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## Box Camera Specifications (Part 1)

|                                  | GV-BX1500 Series   |  | GV-BX2500 Series  |   | GV-BX2600   |          |
|----------------------------------|--|--|---|---|---|----------|
|                                  | GV-BX1500- 8F  | GV-BX1500-3V   | GV-BX2500 -8F   | GV-BX2500-3V  |   |          |
|                                  | Fixed Lens   | Varifocal Lens   | Fixed Lens  | Varifocal Lens  |   |          |
|                                  |   |   |  |  |  |          |
| <b>Camera</b>                    |  |  |   |   |   |          |
| <b>Image Sensor</b>              | 1/3" progressive scan super low lux CMOS   |  | 1/2.8" progressive scan super low lux CMOS  |   |   |          |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)  |  | 1920 (H) x 1080 (V)   |   |   |          |
| <b>Minimum Illumination</b>      | <b>Color</b>   | 0.01 Lux   |   | 0.02 Lux  |   |          |
|                                  | <b>B/W</b>   | 0.01 Lux   |   | 0.02 Lux  |   |          |
|                                  | <b>IR ON</b>   | 0 Lux  |   |   |   |          |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000 sec)  |  |   |   |   |          |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)   |  |   |   |   |          |
| <b>Gain Control</b>              | Automatic  |  |   |   |   |          |
| <b>S/N Ratio</b>                 | 55 dB  |  | 52 dB   |   |   |          |
| <b>WDR Pro (with WDR Sensor)</b> | N/A  |  | N/A   |   | Yes   |          |
| <b>Dynamic Range</b>             | Up to 72 dB  |  |   |   | Up to 110 dB  |          |
| <b>Operation</b>                 |  |  |   |   |   |          |
| <b>Video Compression</b>         | H.264, MJPEG   |  |   |   |   |          |
| <b>Video Streaming</b>           | Dual streams   |  |   |   |   |          |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024  |  | 30 fps at 1920 x 1080   |   | 60 fps at 1920 x 1080   |          |
| <b>Audio Compression</b>         | G.711, AAC (optional)  |  |   |   | G.711   |          |
| <b>Audio Support</b>             | Two-way Audio  |  |   |   |   |          |
| <b>Sensor Input</b>              | 1 input (Dry Contact)  |  |   |   |   |          |
| <b>Alarm Output</b>              | 1 Digital Output (200mA 5V DC)   |  |   |   |   |          |
| <b>Optical Lens</b>              |  |  |   |   |   |          |
| <b>Megapixel</b>                 | Yes  |  |   |   |   |          |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)   |  |   |   |   |          |
| <b>Lens Type</b>                 | Fixed  | Varifocal Lens   | Fixed   | Varifocal Lens  |   |          |
| <b>Focal Length</b>              | 2.8 mm   | 3 ~ 10.5 mm  | 2.8 mm  | 3 ~ 10.5 mm   |   |          |
| <b>Maximum Aperture</b>          | F/1.8  | F/1.4  | F/1.8   | F/1.4   |   |          |
| <b>Mount</b>                     | CS Mount   |  |   |   |   |          |
| <b>Image Format</b>              | 1/2.5"   | 1/2.7"   | 1/2.5"  | 1/2.7"  |   |          |
| <b>Horizontal FOV</b>            | 90°  | 81° ~ 29°  | 107°  | 96° ~ 34°   |   |          |
| <b>Operation</b>                 | <b>Focus</b>   | Manual w/lock  |   |   |   |          |
|                                  | <b>Zoom</b>  | Fixed  | Manual (w/lock)   | Fixed   | Manual (w/lock)   |          |
|                                  | <b>Iris</b>  | Fixed  | P-Iris  | Fixed   | P-Iris  | DC Drive |
| <b>Mechanical</b>                |  |  |   |   |   |          |
| <b>Temperature Detector</b>      | Yes  |  |   |   |   |          |
| <b>Connectors</b>                | <b>Power</b>   | 2-pin terminal block, PoE  |   |   |   |          |
|                                  | <b>Ethernet</b>  | Ethernet (10/100 Base-T), RJ-45 connector  |   |   |   |          |
|                                  | <b>Audio</b>   | 1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14") *built-in mic is not available for GV-BX2600 |   |   |   |          |
|                                  | <b>Digital I/O</b>   | 3-pin terminal block, pitch 2.5 mm / 0.1"  |   |   |   |          |
|                                  | <b>Auto Iris</b>   | Not functional   | Yes   | Not functional  | Yes   |          |
|                                  | <b>Local Storage*</b>  | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported                       |   |   |   |          |
|                                  | <b>TV-Out</b>  | BNC connector (640 x 480 resolution)   |   |   |   |          |
| <b>LED Indicator</b>             | GV-WiFi Adapter or USB hard drive  |  |   |   |   |          |
|                                  | 2 LEDs: Power, Status  |  |   |   |   |          |
| <b>General</b>                   |  |  |   |   |   |          |
| <b>Environment Temperature</b>   | 0°C ~ 50°C (32 °F ~ 122 °F)  |  |   |   |   |          |
| <b>Humidity</b>                  | 10% to 90% (no condensation)   |  |   |   |   |          |
| <b>Power Source</b>              | 12V DC / PoE (IEEE 802.3af Class 3)  |  |   |   |   |          |
| <b>Max. Power Consumption</b>    | 9.5 W  | 6.27 W   | 7.99 W  | 6.42 W  | 7.5 W   |          |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant   |  |   |   | CE, RCM, FCC, LVD, RoHS compliant   |          |
| <b>Dimensions (Without lens)</b> | 75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")  |  |   |   | 105 x 75 x 54 mm (4.13" x 2.95" x 2.13")  |          |
| <b>Weight</b>                    | 300 g (0.66 lb)  |  |   |   | 321 g (0.71 lb)   |          |
| <b>Note:</b>                     | <ol style="list-style-type: none"> <li>The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).</li> <li>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.</li> <li>Memory card slot (local storage) is not supported in Argentina.</li> <li>Mind the following limitations and requirements for the mini USB port: <ul style="list-style-type: none"> <li>The USB hard drive must be of 2.5" or 3.5", version 2.0 or above</li> <li>The USB hard drive's storage capacity must not exceed 2TB</li> <li>USB flash drives and USB hubs are not supported</li> <li>External power supply is required for the USB hard drive</li> <li>To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.</li> </ul> </li> <li>Product design and specifications are subject to change without notice.</li> </ol> |  |   |   |   |          |



