/A | Yes |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | |
| **Alarm Output** | | 1 Output (200mA 5V DC) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | |
| **Lens Type** | | Varifocal Lens | | | |
| **Focal Length** | | 3 ~ 9 mm | | | |
| **Maximum Aperture** | | F/1.2 | | | |
| **Mount** | | Ø14 mm | | | |
| **Image Format** | | 1/2.7" | | | |
| **Horizontal FOV** | | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° |
| **Operation** | **Focus** | Manual (w/lock) | | | |
| | **Zoom** | Manual (w/lock) | | | |
| | **Iris** | DC drive | | | |
| **High Power LED** | | 6 IR LEDs | | | |
| **Max. IR Distance** | | 30 m (98.4 ft) | 20 m (65.6 ft) | 25 m (82.0 ft) | 20 m (65.6 ft) |
| **Mechanical** | | | | | |
| **Camera Angle Adjustment** | **Pan** | -90° ~ 90° | | | |
| | **Tilt** | 0° ~ 85° | | | |
| | **Rotate** | 0° ~ 350° | | | |
| **Temperature Detector** | | Yes | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | 1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker) | | | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm (0.1") | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | |
| **General** | | | | | |
| **Environment Temperature** | **Start-up** | -20 °C ~ 50 °C (-4 °F ~ 122 °F) | | | |
| | **Operation** | -30 °C ~ 50 °C (-22 °F ~ 122 °F) | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE 802.3at) | | | |
| **Max. Power Consumption** | | 15.4 W | | | |
| **Regulatory** | | CE, FCC, RCM, RoHS compliant | | | |
| **Dimensions** | | ø176.5 x 118 mm (6.9" x 4.6") | | | |
| **Weight** | | 1.76 kg (3.88 lb) | | | |
| **Ingress Protection** | | IP67 | | | |
| **Vandal Resistance** | | IK10+ | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Vandal Proof Dome Specifications (Part 3)

| | | GV-VD1540 | GV-VD2440 | GV-VD2540 | GV-VD3440 | GV-VD5340 |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Camera** | | | | | | |
| **Image Sensor** | | 1/3" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux | 0.15 Lux |
| | **B/W** | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux | 0.10 Lux |
| | **IR ON** | 0 Lux | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | |
| **Gain Control** | | Automatic | | | | |
| **S/N Ratio** | | 55 dB | 47 dB | 52 dB | 47 dB | 45 dB |
| **WDR Pro (with WDR sensor)** | | N/A | Yes | N/A | Yes | N/A |
| **Operation** | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | |
| **Video Streaming** | | Dual streams | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | | |
| **Alarm Output** | | 1 Output (200mA 5V DC) | | | | |
| **Optical Lens** | | | | | | |
| **Megapixel** | | Yes | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | |
| **Lens Type** | | Motorized Varifocal Lens | | | | |
| **Focal Length** | | 3 ~ 9 mm | | | | 3.3 ~ 9 mm |
| **Maximum Aperture** | | F/1.2 | | | | |
| **Mount** | | Ø14 mm | | | | |
| **Image Format** | | 1/2.7" | | | | |
| **Horizontal FOV** | | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° | 100° ~ 39° |
| **Operation** | **Focus** | Auto Focus | | | | |
| | **Zoom** | 3x Optical Zoom | | | | |
| | **Iris** | DC drive | | | | |
| **High Power LED** | | 6 IR LEDs | | | | |
| **Max. IR Distance** | | 30 m (98.4 ft) | 20 m (65.6 ft) | 25 m (82.0 ft) | 20 m (65.6 ft) | |
| **Mechanical** | | | | | | |
| **Camera Angle Adjustment** | **Pan** | -90° ~ 90° | | | | |
| | **Tilt** | 0° ~ 85° | | | | |
| | **Rotate** | 0° ~ 350° | | | | |
| **Temperature Detector** | | Yes | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | |
| | **Audio** | 1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker) | | | | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm (0.1") | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | | |
| **General** | | | | | | |
| **Environment Temperature** | | -20 °C ~ 50 °C (-4 °F ~ 122 °F) | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE 802.3at) | | | | |
| **Max. Power Consumption** | | 22.48 W | | | | |
| **Regulatory** | | CE, FCC, RCM, RoHS compliant | | | | |
| **Dimensions** | | ø176.5 x 118 mm (6.9" x 4.6") | | | | |
| **Weight** | | 1.83 kg (4.03 lb) | | | | |
| **Ingress Protection** | | IP67 | | | | |
| **Vandal Resistance** | | IK10+ | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Vandal Proof Dome Specifications (Part 4)

| | | GV-VD2540-E | GV-VD5340-E |
|---|---|---|---|
| | | | |
| **Camera** | | | |
| **Image Sensor** | | 1/2.8" progressive scan super low lux CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | 1920 (H) x 1080 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.02 Lux | 0.15 Lux |
| | **B/W** | 0.02 Lux | 0.10 Lux |
| | **IR ON** | 0 Lux | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | |
| **Gain Control** | | Automatic | |
| **S/N Ratio** | | 52 dB | 45 dB |
| **WDR Pro (with WDR sensor)** | | N/A | |
| **Operation** | | | |
| **Video Compression** | | H.264, MJPEG | |
| **Video Streaming** | | Dual streams | |
| **Frame Rate** | | 30 fps at 1920 x 1080 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | |
| **Sensor Input** | | 1 Input (Dry Contact) | |
| **Alarm Output** | | 1 Output (200mA 5V DC) | |
| **Optical Lens** | | | |
| **Megapixel** | | Yes | |
| **Day/Night** | | Yes (with removable IR-cut filter) | |
| **Lens Type** | | Motorized Varifocal Lens | |
| **Focal Length** | | 3 ~ 9 mm | 3.3 ~ 9 mm |
| **Maximum Aperture** | | F/1.2 | |
| **Mount** | | Ø14 mm | |
| **Image Format** | | 1/2.7'' | |
| **Horizontal FOV** | | 103° ~ 36° | 100° ~ 39° |
| **Operation** | **Focus** | Auto Focus | |
| | **Zoom** | 3x Optical Zoom | |
| | **Iris** | DC drive | |
| **High Power LED** | | 6 IR LEDs | |
| **Max. IR Distance** | | 25 m (82.0 ft) | 20 m (65.6 ft) |
| **Mechanical** | | | |
| **Camera Angle Adjustment** | **Pan** | -90° ~ 90° | |
| | **Tilt** | 0° ~ 85° | |
| | **Rotate** | 0° ~ 350° | |
| **Temperature Detector** | | Yes | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | |
| | **Audio** | 1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker) | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm (0.1'') | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | |
| **LED Indicator** | | 2 LEDs: Power, Status | |
| **General** | | | |
| **Environment Temperature** | | -40 °C ~ 50 °C (-40 °F ~ 122 °F) | |
| **Heat On** | | On (0°C / 32°F), Off (1°C / 33.8°F) | |
| **Fan** | | Constantly on | |
| **Humidity** | | 10% to 90% (no condensation) | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE 802.3at) | |
| **Max. Power Consumption** | | 30 W | |
| **Regulatory** | | CE, FCC, RCM, RoHS compliant | |
| **Dimensions** | | ø176.5 x 118 mm (6.9" x 4.6'') | |
| **Weight** | | 1.83 kg (4.03 lb) | |
| **Ingress Protection** | | IP67 | |
| **Vandal Resistance** | | IK10+ | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Fixed Dome Specifications (Part 1)

| | | GV-FD120D | GV-FD220D | GV-FD320D | GV-FD1200 | GV-FD1500 |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Camera** | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5" progressive scan CMOS | | 1/3" progressive scan low lux CMOS | 1/3" progressive scan super low lux CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 1280 (H) x 1024 (V) | 1280 (H) x 1024 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | | 0.05 Lux | 0.01 Lux |
| | **B/W** | 0.03 Lux | 0.10 Lux | | 0.03 Lux | 0.01 Lux |
| | **IR ON** | 0 Lux | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | |
| **Gain Control** | | Automatic | | | | |
| **S/N Ratio** | | 50 dB | 45 dB | | 50 dB | 55 dB |
| **WDR Pro (with WDR sensor)** | | N/A | | | | |
| **Operation** | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | |
| **Video Streaming** | | Dual streams | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 30 fps at 1280 x 1024 | 30 fps at 1280 x 1024 |
| **Audio Compression** | | G.711, AAC (optional) | | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | | |
| **Alarm Output** | | 1 Digital output (200mA 5V DC) | | | | |
| **Optical Lens** | | | | | | |
| **Megapixel** | | Yes | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | |
| **Lens Type** | | Varifocal Lens | | | | |
| **Focal Length** | | 3 ~ 9 mm | | | | |
| **Maximum Aperture** | | F/1.3 ± 5% | | | F/1.2 | |
| **Mount** | | Ø14 mm | | | | |
| **Image Format** | | 1/3" | | | 1/2.7" | |
| **Horizontal FOV** | | 86° ~ 32° | 82° ~ 30° | 86° ~ 31° | 86° ~ 32° | 90° ~ 32° |
| **Operation** | **Focus** | Manual (w/lock) | | | | |
| | **Zoom** | Manual (w/lock) | | | | |
| | **Iris** | DC drive | | | | |
| **IR LED Quantity** | | 10 IR LEDs | | | | |
| **Max. IR Distance** | | 15 m (50 ft) | | | | 30 m (98.4 ft) |
| **Mechanical** | | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 350° | | | | |
| | **Tilt** | 10° ~ 90° | | | | |
| | **Rotate** | 0° ~ 340° | | | | |
| **Temperature Detector** | | Yes | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | |
| | **Audio** | 1 In (microphone phone jack, 3.5mm / 0.14")<br>1 Out (Stereo phone jack, 3.5mm / 0.14") | | | | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | | |
| **General** | | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C / 32 °F ~ 122 °F | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | |
| **Max. Power Consumption** | | 12W | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | CE, FCC, RCM, RoHS compliant |
| **Dimension** | | ø 155 x 110 mm (6.1" x 4.33") | | | | |
| **Weight** | | 580 g (1.28 lb) | | | | |
| **Vandal Resistance** | | IK7 | | | | |