## Box Camera Specifications (Part 2)








|                                  |              | GV-BX2400 Series  |        |   |             | GV-BX3400 Series  |  |   |  | GV-BX5300 Series  |  | GV-BX5300 Series  |  |
|----------------------------------|--------------|---|--------|---|-------------|---|--|---|--|---|--|---|--|
|                                  |              | GV-BX2400-0F/1F /2F   |        | GV-BX2400-3V~4V   |             | GV-BX3400-8F  |  | GV-BX3400-3V  |  | GV-BX5300-8F  |  | GV-BX5300-6V  |  |
|                                  |              | Fixed Lens  |        | Varifocal Lens  |             | Fixed Lens  |  | Varifocal Lens  |  | Fixed Lens  |  | Varifocal Lens  |  |
|                                  |              |  |        |  |             |  |  |  |  |    |  |  |  |
| <b>Camera</b>                    |              |   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Image Sensor</b>              |              | 1/3.2" progressive scan CMOS  |        |   |             |   |  |   |  | 1/2.5" progressive scan CMOS  |  |   |  |
| <b>Picture Elements</b>          |              | 1920 (H) x 1080 (V)   |        |   |             | 2048 (H) x 1536 (V)   |  |   |  | 2560 (H) x 1920 (V)   |  |   |  |
| <b>Minimum Illumination</b>      | <b>Color</b> | 0.08 Lux  |        |   |             |   |  |   |  | 0.15 Lux  |  |   |  |
|                                  | <b>B/W</b>   | 0.05 Lux  |        |   |             |   |  |   |  | 0.10 Lux  |  |   |  |
|                                  | <b>IR ON</b> | 0 Lux   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Shutter Speed</b>             |              | Auto, Manual (1/5 ~ 1/8000 sec)   |        |   |             |   |  |   |  | Auto, Manual (1/5 ~ 1/8000 sec)   |  |   |  |
| <b>White Balance</b>             |              | Auto, Manual (2800K ~ 8500K)  |        |   |             |   |  |   |  | Auto, Manual (2800K ~ 8500K)  |  |   |  |
| <b>Gain Control</b>              |              | Automatic   |        |   |             |   |  |   |  |   |  |   |  |
| <b>S/N Ratio</b>                 |              | 47 dB   |        |   |             |   |  |   |  | 45 dB   |  |   |  |
| <b>WDR Pro (with WDR Sensor)</b> |              | Yes   |        |   |             |   |  |   |  | N/A   |  |   |  |
| <b>Dynamic Range</b>             |              | Up to 100 dB  |        |   |             |   |  |   |  | Up to 72 dB   |  |   |  |
| <b>Operation</b>                 |              |   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Video Compression</b>         |              | H.264, MJPEG  |        |   |             |   |  |   |  | H.264, MJPEG  |  |   |  |
| <b>Video Streaming</b>           |              | Dual streams  |        |   |             |   |  |   |  | Dual Stream   |  |   |  |
| <b>Frame Rate</b>                |              | 30 fps at 1920 x 1080   |        |   |             | 20 fps at 2048 x 1536<br>30 fps at 1920 x 1080                                    |  |   |  | 10 fps at 2560 x 1920   |  |   |  |
| <b>Audio Compression</b>         |              | G.711, AAC (optional)   |        |   |             |   |  |   |  | G.711, AAC (optional)   |  |   |  |
| <b>Audio Support</b>             |              | Two-way Audio   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Sensor Input</b>              |              | 1 input (Dry Contact)   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Alarm Output</b>              |              | 1 Digital Output (200mA 5V DC)  |        |   |             |   |  |   |  |   |  |   |  |
| <b>Optical Lens</b>              |              |   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Megapixel</b>                 |              | Yes   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Day/Night</b>                 |              | Yes (with removable IR-cut filter)  |        |   |             |   |  |   |  |   |  |   |  |
| <b>Lens Type</b>                 |              | Fixed Lens  |        | Varifocal Lens  |             | Fixed Lens  |  | Varifocal Lens  |  | Fixed Lens  |  | Varifocal Lens  |  |
| <b>Focal Length</b>              |              | BX2400-0F   | 4 mm   | BX2400-3V   | 2.8 ~ 12 mm | 2.8 mm  |  | 3 ~ 10.5 mm   |  | 2.8 mm  |  | 3.3 ~ 10.5 mm   |  |
|                                  |              | BX2400-1F   | 8 mm   | BX2400-4V   | 3 ~ 10.5 mm |   |  |   |  |   |  |   |  |
|                                  |              | BX2400-2F   | 12 mm  | BX2400-4V   | 3 ~ 10.5 mm |   |  |   |  |   |  |   |  |
| <b>Maximum Aperture</b>          |              | BX2400-0F   | F/1.5  | BX2400-3V   | F/1.4       | F/1.8   |  | F/1.4   |  | F/1.8   |  | F/1.4   |  |
|                                  |              | BX2400-1F   | F/1.6  | BX2400-4V   | F/1.4       |   |  |   |  |   |  |   |  |
|                                  |              | BX2400-2F   | F/1.6  | BX2400-4V   | F/1.4       |   |  |   |  |   |  |   |  |
| <b>Mount</b>                     |              | CS Mount  |        |   |             |   |  |   |  |   |  |   |  |
| <b>Image Format</b>              |              | BX2400-0F   | 1/3"   | BX2400-3V   | 1/2.7"      | 1/2.5"  |  | 1/2.7"  |  | 1/2.5"  |  | 1/2.5"  |  |
|                                  |              | BX2400-1F   | 1/2.5" | BX2400-4V   | 1/2.7"      |   |  |   |  |   |  |   |  |
|                                  |              | BX2400-2F   | 1/2.5" | BX2400-4V   | 1/2.7"      |   |  |   |  |   |  |   |  |
| <b>Horizontal FOV</b>            |              | BX2400-1F   | 32°    | BX2400-3V   | 77° ~ 28°   | 88°   |  | 78° ~ 28°   |  | 112°  |  | 84° ~ 35°   |  |
|                                  |              | BX2400-2F   | 21°    | BX2400-4V   | 73° ~ 27°   |   |  |   |  |   |  |   |  |
| <b>Operation</b>                 |              | <b>Focus</b>  |        | Manual w/lock   |             |   |  |   |  |   |  |   |  |
|                                  |              | <b>Zoom</b>   |        | Fixed   |             | Manual (w/lock)   |  | Fixed   |  | Manual (w/lock)   |  | Manual (w/lock)   |  |
|                                  |              | <b>Iris</b>   |        | Fixed   |             | DC drive  |  | Fixed   |  | P-Iris  |  | Fixed   |  |
|                                  |              |   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Mechanical</b>                |              |   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Temperature Detector</b>      |              | Yes   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Power</b>                     |              | 2-pin terminal block, PoE   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Ethernet</b>                  |              | Ethernet (10/100 Base-T), RJ-45 connector   |        |   |             |   |  |   |  | Ethernet (10/100/1000 Base-T), RJ-45 Connector  |  |   |  |
| <b>Audio</b>                     |              | 1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14") |        |   |             |   |  |   |  |   |  |   |  |
| <b>Digital I/O</b>               |              | 3-pin terminal block, pitch 2.5 mm / 0.1"   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Auto Iris</b>                 |              | Not functional  |        | Yes   |             | Not functional  |  | Yes   |  | Not functional  |  | Yes (with varifocal lens)   |  |
| <b>Local Storage</b>             |              | Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)                                    |        |   |             |   |  |   |  | Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |  |   |  |
| <b>TV-Out</b>                    |              | BNC connector (640 x 480 resolution)  |        |   |             |   |  |   |  | BNC connector (640 x 480 resolution)  |  |   |  |
| <b>Mini USB</b>                  |              | GV-WiFi Adapter or USB hard drive   |        |   |             |   |  |   |  | GV-WiFi Adapter or USB hard drive   |  |   |  |
| <b>LED Indicator</b>             |              | 2 LEDs: Power, Status   |        |   |             |   |  |   |  | 2 LEDs: Power, Status   |  |   |  |
| <b>General</b>                   |              |   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Environment Temperature</b>   |              | 0 °C ~ 50 °C (32 °F ~ 122 °F)   |        |   |             |   |  |   |  |   |  |   |  |
| <b>Humidity</b>                  |              | 10% to 90% (no condensation)  |        |   |             |   |  |   |  |   |  |   |  |
| <b>Power Source</b>              |              | 12V DC / PoE (IEEE 802.3af Class 3)   |        |   |             |   |  |   |  | 12V DC / 24V AC / PoE (IEEE 802.3af)  |  |   |  |
| <b>Max. Power Consumption</b>    |              | 9.5 W   |        |   |             | 9.5 W   |  | 7.12 W  |  | 9.5 W   |  | 6.77 W  |  |
| <b>Regulatory</b>                |              | CE, FCC, RCM, RoHS compliant  |        |   |             |   |  |   |  | CE, FCC, RCM, RoHS compliant  |  |   |  |
| <b>Dimensions (L X W X H)</b>    |              | 75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") without lens                            |        |   |             |   |  |   |  | 75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")   |  |   |  |
| <b>Weight</b>                    |              | 300 g (0.66 lb)   |        |   |             |   |  |   |  | 321 g (0.71 lb)   |  | 300 g (0.66 lb)   |  |