Note:

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Fixed Dome Specifications (Part 2)

| | | GV-FD2400 | GV-FD2500 | GV-FD3400 | GV-FD5300 |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) | 2560 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.08 Lux | 0.02 Lux | 0.08 Lux | 0.15 Lux |
| | **B/W** | 0.05 Lux | 0.02 Lux | 0.05 Lux | 0.10 Lux |
| | **IR ON** | 0 Lux | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 47 dB | 52 dB | 47 dB | 45 dB |
| **WDR Pro (with WDR sensor)** | | Yes | N/A | Yes | N/A |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | |
| **Alarm Output** | | 1 Digital output (200mA 5V DC) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | |
| **Lens Type** | | Varifocal Lens | | | |
| **Focal Length** | | 3 ~ 9 mm | | | 4.5 ~ 10 mm |
| **Maximum Aperture** | | F/1.2 | | | F/1.6 |
| **Mount** | | Ø14 mm | | | CS Mount |
| **Image Format** | | 1/2.7'' | | | 1/2.5'' |
| **Horizontal FOV** | | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° | 70° ~ 34° |
| **Operation** | **Focus** | Manual (w/lock) | | | |
| | **Zoom** | Manual (w/lock) | | | |
| | **Iris** | DC drive | | | Manual (w/lock) |
| **IR LED Quantity** | | 10 IR LEDs | | | |
| **Max. IR Distance** | | 30 m (98.4 ft) | | | 25 m (82 ft) |
| **Mechanical** | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 350° | | | |
| | **Tilt** | 10° ~ 90° | | | |
| | **Rotate** | 0° ~ 340° | | | |
| **Temperature Detector** | | Yes | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | 1 In (microphone phone jack, 3.5mm / 0.14'')<br>1 Out (Stereo phone jack, 3.5mm / 0.14'') | | | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | |
| **General** | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C / 32 °F ~ 122 °F | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | |
| **Max. Power Consumption** | | 12W | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | |
| **Dimension** | | ø 155 x 110 mm (6.1'' x 4.33'') | | | |
| **Weight** | | 580 g (1.28 lb) | | | |
| **Vandal Resistance** | | IK7 | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Fixed Dome Specifications (Part 3)

| | | GV-FD1210 | GV-FD1510 | GV-FD2410 | GV-FD2510 | GV-FD3410 |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Camera** | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/3" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS | 1/2.8" progressive scan super low lux CMOS | 1/3.2" progressive scan CMOS |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | 2048 (H) x 1536 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.01 Lux | 0.08 Lux | 0.02 Lux | 0.08 Lux |
| | **B/W** | 0.03 Lux | 0.01 Lux | 0.05 Lux | 0.02 Lux | 0.05 Lux |
| | **IR ON** | 0 Lux | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | |
| **Gain Control** | | Automatic | | | | |
| **S/N Ratio** | | 50 dB | 55 dB | 47 dB | 52 dB | 47 dB |
| **WDR Pro (with WDR sensor)** | | N/A | | Yes | N/A | Yes |
| **Operation** | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | |
| **Video Streaming** | | Dual streams | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | 20 fps at 2048 x 1536 |
| **Audio Compression** | | G.711, AAC (optional) | | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | | |
| **Alarm Output** | | 1 Digital output (200mA 5V DC) | | | | |
| **Optical Lens** | | | | | | |
| **Megapixel** | | Yes | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | |
| **Lens Type** | | Motorized Varifocal Lens | | | | |
| **Focal Length** | | 3 ~ 9 mm | | | | |
| **Maximum Aperture** | | F/1.2 | | | | |
| **Mount** | | Ø14 mm | | | | |
| **Image Format** | | 1/2.7" | | | | |
| **Horizontal FOV** | | 86° ~ 32° | 90° ~ 32° | 82° ~ 30° | 103° ~ 36° | 86° ~ 31° |
| **Operation** | **Focus** | Auto Focus | | | | |
| | **Zoom** | 3X Optical Zoom | | | | |
| | **Iris** | DC drive | | | | |
| **IR LED Quantity** | | 10 IR LEDs | | | | |
| **Max. IR Distance** | | 15 m (50 ft) | 30 m (98.4 ft) | | | |
| **Mechanical** | | | | | | |
| **Camera Angle Adjustment** | **Pan** | 0° ~ 350° | | | | |
| | **Tilt** | 10° ~ 90° | | | | |
| | **Rotate** | 0° ~ 340° | | | | |
| **Temperature Detector** | | Yes | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | |
| | **Audio** | 1 In (microphone phone jack, 3.5mm / 0.14'')<br>1 Out (Stereo phone jack, 3.5mm / 0.14'') | | | | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| | **TV-Out** | BNC connector (640 x 480 resolution) | | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | | |
| **General** | | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C / 32 °F ~ 122 °F | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | |
| **Max. Power Consumption** | | 12W | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant | CE, FCC, RCM, RoHS compliant | CE, FCC, C-Tick, RoHS compliant |
| **Dimension** | | ø 155 x 110 mm (6.1'' x 4.33'') | | | | |
| **Weight** | | 580 g (1.28 lb) | | | | |
| **Vandal Resistance** | | IK7 | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
4. Memory card slot (local storage) is not supported in Argentina.

## Cube Camera Specifications

| | | GV-CB120 | GV-CB220 | GV-CBW120 | GV-CBW220 |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/2.5" progressive scan CMOS | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) |
| **Minimum Illumination** | **Color** | 0.15 Lux | | | |
| | **B/W** | 0.10 Lux | | | |
| | **IR ON** | N/A | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 45 dB | | | |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (electronic) | | | |
| **Lens Type** | | Fixed Lens | | | |
| **Focal Length** | | 3.35 mm | | | |
| **Maximum Aperture** | | F/2.4 | | | |
| **Mount** | | M12 mm | | | |
| **Image Format** | | 1/3" | | | |
| **Horizontal FOV** | | 67° | 77° | 67° | 77° |
| **Operation** | **Focus** | Fixed | | | |
| | **Zoom** | | | | |
| | **Iris** | | | | |
| **Mechanical** | | | | | |
| **Connectors** | **Power** | DC Jack | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | built-in microphone and speaker | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | |
| **LED Indicator** | | 2 LEDs: Status, LAN | | | |
| **Wireless LAN** | | No | | IEEE 802.11 b/g/n | |
| **General** | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | 0 °C ~ 40 °C (32 °F ~ 104 °F) | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | 5V DC | | | |
| **Max. Power Consumption** | | 3.2 W | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | |
| **Dimensions** | | 60 x 84.8 x 39 mm (2.36'' x 3.34'' x 1.54'') | | | |
| **Weight** | | 80 g (0.18 lb) | | 70 g (0.15 lb) | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. For GV-CBW120 / CBW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
4. Be sure to use the supplied power adapter to power up the camera. To use your own power cable, make sure you look up the power source value indicated at the camera's back panel.
5. Memory card slot (local storage) is not supported in Argentina.

## Advanced Cube Camera Specifications

| | | GV-CA120 | GV-CA220 | GV-CAW120 | GV-CAW220 |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/2.5" progressive scan CMOS | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) |
| **Minimum Illumination** | **Color** | 0.15 Lux | | | |
| | **B/W** | 0.10 Lux | | | |
| | **IR ON** | N/A | | | |
| | **White Illumination LED** | 0 Lux | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 45 dB | | | |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (electronic) | | | |
| **Lens Type** | | Fixed Lens | | | |
| **Focal Length** | | 3.35 mm | | | |
| **Maximum Aperture** | | F/2.4 | | | |
| **Mount** | | M12 mm | | | |
| **Image Format** | | 1/3” | | | |
| **Horizontal FOV** | | 67° | 77° | 67° | 77° |
| **Operation** | **Focus** | Fixed | | | |
| | **Zoom** | | | | |
| | **Iris** | | | | |
| **Mechanical** | | | | | |
| **Connectors** | **Power** | DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220) | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | built-in microphone and speaker | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | |
| **LED Indicator** | | 4 LEDs: Status x 3, LAN/WiFi | | | |
| **PIR Sensor** | | Built-in | | | |
| **White Illumination LED** | | Yes | | | |
| **Max. PIR / White Illumination LED Distance** | | 5 m (16.4 ft) | | | |
| **General** | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | 5V DC and PoE | | 5V DC | |
| **Max. Power Consumption** | | 7 W | | 6 W | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | |
| **Dimensions (LxWxH)** | | 65.8 x 99.8 x 39 mm (2.59’’ x 3.92’’ x 1.54’’) | | | |
| **Weight** | | 100 g (0.2 lb) | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. For GV-CAW120 / CAW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
4. Memory card slot (local storage) is not supported in Argentina.