**Note:**

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



## Box Camera Specifications (Part 3)




|                                  | GV-BX2700 Series  |   | GV-BX4700 Series  |   | GV-BX5700 Series   |   | GV-BX12201   |  |
|----------------------------------|---|---|---|---|--|---|--|--|
|                                  | GV-BX2700-8F  | GV-BX2700-3V  | GV-BX4700-8F  | GV-BX4700-3V  | GV-BX5700-8F   | GV-BX5700-3V  |  |  |
|                                  | Fixed Lens  | Varifocal Lens  | Fixed Lens  | Varifocal Lens  | Fixed Lens   | Varifocal Lens  |  |  |
|                                  |  |    |  |  |  |  |                                       |  |
| <b>Camera</b>                    |   |   |   |   |  |   |  |  |
| <b>Image Sensor</b>              | 1/2.8" progressive scan super low lux CMOS  |   | 1/3" progressive scan super low lux CMOS  |   | 1/1.8" progressive scan low lux CMOS   |   | 1/1.7" progressive scan CMOS   |  |
| <b>Picture Elements</b>          | 1920 (H) x 1080 (V)   |   | 2592 (H) x 1520 (V)   |   | 2592 (H) x 1944 (V)  |   | 4000 (H) x 3000 (V)  |  |
| <b>Minimum Illumination</b>      | <b>Color</b>  | 0.005 Lux   |   | 0.03 Lux  |  | 0.04 Lux  |  | 0.1 Lux  |
|                                  | <b>B/W</b>  | 0.004 Lux   |   | 0.02 Lux  |  | 0.03 Lux  |  | 0.05 Lux                                       |
|                                  | <b>IR ON</b>  | 0 Lux   |   |   |  |   |  |  |
| <b>Shutter Speed</b>             | Automatic, Manual (1/5 ~ 1/16000 sec)   |   | Automatic, Manual (1/5 ~ 1/16000 sec)   |   | Automatic, Manual (1/5 ~ 1/6000 sec)   |   | Automatic, Manual (1/30 ~ 1/16000 sec)   |  |
| <b>White Balance</b>             | Automatic, Manual (2800 ~ 8500K)  |   | Automatic, Manual (2800 ~ 8500K)  |   | Automatic, Manual (2800 ~ 8500K)   |   | Automatic, Manual (2800 ~ 8500K)   |  |
| <b>Gain Control</b>              | Automatic   |   |   |   |  |   |  |  |
| <b>S/N Ratio</b>                 | 56 dB   |   | 50 dB   |   | 50 dB  |   | 52 dB  |  |
| <b>WDR Pro (with WDR sensor)</b> | Yes   |   | Yes   |   | N/A  |   | N/A  |  |
| <b>Dynamic Range</b>             | 130 dB  |   | Up to 120 dB  |   | Up to 72 dB  |   |  |  |
| <b>Operation</b>                 |   |   |   |   |  |   |  |  |
| <b>Video Compression</b>         | H.265, H.264, MJPEG   |   |   |   |  |   | H.264, MJPEG   |  |
| <b>Video Streaming</b>           | Triple streams from H.265, H.264 or MJPEG   |   |   |   |  |   | Dual streams from H.264 or MJPEG   |  |
| <b>Frame Rate</b>                | 30 fps at 1920 x 1080   |   | 20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520               |   | 30 fps at 2592 x 1944  |   | 15 fps at 4000 x 3000<br>30 fps at 3840 x 2160   |  |
| <b>Audio Compression</b>         | G.711, AAC (optional)   |   |   |   |  |   |  |  |
| <b>Audio Support</b>             | Two-way Audio   |   |   |   |  |   |  |  |
| <b>Sensor Input</b>              | 1 Input (Dry Contact)   |   |   |   |  |   |  |  |
| <b>Alarm Output</b>              | 1 Digital Output (200mA 5V DC)  |   |   |   |  |   |  |  |
| <b>Optical Lens</b>              |   |   |   |   |  |   |  |  |
| <b>Megapixel</b>                 | Yes   |   |   |   |  |   |  |  |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |   |   |   |  |   |  |  |
| <b>Lens Type</b>                 | Fixed Lens  | Varifocal Lens  | Fixed Lens  | Varifocal Lens  | Fixed Lens   | Varifocal Lens  | Varifocal Lens   |  |
| <b>Focal Length</b>              | 2.8 mm  | 3 ~ 10.5 mm   | 2.8 mm  | 3 ~ 10.5 mm   | 2.95 mm  | 3.6 ~ 10 mm   | 4.1 ~ 9 mm   |  |
| <b>Maximum Aperture</b>          | F/1.8   | F/1.4   | F/1.8   | F/1.4   | F/2.0  | F/1.5   | F/1.6  |  |
| <b>Mount</b>                     | CS Mount  |   |   |   |  |   |  |  |
| <b>Image Format</b>              | 1/2.5"  | 1/2.7"  | 1/2.5"  | 1/2.7"  | 1/1.8"   |   | 1/1.8"   |  |
| <b>Horizontal FOV</b>            | 110°  | 100° ~ 35°  | 104°  | 78° ~ 31°   | 120°   | 90° ~ 40°   | 109° ~ 50°   |  |
| <b>Operation</b>                 | <b>Focus</b>  | Manual (w/lock)   |   |   |  |   |  |  |
|                                  | <b>Zoom</b>   | Fixed   | Manual (w/lock)   | Fixed   | Manual (w/lock)  | Fixed   | Manual (w/lock)  | Manual (w/lock)                                |
|                                  | <b>Iris</b>   | Fixed   | P-Iris  | Fixed   | P-Iris   | Fixed   | P-Iris   | DC drive                                       |
| <b>Mechanical</b>                |   |   |   |   |  |   |  |  |
| <b>Temperature Detector</b>      | Yes   |   |   |   |  |   |  |  |
| <b>Connectors</b>                | <b>Power</b>  | 2-pin terminal block, PoE   |   |   |  |   |  |  |
|                                  | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 Connector   |   |   |  |   |  | Ethernet (10/100/1000 Base-T), RJ-45 Connector |
|                                  | <b>Audio</b>  | 1 In (Using the built-in microphone or externally connecting a microphone)<br>1 Out (Stereo phone jack, 3.5 mm / 0.14 in) |   |   |  |   |  |  |
|                                  | <b>Digital I/O</b>  | 3-pin terminal block, pitch 2.5 mm (0.1")   |   |   |  |   |  |  |
|                                  | <b>Auto Iris</b>  | Not functional  | Yes (with varifocal lens)   | Not functional  | Yes (with varifocal lens)  | Not functional  | Yes (with varifocal lens)  | Yes (with varifocal lens)                      |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported.                                     |   |   |  |   |  |  |
|                                  | <b>TV-Out</b>   | BNC connector (640 x 480 resolution)  |   |   |  |   |  |  |
|                                  | <b>Mini USB</b>   | GV-WiFi Adapter or USB hard drive   |   |   |  |   |  |  |
| <b>LED Indicator</b>             | 2 LEDs: Power, Status   |   |   |   |  |   |  |  |
| <b>General</b>                   |   |   |   |   |  |   |  |  |
| <b>Environment Temperature</b>   | 0 °C ~ 50 °C (32 °F ~ 122 °F)   |   |   |   |  |   |  |  |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |   |   |   |  |   |  |  |
| <b>Power Source</b>              | 12V DC / PoE (IEEE 802.3af)   |   |   |   |  |   |  |  |
| <b>Max. Power Consumption</b>    | 4.16 W  |   | 12V DC, 4.23 W  |   | 12V DC, 4.37 W   |   | 12V DC / 24V AC / PoE (IEEE 802.3af)<br>6 W  |  |
| <b>Regulatory</b>                | CE, FCC, RCM, LVD, RoHS compliant   |   |   |   |  |   |  |  |
| <b>Dimensions</b>                | 75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")   |   |   |   |  |   | Without lens: 120 x 75.2 x 54 mm<br>(4.72" x 2.96" x 2.13")<br>With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52") |  |
| <b>Weight</b>                    | 320 g (0.7 lb)  | 350 g (0.77 lb)   | 330 g (0.72 lb)   | 350 g (0.77 lb)   | 330 g (0.72 lb)  | 350 g (0.77 lb)   | 545 g / 1.2 lb   |  |

**Note:**

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



## Ultra Box Camera Specifications





|  |                       | GV-UBX1301 Series  |               | GV-UBX2301 Series   |        | GV-UBX3301 Series   |        |
|--|-----------------------|--|---------------|---|--------|---|--------|
|  |                       |                         |               |  |        |  |        |
| <b>Camera</b>                                |                       |  |               |   |        |   |        |
| <b>Image Sensor</b>                          |                       | 1/2.5" progressive scan CMOS   |               |   |        |   |        |
| <b>Picture Elements</b>                      |                       | 1280 (H) x 1024 (V)  |               | 1920 (H) x 1080 (V)   |        | 2048 (H) x 1536 (V)   |        |
| <b>Minimum Illumination</b>                  | <b>Color</b>          | 0.15 Lux   |               |   |        |   |        |
|  | <b>B/W</b>            | 0.10 Lux   |               |   |        |   |        |
|  | <b>IR ON</b>          | 0 Lux  |               |   |        |   |        |
| <b>Shutter Speed</b>                         |                       | Auto, Manual (1/5 ~ 1/8000 sec)  |               |   |        |   |        |
| <b>White Balance</b>                         |                       | Auto, Manual (2800K ~ 8500K)   |               |   |        |   |        |
| <b>Gain Control</b>                          |                       | Automatic  |               |   |        |   |        |
| <b>S/N Ratio</b>                             |                       | 45 dB  |               |   |        |   |        |
| <b>Dynamic Range</b>                         |                       | Up to 72 dB  |               |   |        |   |        |
| <b>Operation</b>                             |                       |  |               |   |        |   |        |
| <b>Video Compression</b>                     |                       | H.264, MJPEG   |               |   |        |   |        |
| <b>Video Streaming</b>                       |                       | Dual streams   |               |   |        |   |        |
| <b>Frame Rate</b>                            |                       | 30 fps at 1280 x 1024  |               | 30 fps at 1920 x 1080   |        | 20 fps at 2048 x 1536   |        |
| <b>Audio Compression</b>                     |                       | G.711, AAC (optional)  |               |   |        |   |        |
| <b>Audio Support</b>                         |                       | Two-way Audio  |               |   |        |   |        |
| <b>Optical Lens</b>                          |                       |  |               |   |        |   |        |
| <b>Megapixel</b>                             |                       | Yes  |               |   |        |   |        |
| <b>Day/Night</b>                             |                       | Yes (with removable IR-cut filter)   |               |   |        |   |        |
| <b>Lens Type</b>                             |                       | Fixed  |               |   |        |   |        |
| <b>Focal Length</b>                          | 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   |
| <b>Maximum Aperture</b>                      | 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   |        |   |        |
| <b>Mount</b>                                 |                       | M12, Pitch 0.5 mm  |               |   |        |   |        |
| <b>Image Format</b>                          |                       | 1/3"   |               |   |        |   |        |
| <b>Horizontal FOV</b>                        | 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°    |
| <b>Operation</b>                             | <b>Focus</b>          | Fixed  |               |   |        |   |        |
|  | <b>Zoom</b>           |  |               |   |        |   |        |
|  | <b>Iris</b>           |  |               |   |        |   |        |
| <b>IR LED Quantity</b>                       |                       | 4  |               |   |        |   |        |
| <b>Max. IR Distance</b>                      |                       | 10 m (32.81 ft)  |               |   |        |   |        |
| <b>Mechanical</b>                            |                       |  |               |   |        |   |        |
| <b>Temperature Detector</b>                  |                       | Yes  |               |   |        |   |        |
| <b>Connectors</b>                            | <b>Power</b>          | 2-pin terminal block, PoE  |               |   |        |   |        |
|  | <b>Ethernet</b>       | Ethernet (10/100 Base-T), RJ-45 connector  |               |   |        |   |        |
|  | <b>Audio</b>          | 1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")                                    |               |   |        |   |        |
|  | <b>Local Storage*</b> | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |               |   |        |   |        |
| <b>LED Indicator</b>                         |                       | 2 LEDs: Power, Status  |               |   |        |   |        |
| <b>General</b>                               |                       |  |               |   |        |   |        |
| <b>Environment Temperature</b>               |                       | 0°C ~ 40°C (32°F ~ 104°F)  |               |   |        |   |        |
| <b>Humidity</b>                              |                       | 10% to 90% (no condensation)   |               |   |        |   |        |
| <b>Power Source</b>                          |                       | 5V DC / PoE (IEEE 802.3af)   |               |   |        |   |        |
| <b>Max. Power Consumption</b>                |                       | 6.5 W  |               |   |        |   |        |
| <b>Regulatory</b>                            |                       | CE, FCC, RCM, RoHS compliant   |               |   |        |   |        |
| <b>Dimensions (L X W X H) (Without lens)</b> |                       | 95 x 45 x 40 mm (3.7" x 1.8" x 1.6")   |               |   |        |   |        |
| <b>Weight</b>                                |                       | 120 g (0.26 lb)  |               |   |        |   |        |

### Note:

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



## IR Arctic Box Camera Specifications (Part 1)




|                                       | GV-BX1500-E   | GV-BX2400-E   | GV-BX3400-E   | GV-BX4700-E   |
|---------------------------------------|---|---|---|---|
|                                       |  |  |  |  |
| <b>Camera</b>                         |   |   |   |   |
| Image Sensor                          | 1/3" 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)   | 2592 (H) x 1520 (V)   |
| Minimum Illumination                  | Color   | 0.01 Lux  | 0.08 Lux  | 0.03 Lux  |
|                                       | B/W   | 0.01 Lux  | 0.05 Lux  | 0.02 Lux  |
|                                       | IR ON   |   | 0 Lux   |   |
| Shutter Speed                         | Auto, Manual (1/5 ~ 1/8000 sec)   |   |   | Automatic, Manual (1/5 ~ 1/16000 sec)   |
| White Balance                         | Auto, Manual (2800K ~ 8500K)  |   |   |   |
| Gain Control                          | Automatic   |   |   |   |
| S/N Ratio                             | 55 dB   |   | 47 dB   | 50 dB   |
| WDR Pro (with WDR Sensor)             | N/A   |   | Yes   | Yes   |
| Dynamic Range                         | Up to 72 dB   |   | Up to 100 dB  | Up to 120 dB  |
| <b>Operation</b>                      |   |   |   |   |
| Video Compression                     |   | H.264, MJPEG  |   | H.265, H.264, MJPEG   |
| Video Streaming                       |   | Dual streams  |   | Triple streams from H.265, H.264 or MJPEG   |
| Frame Rate                            | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080   | 20 fps at 2048 x 1536   | 20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520                 |
| Audio Compression                     | G.711, AAC (optional)   |   |   |   |
| Audio Support                         | Two-way Audio   |   |   |   |
| Sensor Input                          | N/A   |   |   |   |
| Alarm Output                          | N/A   |   |   |   |
| <b>Optical Lens</b>                   |   |   |   |   |
| Megapixel                             | Yes   |   |   |   |
| Day/Night                             | Yes (with removable IR-cut filter)  |   |   |   |
| Lens Type                             | Varifocal Lens  |   |   |   |
| Focal Length                          | 3 ~ 10.5 mm   |   |   |   |
| Maximum Aperture                      | F/1.4   |   |   |   |
| Mount                                 | CS Mount  |   |   |   |
| Image Format                          | 1/2.7"  |   |   |   |
| Horizontal FOV                        | 81° ~ 29°   | 73° ~ 27°   | 78° ~ 28°   | 78° ~ 31°   |
| Operation                             | Focus   | Manual (w/lock)   |   |   |
|                                       | Zoom  | Manual (w/lock)   |   |   |
| Iris                                  | P-Iris  | DC drive  | P-Iris  | P-Iris  |
|                                       | IR LED Quantity   | 4 IR LEDs   |   |   |
| Max. IR Distance                      | 15 m (50 ft)  |   |   | 30 m (98.4 ft)  |
| <b>Mechanical</b>                     |   |   |   |   |
| Camera Pan                            | 0° ~ 330°   |   |   |   |
| Angle Tilt                            | 0° ~ 90°  |   |   |   |
| Adjustment Rotate                     | No  |   |   |   |
| Temperature Detector                  | Yes   |   |   |   |
| 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")             |   |   |   |
| Connectors Auto Iris                  | Yes (with varifocal lens)   |   |   | P-Iris  |
| Digital I/O                           | N/A   |   |   |   |
| Local Storage                         | N/A   |   |   |   |
| TV-Out                                | BNC connector (640 x 480 resolution)  |   |   | BNC connector   |
| LED Indicator                         | 2 LEDs: Power, Status   |   |   | 1 LED: Status   |
| <b>General</b>                        |   |   |   |   |
| 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  |   | 23 W  |
| Regulatory                            | CE, FCC, RCM, RoHS compliant  |   |   | CE, FCC, RCM, LVD, 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. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Memory card slot (local storage) is not supported in Argentina.
3. Product design and specifications are subject to change without notice.