## Mini Fixed Dome Specifications (Part 1)

| | | GV-MFD120 | GV-MFD130 | GV-MFD220 | GV-MFD320 | GV-MFD520 |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Camera** | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5" progressive scan CMOS | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | | | |
| | **B/W** | 0.03 Lux | 0.10 Lux | | | |
| | **IR ON** | N/A | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | |
| **Gain Control** | | Automatic | | | | |
| **S/N Ratio** | | 50 dB | 45 dB | | | |
| **Operation** | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | |
| **Video Streaming** | | Dual streams | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | | |
| **Optical Lens** | | | | | | |
| **Megapixel** | | Yes | | | | |
| **Day/Night** | | Yes (electronic) | | | | |
| **Lens Type** | | Fixed Lens | | | | |
| **Focal Length** | | 4.05 mm | 2.54 mm | | | |
| **Maximum Aperture** | | F/1.5 | F/2.8 | | | |
| **Mount** | | M12, Pitch 0.5 mm | | | | |
| **Image Format** | | 1/3" | 1/2.5" | | | |
| **Horizontal FOV** | | 67° | 85° | 101° | 110° | 138° |
| **Operation** | **Focus** | Fixed | | | | |
| | **Zoom** | | | | | |
| | **Iris** | | | | | |
| **Mechanical** | | | | | | |
| **Camera Angle Adjustment** | **Pan** | -45° ~ 45° | | | | |
| | **Tilt** | 0° ~ 90° | | | | |
| **Temperature Detector** | | Yes | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | |
| | **Audio** | built-in microphone | | | | |
| | **USB** | N/A | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| **LED Indicator** | | 4 LEDs: Link, ACT, Power, Status | | | | |
| **General** | | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | 12V DC / PoE (IEEE802.3af) | | | | |
| **Max. Power Consumption** | | 4.5 W | 5.5 W | | | 6 W |
| **Regulatory** | | CE, FCC, C-Tick, RoHS, UL compliant | | | | |
| **Dimensions** | **Camera Body** | ø 106 x 55.6 mm (4.2'' x 2.2'') | | | | |
| | **Cable Length** | 1 m (3.28 ft) | | | | |
| | **Cable Diameter** | ø 8 mm (0.31'') | | | | |
| | **Max. Connector Diameter** | ø 28.5 mm (1.12'') | | | | |
| **Weight** | | 275 g (0.61 lb) | 280 g (0.62 lb) | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.
4. 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.

# Mini Fixed Dome Specifications (Part 2)

| | | GV-MFD1501 Series | | GV-MFD2401 Series | | GV-MFD2501 Series | | GV-MFD3401 Series | | GV-MFD5301 Series | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| **Camera** | | | | | | | | | | | |
| **Image Sensor** | | 1/3'' progressive scan super low lux CMOS | | 1/3.2'' progressive scan CMOS | | 1/2.8'' progressive scan super low lux CMOS | | 1/3.2'' progressive scan CMOS | | 1/2.5'' progressive scan CMOS | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | | | 2048 (H) x 1536 (V) | | 2560 (H) x 1920 (V) | |
| **Minimum Illumination** | **Color** | 0.01 Lux | | 0.08 Lux | | 0.02 Lux | | 0.08 Lux | | 0.15 Lux | |
| | **B/W** | 0.01 Lux | | 0.05 Lux | | 0.02 Lux | | 0.05 Lux | | 0.10 Lux | |
| | **IR ON** | N/A | | | | | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | | | | | |
| **Gain Control** | | Automatic | | | | | | | | | |
| **S/N Ratio** | | 55 dB | | | | 52 dB | | 55 dB | | | |
| **WDR Pro (with WDR Sensor)** | | N/A | | Yes | | N/A | | Yes | | N/A | |
| **Operation** | | | | | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | | | | | |
| **Video Streaming** | | Dual streams | | | | | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | | | 20 fps at 2048 x 1536 | | 10 fps at 2560 x 1920 | |
| **Audio Compression** | | G.711, AAC (optional) | | | | | | | | | |
| **Optical Lens** | | | | | | | | | | | |
| **Megapixel** | | Yes | | | | | | | | | |
| **Day/Night** | | Yes (electronic) | | | | | | | | | |
| **Lens Type** | | Fixed Lens | | | | | | | | | |
| **Focal Length** | | MFD1501-0F | 2.8 mm | MFD2401-0F | 2.8 mm | MFD2501-0F | 2.8 mm | MFD3401-0F | 2.8 mm | MFD5301-0F | 2.8 mm |
| | | MFD1501-1F | 4 mm | MFD2401-1F | 4 mm | MFD2501-1F | 4 mm | MFD3401-1F | 4 mm | MFD5301-1F | 4 mm |
| | | MFD1501-2F | 8 mm | MFD2401-2F | 8 mm | MFD2501-2F | 8 mm | MFD3401-2F | 8 mm | MFD5301-2F | 8 mm |
| | | MFD1501-3F | 12 mm | MFD2401-3F | 12 mm | MFD2501-3F | 12 mm | MFD3401-3F | 12 mm | MFD5301-3F | 12 mm |
| | | MFD1501-4F | 2.1 mm | MFD2401-4F | 2.1 mm | MFD2501-4F | 2.1 mm | MFD3401-4F | 2.1 mm | | |
| **Maximum Aperture** | | MFD1501-0F | F/2.0 | MFD2401-0F | F/2.0 | MFD2501-0F | F/2.0 | MFD3401-0F | F/2.0 | MFD5301-0F | F/2.0 |
| | | MFD1501-1F | F/1.5 | MFD2401-1F | F/1.5 | MFD2501-1F | F/1.5 | MFD3401-1F | F/1.5 | MFD5301-1F | F/1.5 |
| | | MFD1501-2F | F/1.6 | MFD2401-2F | F/1.6 | MFD2501-2F | F/1.6 | MFD3401-2F | F/1.6 | MFD5301-2F | F/1.6 |
| | | MFD1501-3F | | MFD2401-3F | | MFD2501-3F | | MFD3401-3F | | MFD5301-3F | |
| | | MFD1501-4F | F/1.8 | MFD2401-4F | F/1.8 | MFD2501-4F | F/1.8 | MFD3401-4F | F/1.8 | | |
| **Mount** | | M12, Pitch 0.5 mm | | | | | | | | | |
| **Image Format** | | 1/3'' | | | | | | | | | |
| **Horizontal FOV** | | MFD1501-0F | 87° | MFD2401-0F | 79° | MFD2501-0F | 99° | MFD3401-0F | 80° | MFD5301-0F | 103° |
| | | MFD1501-1F | 67° | MFD2401-1F | 58° | MFD2501-1F | 72° | MFD3401-1F | 62° | MFD5301-1F | 84° |
| | | MFD1501-2F | 35° | MFD2401-2F | 31° | MFD2501-2F | 38° | MFD3401-2F | 33° | MFD5301-2F | 41° |
| | | MFD1501-3F | 22° | MFD2401-3F | 20° | MFD2501-3F | 25° | MFD3401-3F | 21° | MFD5301-3F | 26° |
| | | MFD1501-4F | 124° | MFD2401-4F | 112° | MFD2501-4F | 150° | MFD3401-4F | 120° | | |
| **Operation** | **Focus** | Fixed | | | | | | | | | |
| | **Zoom** | | | | | | | | | | |
| | **Iris** | | | | | | | | | | |
| **Mechanical** | | | | | | | | | | | |
| **Camera Angle Adjustment** | **Pan** | -45° ~ 45° | | | | | | | | | |
| | **Tilt** | 0° ~ 90° | | | | | | | | | |
| **Temperature Detector** | | Yes | | | | | | | | | |
| **Connectors** | **Power** | PoE, 2-pin terminal block | | | | | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | | | | | |
| | **Audio** | 1 In (Built-in microphone), 1 Out (RCA female for speaker) | | | | | | | | | |
| | **USB** | GV-WiFi adapter or USB hard drive | | | | | | | | | |
| | **Local Storage*** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | | | | | | |
| **LED Indicator** | | 4 LEDs: Link, ACT, Power, Status | | | | | | | | | |
| **General** | | | | | | | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | | | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | | | | | |
| **Power Source** | | DC 5V, PoE (IEEE802.3af) | | | | | | | | | |
| **Max. Power Consumption** | | 6 W | | | | | | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | | | | | | |
| **Dimensions** | | ø106 x 53.9 mm (4.2'' x 2.1'') | | | | | | | | | |
| **Weight** | | 280 g (0.62 lb) | | | | | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.
4. 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.