## IR Arctic Box Camera Specifications (Part 2)







|  |                      | GV-BX5300   | GV-BX2510-E   | GV-BX5310-E   |
|--|----------------------|---|---|---|
|  |                      |  |  |  |
| <b>Camera</b>                                |                      |   |   |   |
| <b>Image Sensor</b>                          |                      | 1/2.5" progressive scan CMOS  | 1/2.8" progressive scan super low lux CMOS  | 1/2.5" progressive scan super low lux CMOS  |
| <b>Picture Elements</b>                      |                      | 2560 (H) x 1920 (V)   | 1920 (H) x 1080 (V)   | 2560 (H) x 1920 (V)   |
| <b>Minimum Illumination</b>                  | Color                | 0.15 Lux  | 0.02 Lux  | 0.15 Lux  |
|  | B/W                  | 0.10 Lux  | 0.02 Lux  | 0.10 Lux  |
|  | IR ON                | 0 L   |   |   |
| <b>Shutter Speed</b>                         |                      | Auto, Manual (1/5 ~ 1/8000 sec)   |   |   |
| <b>White Balance</b>                         |                      | Auto, Manual (2800K ~ 8500K)  |   |   |
| <b>Gain Control</b>                          |                      | Automatic   |   |   |
| <b>S/N Ratio</b>                             |                      | 45 dB   | 52 dB   | 45 dB   |
| <b>WDR Pro (with WDR Sensor)</b>             |                      | N/A   |   |   |
| <b>Dynamic Range</b>                         |                      | Up to 72 dB   |   |   |
| <b>Operation</b>                             |                      |   |   |   |
| <b>Video Compression</b>                     |                      | H.264, MJPEG  |   |   |
| <b>Video Streaming</b>                       |                      | Dual streams  |   |   |
| <b>Frame Rate</b>                            |                      | 10 fps at 2560 x 1920   | 30 fps at 1920 x 1080   | 10 fps at 2560 x 1920   |
| <b>Audio Compression</b>                     |                      | G.711, AAC (optional)   |   |   |
| <b>Audio Support</b>                         |                      | Two-way Audio   |   |   |
| <b>Sensor Input</b>                          |                      | 1 input (Dry Contact)   |   |   |
| <b>Alarm Output</b>                          |                      | 1 digital output (200mA 5V DC)  |   |   |
| <b>Optical Lens</b>                          |                      |   |   |   |
| <b>Megapixel</b>                             |                      | Yes   |   |   |
| <b>Day/Night</b>                             |                      | Yes (with removable IR-cut filter)  |   |   |
| <b>Lens Type</b>                             |                      | Varifocal Lens  | Motorized Varifocal Lens  |   |
| <b>Focal Length</b>                          |                      | 4.5 ~ 10 mm   | 3.7 ~ 9 mm  | 4.5 ~ 9 mm  |
| <b>Maximum Aperture</b>                      |                      | F/1.6   | F/1.2   |   |
| <b>Mount</b>                                 |                      | CS Mount  | Ø14 mm  |   |
| <b>Image Format</b>                          |                      | 1/2"  | 1/2.7"  |   |
| <b>Horizontal FOV</b>                        |                      | 70° ~ 34°   | 70° ~ 39°   |   |
| <b>Operation</b>                             | <b>Focus</b>         | Manual (w/lock)   | Auto focus  |   |
|  | <b>Zoom</b>          | Manual (w/lock)   | 2.4X optical zoom   | 2X optical zoom   |
|  | <b>Iris</b>          | Manual (w/lock)   |   | P-Iris  |
| <b>IR LED Quantity</b>                       |                      | 4 IR LEDs   |   |   |
| <b>Max. IR Distance</b>                      |                      | 15 m (50 ft)  | 70 m (230 ft)   | 50 m (164 ft)   |
| <b>Mechanical</b>                            |                      |   |   |   |
| <b>Camera Angle Adjustment</b>               | <b>Pan</b>           | 0° ~ 330°   |   |   |
|  | <b>Tilt</b>          | 0° ~ 90°  |   |   |
| <b>Rotate</b>                                |                      | No  |   |   |
| <b>Temperature Detector</b>                  |                      | Yes   |   |   |
| <b>Connectors</b>                            | <b>Power</b>         | PoE   | 2-pin terminal block, PoE   |   |
|  | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 connector   |   |   |
|  | <b>Audio</b>         | 1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")             |   |   |
|  | <b>Auto Iris</b>     | Yes (with varifocal lens)   |   |   |
|  | <b>Digital I/O</b>   | N/A   | I/O wires   |   |
|  | <b>Local Storage</b> | N/A   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)                          | *SDXC and UHS-I card types are not supported  |
| <b>TV-Out</b>                                |                      | BNC connector (640 x 480 resolution)  |   |   |
| <b>LED Indicator</b>                         |                      | 2 LEDs: Power, Status   |   |   |
| <b>General</b>                               |                      |   |   |   |
| <b>Environment Temperature</b>               | <b>Start-up</b>      | -30 °C ~ 50 °C (-22°F ~ 122°F)  |   |   |
|  | <b>Operation</b>     | -30 °C ~ 50 °C (-22°F ~ 122°F)  |   |   |
| <b>Humidity</b>                              |                      | 10% to 90% (no condensation)  |   |   |
| <b>Power Source</b>                          |                      | PoE (IEEE 802.3at)  | DC 48V / High PoE (PoE++, 50 W)   |   |
| <b>Max. Power Consumption</b>                |                      | 21.6 W  | 50 W  |   |
| <b>Regulatory</b>                            |                      | CE, FCC, RCM, RoHS compliant  |   |   |
| <b>Dimensions (L X W X H) (Without lens)</b> | <b>Camera Body</b>   | 100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")                                  |   |   |
|  | <b>Cable Length</b>  |   |   | 406 x 145 x 109.5 mm (16" x 5.7" x 4.3")  |
| <b>Weight</b>                                |                      | 3.2 Kg (7.1 lb)   | 3.32 kg (7.32 lb)   |   |
| <b>Ingress Protection</b>                    |                      | IP67  |   |   |
| <b>Vandal Resistance</b>                     |                      | IK10 for metal casing   |   |   |
| <b>Heater On</b>                             |                      | -40°C ~ 8°C (-40°F ~ 46.4°F)  | On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)                       |   |
| <b>Fan</b>                                   |                      | Constantly on   |   |   |

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





## Bullet Camera Specifications (Part 1)




|                                  | GV-BL1500   | GV-BL2400  | GV-BL2500   | GV-BL3400  | GV-BL3700   | GV-BL5700   |          |
|----------------------------------|---|--|---|--|---|---|----------|
|                                  |  |                         |  |  |  |  |          |
| <b>Camera</b>                    |   |  |   |  |   |   |          |
| <b>Image Sensor</b>              | 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   | 1/2.8" progressive scan super low lux CMOS  | 1/1.8" progressive scan CMOS  |          |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)   | 1920 (H) x 1080 (V)  |   | 2048 (H) x 1536 (V)  |   | 2592 (H) x 1944 (V)   |          |
| <b>Minimum Illumination</b>      | <b>Color</b>  | 0.01 Lux   | 0.08 Lux  | 0.02 Lux   | 0.08 Lux  | 0.01 Lux  | 0.04 Lux |
|                                  | <b>B/W</b>  | 0.01 Lux   | 0.05 Lux  | 0.02 Lux   | 0.05 Lux  | 0.01 Lux  | 0.03 Lux |
|                                  | <b>IR ON</b>  | 0 Lux  |   |  |   |   |          |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000sec)  |  |   |  |   |   |          |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)  |  |   |  |   |   |          |
| <b>Gain Control</b>              | Automatic   |  |   |  |   |   |          |
| <b>S/N Ratio</b>                 | 55 dB   | 47 dB  | 52 dB   | 47 dB  | 54 dB   | 50 dB   |          |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | Yes  | N/A   |  | Yes   | N/A   |          |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 100 dB   | Up to 72 dB   | Up to 100 dB   | Up to 120 dB  | Up to 72 dB   |          |
| <b>Operation</b>                 |   |  |   |  |   |   |          |
| <b>Video Compression</b>         | H.264, MJPEG  |  |   | H.265, H.264, MJPEG  |   |   |          |
| <b>Video Streaming</b>           | Dual streams  |  |   | Triple streams   |   |   |          |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080  |   | 20 fps at 2048 x 1536  | 30 fps at 2048 x 1536   | 30 fps at 2592 x 1944   |          |
| <b>Audio Compression</b>         | G.711, AAC (optional)   |  |   |  |   |   |          |
| <b>Audio Support</b>             | Two-way Audio   |  |   |  |   |   |          |
| <b>Sensor Input</b>              | 1 input (Dry Contact)   |  |   |  |   |   |          |
| <b>Alarm Output</b>              | 1 digital output (200mA 5V DC)  |  |   |  |   |   |          |
| <b>Optical Lens</b>              |   |  |   |  |   |   |          |
| <b>Megapixel</b>                 | Yes   |  |   |  |   |   |          |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |  |   |  |   |   |          |
| <b>Lens Type</b>                 | Varifocal Lens  |  |   |  |   |   |          |
| <b>Focal Length</b>              | 3 ~ 9 mm  |  |   | 2.8 ~ 12 mm  |   | 4 ~ 8 mm  |          |
| <b>Maximum Aperture</b>          | F/1.2   |  |   | F/1.7  |   | F/1.65  |          |
| <b>Mount</b>                     | Ø14 mm  |  |   |  |   |   |          |
| <b>Image Format</b>              | 1/2.7"  |  |   |  |   |   |          |
| <b>Horizontal FOV</b>            | 90° ~ 32°   | 82° ~ 30°  | 103° ~ 36°  | 86° ~ 31°  | 98° ~ 35°   | 88° ~ 51°   |          |
| <b>Operation</b>                 | <b>Focus</b>  | Manual (w/lock)  |   |  |   |   |          |
|                                  | <b>Zoom</b>   | Manual (w/lock)  |   |  |   |   |          |
|                                  | <b>Iris</b>   | DC drive   | DC drive  | DC drive   | DC drive  | P-Iris  |          |
| <b>IR LED Quantity</b>           | 16 IR LEDs  |  |   |  | 12 IR LEDs  |   |          |
| <b>Max. IR Distance</b>          | 70 m (230 ft)   | 50 m (164 ft)  |   |  | 30 m (98.4 ft)  |   |          |
| <b>Mechanical</b>                |   |  |   |  |   |   |          |
| <b>Camera</b>                    | <b>Pan</b>  | 0° ~ 360°  |   |  |   |   |          |
| <b>Angle</b>                     | <b>Tilt</b>   | 90° ~ 180°   |   |  |   |   |          |
| <b>Adjustment</b>                | <b>Rotate</b>   | 0° ~ 360°  |   |  |   |   |          |
| <b>Temperature Detector</b>      |   | Yes  |   |  |   |   |          |
| <b>Connectors</b>                | <b>Power</b>  | 2-pin terminal block, PoE  |   |  | Terminal block for 12V DC, PoE  |   |          |
|                                  | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 connector  |   |  |   |   |          |
|                                  | <b>Audio</b>  | 1 In (RCA female for microphone); 1 Out (RCA female for speaker)   |   |  |   | 1 In (terminal block for passive microphone)<br>1 Out (terminal block for speaker)  |          |
|                                  | <b>Digital I/O</b>  | I/O Wire   |   |  | 4-pin terminal block  |   |          |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |  |   | Micro SD card slot (SD/SDHC/SDXC, Class 10)<br>*UHS-II card type is not supported.  |          |
| <b>General</b>                   |   |  |   |  |   |   |          |
| <b>Environment Temperature</b>   | -30 °C ~ 50 °C (-22 °F ~ 122 °F)  |  |   |  | <b>Start-up</b>   | -20°C ~ 50°C (-4 °F ~ 122 °F)   |          |
|                                  |   |  |   |  | <b>Operation</b>  | -30°C ~ 50°C (-22 °F ~ 122 °F)  |          |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |  |   |  |   |   |          |
| <b>Power Source</b>              | 12V DC / 24V AC / PoE (IEEE 802.3af)  |  |   |  | 12V DC / PoE (IEEE 802.3af)   |   |          |
| <b>Max. Power Consumption</b>    | 7.68 W  | 7.2 W  | 8 W   | 7.2 W  | 12.6 W  |   |          |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant  |  |   |  | CE, FCC, RCM, LVD, RoHS compliant   |   |          |
| <b>Dimensions</b>                | <b>Camera Body</b>  | 277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")  |   |  |   | 215.3 x 91 x 94.4 mm (8.47" x 3.58" x 3.71")  |          |
|                                  | <b>Cable Length</b>   | 1 m (3.28 ft)  |   |  |   | N/A   |          |
|                                  | <b>Max. Cable Diameter</b>  | Ø 7.1 mm (0.28")   |   |  |   | N/A   |          |
|                                  | <b>Max. Connector Diameter</b>  | Ø 25.2 mm (0.99")  |   |  |   | N/A   |          |
| <b>Weight</b>                    | 1.4 Kg (3.08 lb)  | 1.35 kg (2.98 lb)  | 1.4 Kg (3.08 lb)  | 1.35 kg (2.98 lb)  | 850 g (1.87 lb)   |   |          |
| <b>Ingress Protection</b>        | IP67  |  |   |  |   |   |          |
| <b>Vandal Resistance</b>         | IK10 for metal casing   |  |   |  |   |   |          |