## Mini Fixed Rugged Dome Specifications (Part 1)

| | | GV-MDR120 | GV-MDR220 | GV-MDR320 | GV-MDR520 |
|---|---|---|---|---|---|
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | 1/2.5'' progressive scan CMOS | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | 0.05 Lux | 0.15 Lux | | |
| | **B/W** | 0.03 Lux | 0.10 Lux | | |
| | **IR ON** | N/A | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | |
| **Gain Control** | | Automatic | | | |
| **S/N Ratio** | | 50 dB | 45 dB | | |
| **WDR Pro (with WDR sensor)** | | N/A | | | |
| **Operation** | | | | | |
| **Video Compression** | | H.264, MJPEG | | | |
| **Video Streaming** | | Dual streams | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 10 fps at 2560 x 1920 |
| **Audio Compression** | | G.711, AAC (optional) | | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | Yes | | | |
| **Day/Night** | | Yes (electronic) | | | |
| **Lens Type** | | Fixed Lens | | | |
| **Focal Length** | | 4 mm | 2.54 mm | | |
| **Maximum Aperture** | | F/1.5 | F/2.8 | | |
| **Mount** | | M12, Pitch 0.5 mm | | | |
| **Image Format** | | 1/3" | 1/2.5" | | |
| **Horizontal FOV** | | 70° | 101° | 110° | 138° |
| **Operation** | **Focus** | Fixed | | | |
| | **Zoom** | | | | |
| | **Iris** | | | | |
| **Mechanical** | | | | | |
| **Camera Angle Adjustment** | **Pan** | -45° ~ 45° | | | |
| | **Tilt** | 0° ~ 90° | | | |
| | **Rotate** | 0° ~ 360° | | | |
| **Temperature Detector** | | Yes | | | |
| **Connectors** | **Power** | PoE | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | |
| | **Audio** | built-in microphone | | | |
| | **Local Storage** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | |
| **LED Indicator** | | 3 LEDs: Link, Power, Status | | | |
| **General** | | | | | |
| **Environment Temperature** | | -30 °C ~ 50 °C (-22 °F ~ 122 °F) | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | |
| **Power Source** | | PoE | | | |
| **Max. Power Consumption** | | 3 W | 3.4 W | | 3.6 W |
| **Regulatory** | | CE, FCC, C-Tick, EN50155, RoHS compliant | | | |
| **Dimensions** | **Camera Body** | ø 115 x 59.2 mm (4.5'' x 2.3'') | | | |
| | **Cable Length** | 1.054 m (41.5'') | | | |
| | **Cable Diameter** | ø 6.2 mm (0.24'') | | | |
| | **Max. Connector Diameter** | ø 30 mm (1.18'') | | | |
| **Weight** | | 568g (1.3 lb) | | | |
| **Ingress Protection** | | IP67 | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

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# Mini Fixed Rugged Dome Specifications (Part 2)

| | | GV-MDR1500 Series | | GV-MDR2400 Series | | GV-MDR2500 Series | | GV-MDR3400 Series | | GV-MDR5300 Series | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| **Camera** | | | | | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan super low lux CMOS | | 1/3.2'' progressive scan CMOS | | 1/2.8" progressive scan super low lux CMOS | | 1/3.2'' progressive scan CMOS | | 1/2.5'' progressive scan CMOS | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | 1920 (H) x 1080 (V) | | | | 2048 (H) x 1536 (V) | | 2560 (H) x 1920 (V) | |
| **Minimum Illumination** | **Color** | 0.01 Lux | | 0.08 Lux | | 0.02 Lux | | 0.08 Lux | | 0.15 Lux | |
| | **B/W** | 0.01 Lux | | 0.05 Lux | | 0.02 Lux | | 0.05 Lux | | 0.10 Lux | |
| | **IR ON** | N/A | | | | | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | | | | | |
| **Gain Control** | | Automatic | | | | | | | | | |
| **S/N Ratio** | | 55 dB | | 47 dB | | 52 dB | | 47 dB | | 45 dB | |
| **WDR Pro (with WDR Sensor)** | | N/A | | Yes | | N/A | | Yes | | N/A | |
| **Operation** | | | | | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | | | | | |
| **Video Streaming** | | Dual streams | | | | | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | 30 fps at 1920 x 1080 | | | | 20 fps at 2048 x 1536 | | 10 fps at 2560 x 1920 | |
| **Audio Compression** | | G.711, AAC (optional) | | | | | | | | | |
| **Optical Lens** | | | | | | | | | | | |
| **Megapixel** | | Yes | | | | | | | | | |
| **Day/Night** | | Yes (electronic) | | | | | | | | | |
| **Lens Type** | | Fixed Lens | | | | | | | | | |
| **Focal Length** | | MDR1500-0F | 2.1 mm | MDR2400-0F | 2.1 mm | MDR2500-0F | 2.1 mm | MDR3400-0F | 2.1 mm | MDR5300-1F | 2.8 mm |
| | | MDR1500-1F | 2.8 mm | MDR2400-1F | 2.8 mm | MDR2500-1F | 2.8 mm | MDR3400-1F | 2.8 mm | | |
| | | MDR1500-2F | 3.8 mm | MDR2400-2F | 3.8 mm | MDR2500-2F | 3.8 mm | MDR3400-2F | 3.8 mm | MDR5300-2F | 3.8 mm |
| | | MDR1500-3F | 8 mm | MDR2400-3F | 8 mm | MDR2500-3F | 8 mm | MDR3400-3F | 8 mm | MDR5300-3F | 8 mm |
| | | MDR1500-4F | 12 mm | MDR2400-4F | 12 mm | MDR2500-4F | 12 mm | MDR3400-4F | 12 mm | MDR5300-4F | 12 mm |
| **Maximum Aperture** | | MDR1500-0F | F/1.8 | MDR2400-0F | F/1.8 | MDR2500-0F | F/1.8 | MDR3400-0F | F/1.8 | MDR5300-1F | F/2.0 |
| | | MDR1500-1F | F/2.0 | MDR2400-1F | F/2.0 | MDR2500-1F | F/2.0 | MDR3400-1F | F/2.0 | | |
| | | MDR1500-2F | F/1.8 | MDR2400-2F | F/1.8 | MDR2500-2F | F/1.8 | MDR3400-2F | F/1.8 | MDR5300-2F | F/1.8 |
| | | MDR1500-3F | F/1.6 | MDR2400-3F | F/1.6 | MDR2500-3F | F/1.6 | MDR3400-3F | F/1.6 | MDR5300-3F | F/1.6 |
| | | MDR1500-4F | | MDR2400-4F | | MDR2500-4F | | MDR3400-4F | | MDR5300-4F | |
| **Mount** | | M12, Pitch 0.5 mm | | | | | | | | | |
| **Image Format** | | 1/3" | | | | | | | | | |
| **Horizontal FOV** | | MDR1500-0F | 126° | MDR2400-0F | 113° | MDR2500-0F | 135° | MDR3400-0F | 121° | MDR5300-1F | 104° |
| | | MDR1500-1F | 88° | MDR2400-1F | 80° | MDR2500-1F | 98° | MDR3400-1F | 85° | | |
| | | MDR1500-2F | 64° | MDR2400-2F | 60° | MDR2500-2F | 72° | MDR3400-2F | 63° | MDR5300-2F | 76° |
| | | MDR1500-3F | 34° | MDR2400-3F | 30° | MDR2500-3F | 38° | MDR3400-3F | 32° | MDR5300-3F | 41° |
| | | MDR1500-4F | 22° | MDR2400-4F | 20° | MDR2500-4F | 25° | MDR3400-4F | 21° | MDR5300-4F | 27° |
| **Operation** | **Focus** | Fixed | | | | | | | | | |
| | **Zoom** | | | | | | | | | | |
| | **Iris** | | | | | | | | | | |
| **Mechanical** | | | | | | | | | | | |
| **Camera Angle Adjustment** | **Pan** | -45° ~ 45° | | | | | | | | | |
| | **Tilt** | 0° ~ 90° | | | | | | | | | |
| | **Rotate** | 0° ~ 360° | | | | | | | | | |
| **Temperature Detector** | | Yes | | | | | | | | | |
| **Connectors** | **Power** | PoE | | | | | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | | | | | | |
| | **Audio** | built-in microphone | | | | | | | | | |
| | **Local Storage** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | | | | | | |
| **LED Indicator** | | 3 LEDs: Link, Power, Status | | | | | | | | | |
| **General** | | | | | | | | | | | |
| **Environment Temperature** | | -30 °C ~ 50 °C (-22 °F ~ 122 °F) | | | | | | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | | | | | | |
| **Power Source** | | PoE | | | | | | | | | |
| **Max. Power Consumption** | | 3.47 W | | 4.28 W | | 4.23 W | | 4.28 W | | 3.81 W | |
| **Regulatory** | | CE, FCC, RCM, EN50155, RoHS compliant | | | | | | | | | |
| **Dimensions** | **Camera Body** | ø 115 x 59.2 mm (4.5'' x 2.3'') | | | | | | | | | |
| | **Cable Length** | 1.054 m (41.5'') | | | | | | | | | |
| | **Cable Diameter** | ø 6.2 mm (0.24'') | | | | | | | | | |
| | **Connector Diameter** | M12: ø 14.7 mm (0.58'')<br>Waterproof: ø 27 mm (1.06'')<br>Non-waterproof (Smaller) : 16.8 x 13.8 mm (0.66'' x 0.54'') | | | | | | | | | |
| **Weight** | | 568g (1.3 lb) | | | | | | | | | |
| **Ingress Protection** | | IP67 | | | | | | | | | |
| **Vandal Resistance** | | IK10 for metal casing | | | | | | | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).

## Target Series Specifications

| | | GV-EBX1100 | | GV-EFD1100 | | GV-EBL1100 | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | 1/3" progressive scan low lux CMOS | | | | | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | | | | | |
| **Minimum Illumination** | **Color** | 0.05 Lux | | | | | |
| | **B/W** | 0.03 Lux | | | | | |
| | **IR ON** | 0 Lux | | | | | |
| **Shutter Speed** | | Auto, Manual (1/5 ~ 1/8000 sec) | | | | | |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | | | |
| **Gain Control** | | Automatic | | | | | |
| **S/N Ratio** | | 50 dB | | | | | |
| **Operation** | | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | | | |
| **Video Streaming** | | Dual streams | | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024 | | | | | |
| **Audio Compression** | | G.711, AAC (optional) | | | | N/A | |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | Yes | | | | | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | | | |
| **Lens Type** | | Fixed | | | | | |
| **Focal Length** | | GV-EBX1100-0F (Coming) | 2.8 mm | GV-EFD1100-0F (Coming) | 2.8 mm | GV-EBL1100-1F | 6 mm |
| | | GV-EBX1100-2F | 3.8 mm | GV-EFD1100-2F | 3.8 mm | GV-EBL1100-2F | 3.8 mm |
| **Maximum Aperture** | | GV-EBX1100-0F (Coming) | F/2.0 | GV-EFD1100-0F (Coming) | F/2.0 | GV-EBL1100-1F | F/1.8 |
| | | GV-EBX1100-2F | F/1.8 | GV-EFD1100-2F | F/1.8 | GV-EBL1100-2F | |
| **Mount** | | M12, Pitch 0.5 mm | | | | | |
| **Image Format** | | 1/2.7" | | | | | |
| **Horizontal FOV** | | GV-EBX1100-0F (Coming) | 93° | GV-EFD1100-0F (Coming) | 93° | GV-EBL1100-1F | 44° |
| | | GV-EBX1100-2F | 64° | GV-EFD1100-2F | 64° | GV-EBL1100-2F | 64° |
| **Operation** | **Focus** | Fixed | | | | | |
| | **Zoom** | | | | | | |
| | **Iris** | | | | | | |
| **IR LED Quantity** | | 8 IR LEDs | | 12 IR LEDs | | 24 IR LEDs | |
| **Max. IR Distance** | | 15 m (50 ft) | | | | 30 m (98.4 ft) | |
| **Mechanical** | | | | | | | |
| **Camera Angle Adjustment** | **Pan** | N/A | | -45° ~ 45° | | N/A | |
| | **Tilt** | | | 0° ~ 63° | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 cable | | | | | |
| | **Audio** | 1 In (built-in microphone) | | | | N/A | |
| **LED Indicator** | | 2 LEDs: Power, Status | | 4 LEDs: Link, ACT, Power, Status | | 4 LEDs: Link, ACT, Power, Status<br>* Inside camera, not visible from outside | |
| **General** | | | | | | | |
| **Environment Temperature** | | 0°C ~ 50°C (32°F ~122°F) | | 0°C ~ 45°C (32°F ~113°F) | | Start-up | -20°C ~ 50°C (-4°F ~122°F) |
| | | | | | | Operation | -30°C ~ 50°C (-22°F ~122°F) |
| **Humidity** | | 10% to 90% (no condensation) | | | | | |
| **Power Source** | | 12V DC / PoE | | | | | |
| **Max. Power Consumption** | | 5.36 W | | 5.8 W | | 7.8 W | |
| **Regulatory** | | CE, FCC, C-Tick, RCM, RoHS compliant | | | | | |
| **Dimensions (L X W X H)** | | 95 x 45 x 40 mm (3.7'' x 1.8'' x 1.6'') | | ø 100 x 60 mm (3.9'' x 2.4'') | | 115 x 76 x 73 mm (4.5'' x 3.0'' x 2.9'') | |
| **Weight** | | 120 g (0.26 lb) | | 148 g (0.33 lb) | | 547 g (1.20 lb) | |
| **Ingress Protection** | | N/A | | | | IP67 | |
| **Vandal Resistance** | | N/A | | | | IK10 for metal casing | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).

## PT and PTZ Camera Specifications

| | | GV-PT130D | GV-PT220D | GV-PT320D | GV-PTZ010D-N | GV-PTZ010D-P |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Camera** | | | | | | |
| **Image Sensor** | | 1/2.5" progressive scan CMOS | | | 1/4" CCD image sensor | |
| **Picture Elements** | | 1280 (H) x 1024 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | 704 (H) x 480 (V) | 704 (H) x 576 (V) |
| **Minimum Illumination** | **Color** | 0.15 Lux | | | 2.5 Lux (50 IRE, F/1.8) | |
| | **B/W** | 0.10 Lux | | | 0.07 Lux (50 IRE, F/1.8) | |
| | **IR ON** | 0 Lux | | | N/A | |
| **Shutter Speed** | | Automatic, Manual (1/5 ~ 1/8000 sec) | | | Auto, Manual (1/60 ~ 1/120,000 sec) | Auto, Manual (1/50 ~ 1/120,000 sec) |
| **White Balance** | | Auto, Manual (2800K ~ 8500K) | | | Auto, Manual (3200K ~ 9600K) | |
| **Gain Control** | | Automatic | | | | |
| **BLC** | | Yes | | | Yes | |
| **Operation** | | | | | | |
| **Video Compression** | | H.264, MJPEG | | | H.264, MPEG4, MJPEG | |
| **Video Streaming** | | Dual streams | | | | |
| **Frame Rate** | | 30 fps at 1280 x 1024, | 30 fps at 1920 x 1080 | 20 fps at 2048 x 1536 | 30 fps at 704 x 480 | 25 fps at 704 x 576 |
| **Audio Compression** | | G.711, AAC (optional) | | | | |
| **Sensor Input** | | 1 Input (Dry Contact) | | | | |
| **Alarm Output** | | 1 Digital output (200mA 5V DC) | | | | |
| **Optical Lens** | | | | | | |
| **Megapixel** | | Yes | | | No | |
| **Day/Night** | | Yes (with removable IR-cut filter) | | | Yes (electronic) | |
| **Focal Length** | | 4.0 mm | | | 4.2 ~ 42 mm | |
| **Maximum Aperture** | | F/1.5 | | | F/1.8 ~ 2.9 | |
| **Mount** | | M12, Pitch 0.5 mm | | | No | |
| **Image Format** | | 1/2.5" | | | 1/4" | |
| **Horizontal FOV** | | 49° | 58° | 62° | N/A | |
| **Operation** | **Focus** | Manual (w/lock) | | | Auto Focus | |
| | **Zoom** | Fixed | | | 100X (10X Optical, 10X Digital) | |
| | **Iris** | Fixed | | | Fixed | |
| **IR LED Quantity** | | 10 IR LEDs | | | N/A | |
| **Max. IR Distance** | | 15 m (50 ft) | | | N/A | |
| **Mechanical** | | | | | | |
| **Camera Angle Adjustment** | **Pan** | -175° ~ 175° | | | | |
| | **Tilt** | -45° ~ 90° | | | | |
| **Temperature Detector** | | Yes | | | | |
| **Connectors** | **Power** | 2-pin terminal block, PoE | | | | |
| | **Ethernet** | Ethernet (10/100 Base-T), RJ-45 connector | | | | |
| | **Audio** | 1 In (built-in microphone or external microphone)<br>1 Out (Stereo phone jack, 3.5 mm / 0.14'') | | | | |
| | **Digital I/O** | 3-pin terminal block, pitch 2.5 mm / 0.1'' | | | | |
| | **Local Storage** | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| **LED Indicator** | | 2 LEDs: Power, Status | | | | |
| **General** | | | | | | |
| **Environment Temperature** | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | | |
| **Humidity** | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | |
| **Max. Power Consumption** | | 12.5 W | | | | |
| **Regulatory** | | CE, FCC, C-Tick, RoHS compliant | | | | |
| **Dimensions** | **With Base** | 167.75 x 166.78 x 135.2 mm (6.6'' x 6.7'' x 5.32'') | | | | |
| | **Without Base** | 124.55 x 122.73 x 133.3 mm (4.9'' x 4.83'' x 5.25'') | | | | |
| **Weight** | | 440 g (0.97 lb) | | | 490 g (1.08 lb) | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Fisheye Camera Specifications (Part 1)

| | | | GV-FE420 (Indoor) | GV-FE421 (Indoor) | GV-FE520 (Indoor) | GV-FE521 (Indoor) | GV-FER521 (Outdoor) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Camera** | | | | | | | |
| **Image Sensor** | | | 1/2.5" progressive scan CMOS | | | | |
| **Picture Elements** | | | 2048 (H) x 1944 (V) | | 2560 (H) x 1920 (V) | | |
| **Minimum Illumination** | **Color** | | 0.15 Lux | | | | |
| | **B/W** | | 0.10 Lux | | | | |
| | **IR ON** | | N/A | | | | |
| **Shutter Speed** | | | Auto, Manual (1/5 ~ 1/8000sec) | | | | |
| **White Balance** | | | Auto, Manual (2800K ~ 8500K) | | | | |
| **Gain Control** | | | Automatic | | | | |
| **S/N Ratio** | | | 45 dB | | | | |
| **Operation** | | | | | | | |
| **Video Compression** | | | H.264, MJPEG | | | | |
| **Video Streaming** | | | Single Stream from H.264 or MJPEG | | | | |
| **Frame Rate** | | | 15 fps at 2048 x 1944 | | 10 fps at 2560 x 1920<br>15 fps at 2048 x 1944 | | |
| **Audio Compression** | | | G.711, AAC (optional) | | | | |
| **Sensor Input** | | | 1 Input (Dry Contact) | | | | No |
| **Alarm Output** | | | 1 Digital output (200mA 5V DC) | | | | No |
| **Optical Lens** | | | | | | | |
| **Megapixel** | | | Yes | | | | |
| **Day/Night** | | | Yes (electronic) | | | | |
| **Focal Length** | | | 1.05 mm | | 1.6 mm | | |
| **Maximum Aperture** | | | F/2.8 | | F/2 | | |
| **Mount** | | | M12, Pitch 0.5 mm / 0.02'' | | | | |
| **Image Format** | | | 1/2" | | 4.7 mm (Image Circle) | | |
| **Horizontal FOV** | | | 180° | | | | |
| **Operation** | **Focus** | | Fixed | | | | |
| | **Zoom** | | | | | | |
| | **Iris** | | | | | | |
| **Mechanical** | | | | | | | |
| **Temperature Detector** | | | Yes | | | | |
| **Connectors** | **Power** | | Terminal block (2 pin), PoE | | | | |
| | **Ethernet** | | Ethernet (10/100 Base-T), RJ-45 connector | | | | |
| | **Audio** | | built-in microphone and speaker | | | | |
| | **Digital I/O** | | I/O Wire | | | | No |
| | **Local Storage** | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | | | |
| **General** | | | | | | | |
| **Environment Temperature** | | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | | | -30 °C ~ 50 °C /<br>-22 °F ~ 122 °F |
| **Humidity** | | | 10% to 90% (no condensation) | | | | |
| **Power Source** | | | 12V DC / 24V AC / PoE (IEEE802.3af) | | | | PoE (IEEE802.3af) |
| **Max. Power Consumption** | | | 5 W | | | | |
| **Regulatory** | | | CE, FCC, C-Tick, RoHS compliant | | | | |
| **Dimensions** | **Camera Body** | **Hard-Ceiling Mount** | ø 160 x 47.66 mm (6.30'' x 1.88'') | | ø 160 x 44.9 mm (6.30'' x 1.77'') | | ø 160 x 46.4 mm<br>(6.30'' x 1.83'') |
| | | **In-Ceiling Mount** | ø 164 x 47.66 mm (6.46'' x 1.88'') | | ø 164 x 44.9 mm (6.46'' x 1.77'') | | ø 164 x 46.4 mm<br>(6.46'' x 1.83'') |
| | **Cable Length** | | 1 m (3.28 ft) | | | | 1 m (3.28 ft) |
| | **Cable Diameter** | | ø 8 mm (0.31'') | | | | ø 6.2 mm (0.24'') |
| | **Max. Connector Diameter** | | ø 28.5 (1.12'') | | | | ø 30 (1.18'') |
| **Weight** | | | 650 g (1.43 lb) | | | | 480 g (1.06 lb) |
| **Ingress Protection** | | | No | | | | IP66 |
| **Vandal Resistance** | | | No | | | | IK10 for metal casing |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Fisheye Camera Specifications (Part 2)

| | | | GV-FE2301 (Indoor) | GV-FE4301 (Indoor) |
|---|---|---|---|---|
| | | | | |
| **Camera** | | | | |
| **Image Sensor** | | | 1/2.5" progressive scan CMOS | |
| **Picture Elements** | | | 1440 (H) x 1376 (V) | 2048 (H) x 1944 (V) |
| **Minimum Illumination** | **Color** | | 0.15 Lux | |
| | **B/W** | | 0.10 Lux | |
| | **IR ON** | | N/A | |
| **Shutter Speed** | | | Auto, Manual (1/5 ~ 1/8000sec) | |
| **White Balance** | | | Auto, Manual (2800K ~ 8500K) | |
| **Gain Control** | | | Automatic | |
| **S/N Ratio** | | | 45 dB | |
| **Operation** | | | | |
| **Video Compression** | | | H.264, MJPEG | |
| **Video Streaming** | | | Single Stream from H.264 or MJPEG | |
| **Frame Rate** | | | 15 fps at 1440 x 1376 | 15 fps at 2048 x 1944 |
| **Audio Compression** | | | G.711, AAC (optional) | |
| **Sensor Input** | | | 1 Input (Dry Contact) | |
| **Alarm Output** | | | 1 Digital output (200mA 5V DC) | |
| **Optical Lens** | | | | |
| **Megapixel** | | | Yes | |
| **Day/Night** | | | Yes (electronic) | |
| **Focal Length** | | | 1.05 mm | |
| **Maximum Aperture** | | | F/2.8 | |
| **Mount** | | | M12, Pitch 0.5 mm / 0.02 in | |
| **Image Format** | | | 1/2" | |
| **Horizontal FOV** | | | 180° | |
| **Operation** | **Focus** | | Fixed | |
| | **Zoom** | | | |
| | **Iris** | | | |
| **Mechanical** | | | | |
| **Temperature Detector** | | | Yes | |
| **Connectors** | **Power** | | Terminal block (2 pin), PoE | |
| | **Ethernet** | | Ethernet (10/100 Base-T), RJ-45 connector | |
| | **Audio** | | built-in microphone and speaker | |
| | **Digital I/O** | | I/O Wire | |
| | **Local Storage** | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | |
| **General** | | | | |
| **Environment Temperature** | | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | |
| **Humidity** | | | 10% to 90% (no condensation) | |
| **Power Source** | | | 12V DC / 24V AC / PoE (IEEE802.3af) | |
| **Max. Power Consumption** | | | 5 W | |
| **Regulatory** | | | CE, FCC, C-Tick, RoHS compliant | |
| **Dimensions** | **Camera Body** | **Hard-Ceiling Mount** | ø 160 x 47.66 mm (6.30'' x 1.88'') | |
| | | **In-Ceiling Mount** | ø 164 x 47.66 mm (6.46'' x 1.88'') | |
| | **Cable Length** | | 1 m (3.28 ft) | |
| | **Cable Diameter** | | ø 8 mm (0.31'') | |
| | **Max. Connector Diameter** | | ø 28.5 (1.12'') | |
| **Weight** | | | 650 g (1.43 lb) | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Fisheye Camera Specifications (Part 3)

| | | | GV-FE2302 (Indoor) | GV-FE3402 (Indoor) | GV-FE5302 (Indoor) |
|---|---|---|---|---|---|
| | | | Without IR Ring | | |
| | | | | | |
| **Camera** | | | | | |
| **Image Sensor** | | | 1/2.5" progressive scan CMOS | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | | 1440 (H) x 1376 (V) | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | | 0.15 Lux | 0.08 Lux | 0.15 Lux |
| | **B/W** | | 0.10 Lux | 0.05 Lux | 0.10 Lux |
| | **IR ON** | | N/A | | |
| **Shutter Speed** | | | Automatic, Manual (1/5 ~ 1/8000 sec.) | | |
| **White Balance** | | | Auto, Manual (2800K ~ 8500K) | | |
| **Gain Control** | | | Automatic | | |
| **S/N Ratio** | | | 45 dB | 47 dB | 45 dB |
| **WDR Pro (with WDR Sensor)** | | | N/A | Yes | N/A |
| **Operation** | | | | | |
| **Video Compression** | | | H.264, MJPEG | | |
| **Video Streaming** | | | Single Stream from H.264 or MJPEG | | |
| **Frame Rate** | | | 15 fps at 1440 x 1376 and 1280 x 1200 | 15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200 | 10 fps at 2560 x 1920<br>15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200 |
| **Audio Compression** | | | G.711, AAC (optional) | | |
| **Sensor Input** | | | N/A | | |
| **Alarm Output** | | | N/A | | |
| **Optical Lens** | | | | | |
| **Megapixel** | | | Yes | | |
| **Day/Night** | | | Yes (with removable IR-cut filter) | | |
| **Focal Length** | | | 1.19 mm | | 1.05 mm |
| **Maximum Aperture** | | | F/2.0 | | F/2.8 |
| **Mount** | | | M12, Pitch 0.5 mm | | |
| **Image Format** | | | 4.1 mm (image circle) | | 2.5'' |
| **Horizontal FOV** | | | 180° | | |
| **Operation** | **Focus** | | Fixed | | |
| | **Iris** | | | | |
| | **Zoom** | | | | |
| **Mechanical** | | | | | |
| **Temperature Detector** | | | Yes | | |
| **Connectors** | **Power** | | Terminal block (2 pin), PoE | | |
| | **Ethernet** | | Ethernet (10/100 Base-T), RJ-45 Connector | | |
| | **Audio** | | 1 In (built-in microphone)<br>1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14") | | |
| | **Local Storage** | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | | |
| | **Mini USB** | | GV-WiFi Adapter or USB hard drive | | |
| **General** | | | | | |
| **Environment Temperature** | | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | | |
| **Humidity** | | | 10% to 90% (no condensation) | | |
| **Power Source** | | | 12V DC / 24V AC / PoE (IEEE802.3af) | | |
| **Max. Power Consumption** | | | 8.6 W | | |
| **Regulatory** | | | CE, FCC, RCM, RoHS compliant | | |
| **Dimensions** | **Camera Body** | **Hard-Ceiling Mount** | Ø 160.25 x 48.36 mm (6.31 x 1.93'') | | |
| | | **In-Ceiling Mount** | Ø 166.48 x 48.36 mm (6.55 x 1.93'') | | |
| **Weight** | | | 410 g (0.9 lb) | | |
| **Vandal Resistance** | | | IK10+ for metal casing | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Fisheye Camera Specifications (Part 4)

| | | | GV-FE3403 (Indoor) | GV-FE5303 (Indoor) |
|---|---|---|---|---|
| | | | With IR Ring | |
| | | | | |
| **Camera** | | | | |
| **Image Sensor** | | | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | | 0.08 Lux | 0.15 Lux |
| | **B/W** | | 0.05 Lux | 0.10 Lux |
| | **IR ON** | | 0 Lux | |
| **Shutter Speed** | | | Automatic, Manual (1/5 ~ 1/8000 sec.) | |
| **White Balance** | | | Auto, Manual (2800K ~ 8500K) | |
| **Gain Control** | | | Automatic | |
| **S/N Ratio** | | | 47 dB | 45 dB |
| **WDR Pro (with WDR Sensor)** | | | Yes | N/A |
| | | | | |
| **Video Compression** | | | H.264, MJPEG | |
| **Video Streaming** | | | Single Stream from H.264 or MJPEG | |
| **Frame Rate** | | | 15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200 | 10 fps at 2560 x 1920; 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200 |
| **Audio Compression** | | | G.711, AAC (optional) | |
| **Sensor Input** | | | N/A | |
| **Alarm Output** | | | N/A | |
| | | | | |
| **Megapixel** | | | Yes | |
| **Day/Night** | | | Yes (with removable IR-cut filter) | |
| **Focal Length** | | | 1.19 mm | 1.05 mm |
| **Maximum Aperture** | | | F/2.0 | F/2.8 |
| **Mount** | | | M12, Pitch 0.5 mm | |
| **Image Format** | | | 4.1 mm (image circle) | 2.5” |
| **Horizontal FOV** | | | 180° | |
| **Operation** | **Focus** | | Fixed | |
| | **Iris** | | | |
| | **Zoom** | | | |
| **IR LED Quantity** | | | 6 IR LEDs | |
| **Max. IR Distance** | | | 10 m (32.81 ft.) | |
| | | | | |
| **Temperature Detector** | | | Yes | |
| **Connectors** | **Power** | | Terminal block (2 pin), PoE | |
| | **Ethernet** | | Ethernet (10/100 Base-T), RJ-45 Connector | |
| | **Audio** | | 1 In (built-in microphone)<br>1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14") | |
| | **Local Storage** | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | |
| | **Mini USB** | | GV-WiFi Adapter or USB hard drive | |
| | | | | |
| **Environment Temperature** | | | 0 °C ~ 50 °C (32 °F ~ 122 °F) | |
| **Humidity** | | | 10% to 90% (no condensation) | |
| **Power Source** | **w/o PoE Converter** | | Camera: 12V DC / 24V AC / PoE (IEEE802.3af)<br>IR LED ring: 12V DC | |
| | **w/ PoE Converter** | | PoE (IEEE802.3 at) | |
| **Max. Power Consumption** | **w/o PoE Converter** | | 22 W | |
| | **w/ PoE Converter** | | 30 W | |
| **Regulatory** | | | CE, FCC, RCM, RoHS compliant | |
| **Dimensions** | **Camera Body** | **Hard-Ceiling Mount (with IR LED Ring)** | Ø 175 x 48.36 mm (6.89” x 1.93”) | |
| **Weight** | **w/o PoE Converter** | | 870 g (1.92 lb) | |
| | **w/ PoE Converter** | | 1.045 kg (2.3 lb) | |
| **Vandal Resistance** | | | IK10+ for metal casing | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Fisheye Camera Specifications (Part 5)

| | | | GV-FER3402 (Outdoor) | GV-FER5302 (Outdoor) |
|---|---|---|---|---|
| | | | Without IR Ring | |
| | | | | |
| **Camera** | | | | |
| **Image Sensor** | | | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | | 0.08 Lux | 0.15 Lux |
| | **B/W** | | 0.05 Lux | 0.10 Lux |
| | **IR ON** | | N/A | |
| **Shutter Speed** | | | Automatic, Manual (1/5 ~ 1/8000 sec.) | |
| **White Balance** | | | Auto, Manual (2800K ~ 8500K) | |
| **Gain Control** | | | Automatic | |
| **S/N Ratio** | | | 47 dB | 45 dB |
| **WDR Pro (with WDR Sensor)** | | | Yes | N/A |
| **Operation** | | | | |
| **Video Compression** | | | H.264, MJPEG | |
| **Video Streaming** | | | Single Stream from H.264 or MJPEG | |
| **Frame Rate** | | | 15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200 | 10 fps at 2560 x 1920<br>15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200 |
| **Audio Compression** | | | G.711, AAC (optional) | |
| **Sensor Input** | | | N/A | |
| **Alarm Output** | | | N/A | |
| **Optical Lens** | | | | |
| **Megapixel** | | | Yes | |
| **Day/Night** | | | Yes (with removable IR-cut filter) | |
| **Focal Length** | | | 1.19 mm | 1.05 mm |
| **Maximum Aperture** | | | F/2.0 | F/2.8 |
| **Mount** | | | M12, Pitch 0.5 mm | |
| **Image Format** | | | 4.1 mm (image circle) | 2.5'' |
| **Horizontal FOV** | | | 180° | |
| **Operation** | **Focus** | | Fixed | |
| | **Iris** | | | |
| | **Zoom** | | | |
| **IR LED Quantity** | | | N/A | |
| **Max. IR Distance** | | | N/A | |
| **Mechanical** | | | | |
| **Temperature Detector** | | | Yes | |
| **Connectors** | **Power** | | Terminal block (2 pin), PoE | |
| | **Ethernet** | | Ethernet (10/100 Base-T), RJ-45 Connector | |
| | **Audio** | | 1 In (built-in microphone), 1 Out (built-in speaker) | |
| | **Local Storage** | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | |
| **General** | | | | |
| **Environment Temperature** | | | -30°C ~ 50°C (-22°F ~ 122°F) | |
| **Humidity** | | | 10% to 90% (no condensation) | |
| **Power Source** | | | 12V DC / 24V AC / PoE (IEEE802.3af) | |
| **Max. Power Consumption** | | | 3.6 W | |
| **Regulatory** | | | CE, FCC, RCM, RoHS compliant | |
| **Dimensions** | **Camera Body** | **Hard-Ceiling Mount** | Ø 160.25 x 48.36 mm (6.31" x 1.93'') | |
| | | **In-Ceiling Mount** | Ø 166.48 x 48.36 mm (6.55" x 1.93'') | |
| | **Cable Length** | | 1 m (3.28 ft.) | |
| | **Cable Diameter** | | Ø 6.2 mm (0.24'') | |
| | **Max. Connector Diameter** | | Ø 30 mm (1.18'') | |
| **Weight** | | | 500 g (1.1 lb) | |
| **Ingress Protection** | | | IP67 | |
| **Vandal Resistance** | | | IK10+ for metal casing | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## Fisheye Camera Specifications (Part 6)

| | | | GV-FER3403 (Outdoor) | GV-FER5303 (Outdoor) |
|---|---|---|---|---|
| | | | With IR Ring | |
| | | | | |
| **Camera** | | | | |
| **Image Sensor** | | | 1/3.2" progressive scan CMOS | 1/2.5" progressive scan CMOS |
| **Picture Elements** | | | 2048 (H) x 1536 (V) | 2560 (H) x 1920 (V) |
| **Minimum Illumination** | **Color** | | 0.08 Lux | 0.15 Lux |
| | **B/W** | | 0.05 Lux | 0.10 Lux |
| | **IR ON** | | 0 Lux | |
| **Shutter Speed** | | | Automatic, Manual (1/5 ~ 1/8000 sec.) | |
| **White Balance** | | | Auto, Manual (2800K ~ 8500K) | |
| **Gain Control** | | | Automatic | |
| **S/N Ratio** | | | 47 dB | 45 dB |
| **WDR Pro (with WDR Sensor)** | | | Yes | N/A |
| **Operation** | | | | |
| **Video Compression** | | | H.264, MJPEG | |
| **Video Streaming** | | | Single Stream from H.264 or MJPEG | |
| **Frame Rate** | | | 15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200 | 10 fps at 2560 x 1920<br>15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200 |
| **Audio Compression** | | | G.711, AAC (optional) | |
| **Sensor Input** | | | N/A | |
| **Alarm Output** | | | N/A | |
| **Optical Lens** | | | | |
| **Megapixel** | | | Yes | |
| **Day/Night** | | | Yes (with removable IR-cut filter) | |
| **Focal Length** | | | 1.19 mm | 1.05 mm |
| **Maximum Aperture** | | | F/2.0 | F/2.8 |
| **Mount** | | | M12, Pitch 0.5 mm | |
| **Image Format** | | | 4.1 mm (image circle) | 2.5'' |
| **Horizontal FOV** | | | 180° | |
| **Operation** | **Focus** | | Fixed | |
| | **Iris** | | | |
| | **Zoom** | | | |
| **IR LED Quantity** | | | 6 IR LEDs | |
| **Max. IR Distance** | | | 10 m (32.81 ft.) | |
| **Mechanical** | | | | |
| **Temperature Detector** | | | Yes | |
| **Connectors** | **Power** | | Terminal block (2 pin), PoE | |
| | **Ethernet** | | Ethernet (10/100 Base-T), RJ-45 Connector | |
| | **Audio** | | 1 In (built-in microphone), 1 Out (built-in speaker) | |
| | **Local Storage** | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | |
| **General** | | | | |
| **Environment Temperature** | | | -30°C ~ 50°C (-22°F ~ 122°F) | |
| **Humidity** | | | 10% to 90% (no condensation) | |
| **Power Source** | | | Camera: 12V DC / 24V AC / PoE (IEEE802.3af)<br>IR LED ring: 12V DC | |
| **Max. Power Consumption** | | | 22 W | |
| **Regulatory** | | | CE, FCC, RCM, RoHS compliant | |
| **Dimensions** | **Camera Body** | **Hard-Ceiling Mount (with IR LED Ring)** | Ø 175 x 48.36 mm (6.89" x 1.93'') | |
| | **Cable Length** | | 1 m (3.28 ft.) | |
| | **Cable Diameter** | | Ø 6.2 mm (0.24'') | |
| | **Max. Connector Diameter** | | Ø 30 mm (1.18'') | |
| **Weight** | | | 960 g (2.12 lb) | |
| **Ingress Protection** | | | IP67 | |
| **Vandal Resistance** | | | IK10+ for metal casing | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

## IP Speed Dome Camera Specifications (Part 1)

| Camera | | GV-SD010 (Indoor) | | | GV-SD010-S (Outdoor) | | |
|---|---|---|---|---|---|---|---|
| | | 18X | 23X | 36X | 18X | 23X | 36X |
| | | | | | | | |
| Image Sensor | | 1/4" Exview CCD | 1/4" Progressive CCD | 1/4" Exview CCD | 1/4" Exview CCD | 1/4" Progressive CCD | 1/4" Exview CCD |
| Picture Elements | NTSC | 704 (H) x 480 (V) | | | | | |
| | PAL | 704 (H) x 576 (V) | | | | | |
| Minimum Illumination | Color | 0.07 lux | 0.1 lux | 0.1 lux | 0.07 lux | 0.1 lux | 0.1 lux |
| | B/W | 0.01 lux | | | 0.01 lux | | |
| | IR ON | 0 lux | | | | | |
| Shutter Speed | NTSC | 1 ~ 1/10000 sec | 1/2 ~ 1/30000 sec | 1 ~ 1/10000 sec | 1 ~ 1/10000 sec | 1/2 ~ 1/30000 sec | 1 ~ 1/10000 sec |
| | PAL | | 1/1.5 ~ 1/30000 sec | | | 1/1.5 ~ 1/30000 sec | |
| White Balance | | Auto / Manual | | | | | |
| Gain Control | | Auto / Manual | | | | | |
| S/N Ratio | | > 50 dB (AGC Off) | | | | | |
| BLC | | On / Off | | | | | |
| Optical Zoom | | 18X | 23X | 36X | 18X | 23X | 36X |
| Digital Zoom | | 12X | | | | | |
| Video Compression | | H.264, MPEG4, MJPEG | | | | | |
| Video Streaming | | Stream 1 from H.264, MPEG4 or MJPEG<br>Stream 2 from H.264, MPEG4 or MJPEG | | | | | |
| Frame Rate | | 30/25 fps (60/50 Hz) at 704 x 480 / 704 x 576 | | | | | |
| Audio Compression | | G.711, AAC (optional) | | | | | |
| Sensor Input | | 4 | | | | | |
| Alarm Output | | 1 | | | | | |
| Pan Travel | | 360° endless | | | | | |
| Tilt Travel | | -10° ~ 190° | | | | | |
| Manual Speed | | 0.5° ~ 90°/s | | | | | |
| Presets | | 256 | | | | | |
| Preset Accuracy | | 0.225° | | | | | |
| Preset Speed | | 5° ~ 400°/s | | | | | |
| Sequence | | 8 | | | | | |
| Auto Pan | | 4 | | | | | |
| Cruise | | 4 | | | | | |
| Privacy Mask | | 24 | 8 | 24 | 24 | 8 | 24 |
| Wide Dynamic Range | | On / Off | | | | | |
| Optical Lens | | | | | | | |
| Day/Night | | Yes (with removable IR Cut Filter) | | | | | |
| Focal Length | | 4.1 ~ 73.8 mm | | | | | |
| Maximum Aperture | | F1.4 to F3.0 | F1.6 to F3.7 | F1.6 to F4.5 | F1.4 to F3.0 | F1.6 to F3.7 | F1.6 to F4.5 |
| Operation (Focus/Zoom/Iris) | | Auto/Manual | | | | | |
| Mechanical | | | | | | | |
| Connectors | Power | 3-pin terminal block | | | | | |
| | Ethernet | Ethernet (10/100 Base-T), RJ-45 connector | | | | | |
| | Audio | 1 in 1 out (stereo jack, ø 35 mm) | | | | | |
| | Digital I/O | 4 in 1 out (I/O Wires) | | | | | |
| | TV-Out | BNC Connector (D1 Resolution) | | | | | |
| General | | | | | | | |
| Environment Temperature | | 0 °C ~ 40 °C (32 °F ~ 104 °F) | | -45 °C ~ 50 °C (-49 °F ~ -122 °F) | | | |
| Humidity | | 20% to 90% (no condensation) | | | | | |
| Power Source | | 24V AC ± 10%, 1.5A | | 24V AC ± 10%, 3A | | | |
| Max. Power Consumption | | 20 W | | 65 W (with Heater) | | | |
| Regulatory | | CE, FCC, RoHS compliant | | CE, FCC, RoHS compliant | | | |
| Dimensions | Camera Body | ø 131 x 226 mm (5.2'' x 8.9'') | | Without sunshield: ø 172 x 302.5 mm (6.7'' x 11.9'')<br>With sunshield: ø 190 x 302.5 mm (97.5'' x 11.9'') | | | |
| Weight | | 1.6 kg (3.5 lb) | | With sunshield: 2.6 kg (5.7 lb) | | | |
| Ingress Protection | | No | | IP66 | | | |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.

# IP Speed Dome Camera Specifications (Part 2)

| Camera | | GV-SD200 (Indoor) | GV-SD200-S (Outdoor) | GV-SD220 (Indoor) | GV-SD220-S (Outdoor) |
|---|---|---|---|---|---|
| | | 18X | 18X | 20X / 30X | 20X / 30X |
| | | | | | |
| Image Sensor | | 1/2.8 Progressive Scan CMOS | | | |
| Picture Elements | | 1920 (H) x 1080 (V) | | 1920 (H) x 1080 (V) | |
| Minimum Illumination | Color | 0.05 lux at F/1.6 | | 0.05 lux at F/1.6 | |
| | B/W | 0.01 lux at F/1.6 | | 0.005 lux at F/1.6 | |
| Shutter Speed | | 1/30 ~ 1/10000 sec | | 1/1 ~ 1/10000 sec | |
| White Balance | | Auto / Indoor / Outdoor / ATW / Manual | | Auto / Manual | |
| Gain Control | | Auto / Manual | | | |
| AGC Control | | Auto / Manual | | | |
| S/N Ratio | | - | | > 50 dB (AGC Off) | |
| BLC | | On / Off | | | |
| Optical Zoom | | 18X | | 20x / 30x | |
| Digital Zoom | | 10X | | 12x | |
| WDR Pro (with WDR sensor) | | Yes | | | |
| **Operation** | | | | | |
| Video Compression | | H.264, MJPEG | | | |
| Video Streaming | | Dual Streams | | | |
| Frame Rate | | 30/25 fps (60/50 Hz) at 1920 x 1080 | | 30/25 fps (60/50 Hz) at 1920 x 1080<br>60/50 fps (60/50 Hz) at 1280 x 720 | |
| Audio Compression | | G.711 | | G.711, AAC (optional) | |
| Sensor Input | | 4 | | | |
| Alarm Output | | 2 | | 1 | |
| Pan Travel | | 360° endless | | | |
| Tilt Travel | | -10° ~ 190° | | 0° ~ 180° | |
| Proportional Pan & Tilt | | On / Off (pan and tilt speed is proportional to the zoom ratio) | | | |
| Auto Flip | | Digital / Mechanical / Off | | | |
| Movement Speed | | 0.5° ~ 90°/s (except Preset) | | 0.5° ~ 460°/s | |
| Presets | | 256 | | 255 | |
| Preset Accuracy | | 0.225° | | 0.2° | |
| Preset Speed | | 5° ~ 400°/s | | 0.5° ~ 460°/s | |
| Sequence | | 8 | | | |
| Auto Pan | | 4 | | 8 | |
| Cruise | | 8 | | 4 | |
| Tour | | 16 | | 8 | |
| Privacy Mask | | 16 | | 8 | |
| Wide Dynamic Range | | On / Off | | | |
| Calibration | | Auto / Manual | | | |
| **Optical Lens** | | | | | |
| Megapixel | | Yes | | | |
| Day/Night | | Yes (with removable IR Cut Filter) | | | |
| Focal Length | | 4.7 ~ 84.6 mm | | 4.7 ~ 94.0 mm | |
| Maximum Aperture | | F1.6 | | | |
| Operation | Focus | Auto/Manual | | | |
| | Iris | | | | |
| | Zoom | | | | |
| **Mechanical** | | | | | |
| Temperature Detector | | No | | Yes | |
| Connectors | Power | 3-pin terminal block, Hight power PoE(AT) | 3-pin terminal block | DC Jack | |
| | Ethernet | Ethernet (10/100 Base-T), RJ-45 Connector | | | |
| | Audio | 1 in 1 out (terminal block) | | 1 in 1 out (RCA female) | |
| | Digital I/O | 4 in 2 out (12-pin terminal block) | | 4 in 1 out (I/O wires) | |
| | Local Storage | Micro SD card slot (SDHC for Class 6 card or above) | | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported | |
| **General** | | | | | |
| Environment Temperature | | 0 °C ~ 40 °C (32 °F ~ 104 °F) | -40 °C ~ 50 °C (-40 °F ~ -122 °F) | -10 °C ~ 50 °C (14 °F ~ -122 °F) | -40 °C ~ 50 °C (-40 °F ~ -122 °F) |
| Humidity | | 10% to 90% (no condensation) | | 20% to 90% (no condensation) | |
| Power Source | | 24V AC ± 10%, 1.5A, PoE | 24V AC ± 10%, 3A | 24V AC ± 10%, 3A; 24V DC ± 10%, 3.75A | |
| Max. Power Consumption | | 20 W | 65 W (with Heater) | 30 W | 60 W (with 30W heater) |
| Regulatory | | CE, FCC, RoHS | | | |
| Dimensions | Camera Body | ø 171.7 x 228.71 mm (6.76'' x 9'') | With sunshield:<br>ø 191.97 x 282.11 mm (7.55'' x 11.1'') | ø 172 x 221.9 mm (7'' x 8.8'') | ø 220 x 297.75 mm (8.7'' x 11.7'') |
| Weight | | 1.62 kg (3.57 lb) | With sunshield: 2.32 kg (5.11 lb) | 3.2 Kg (7.1 lb) | 4.7 Kg (10.4 lb) |
| Ingress Protection | | - | IP66 | - | IP67 |
| Vandal Resistance | | - | - | - | IK10 for metal and polycarbonate casing |

**Note:**

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).