### Note:

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



## Bullet Camera Specifications (Part 2)








|                                  | GV-BL1210   | GV-BL3410  | GV-BL5310   |
|----------------------------------|---|--|---|
|                                  |  |  |  |
| <b>Camera</b>                    |   |  |   |
| <b>Image Sensor</b>              | 1/3" progressive scan low lux CMOS  | 1/3.2" progressive scan CMOS   | 1/2.5" progressive scan CMOS  |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)   | 2048 (H) x 1536 (V)  | 2560 (H) x 1920 (V)   |
| <b>Minimum Illumination</b>      | Color   | 0.05 Lux   | 0.15 Lux  |
|                                  | B/W   | 0.03 Lux   | 0.10 Lux  |
|                                  | IR ON   |  | 0 Lux   |
| <b>Shutter Speed</b>             |   | Auto, Manual (1/5 ~ 1/8000sec)   |   |
| <b>White Balance</b>             |   | Auto, Manual (2800K ~ 8500K)   |   |
| <b>Gain Control</b>              |   | Automatic  |   |
| <b>S/N Ratio</b>                 | 50 dB   | 47 dB  | 45 dB   |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | Yes  | N/A   |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 100 dB   | Up to 72 dB   |
| <b>Operation</b>                 |   |  |   |
| <b>Video Compression</b>         |   | H.264, MJPEG   |   |
| <b>Video Streaming</b>           |   | Dual streams   |   |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024   | 20 fps at 2048 x 1536  | 10 fps at 2560 x 1920   |
| <b>Audio Compression</b>         |   | G.711, AAC (optional)  |   |
| <b>Audio Support</b>             |   | Two-way Audio  |   |
| <b>Sensor Input</b>              |   | 1 input (Dry Contact)  |   |
| <b>Alarm Output</b>              |   | 1 digital output (200mA 5V DC)   |   |
| <b>Optical Lens</b>              |   |  |   |
| <b>Megapixel</b>                 |   | Yes  |   |
| <b>Day/Night</b>                 |   | Yes (with removable IR-cut filter)   |   |
| <b>Lens Type</b>                 |   | Motorized Varifocal Lens   |   |
| <b>Focal Length</b>              | 3 ~ 9 mm  |  | 4.5 ~ 9 mm  |
| <b>Maximum Aperture</b>          |   | F/1.2  |   |
| <b>Mount</b>                     |   | Ø14 mm   |   |
| <b>Image Format</b>              |   | 1/2.7"   |   |
| <b>Horizontal FOV</b>            | 86° ~ 32°   | 86° ~ 31°  | 70° ~ 39°   |
| <b>Operation</b>                 | <b>Focus</b>  | Auto Focus   |   |
|                                  | <b>Zoom</b>   | 3X Optical Zoom  | 2X Optical Zoom   |
| <b>Iris</b>                      |   | DC drive   |   |
| <b>IR LED Quantity</b>           |   | 16 IR LEDs   |   |
| <b>Max. IR Distance</b>          | 40 m (131 ft)   | 50 m (164 ft)  | 40 m (131 ft)   |
| <b>Mechanical</b>                |   |  |   |
| <b>Camera Angle</b>              | <b>Pan</b>  | 0° ~ 360°  |   |
| <b>Adjustment</b>                | <b>Tilt</b>   | 90° ~ 180°   |   |
| <b>Temperature Detector</b>      | <b>Rotate</b>   | 0° ~ 360°  |   |
| <b>Connectors</b>                | <b>Power</b>  | Yes  |   |
|                                  | <b>Ethernet</b>   | 2-pin terminal block, PoE  |   |
|                                  | <b>Audio</b>  | Ethernet (10/100 Base-T), RJ-45 connector  |   |
|                                  | <b>Digital I/O</b>  | 1 In (RCA female for microphone)   |   |
|                                  | <b>Local Storage*</b>   | 1 Out (RCA female for speaker)   |   |
|                                  |   | I/O Wire   |   |
|                                  |   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)                           |   |
|                                  |   | *SDXC and UHS-I card types are not supported                                       |   |
| <b>General</b>                   |   |  |   |
| <b>Environment Temperature</b>   |   | -20 °C ~ 50 °C (-4 °F ~ 122 °F)  |   |
| <b>Humidity</b>                  |   | 10% to 90% (no condensation)   |   |
| <b>Power Source</b>              |   | 12V DC / 24V AC / PoE (IEEE 802.3af)   |   |
| <b>Max. Power Consumption</b>    | 11.52 W   |  | 12.48 W   |
| <b>Regulatory</b>                |   | CE, FCC, RCM, RoHS compliant   |   |
| <b>Dimensions</b>                | <b>Camera Body</b>  | 289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")                                 |   |
|                                  | <b>Cable Length</b>   | 1 m (3.28 ft)  |   |
|                                  | <b>Max. Cable Diameter</b>  | Ø 7.1 mm (0.28")   |   |
|                                  | <b>Max. Connector Diameter</b>  | Ø 25.2 mm (0.99")  |   |
| <b>Weight</b>                    |   | 1.4 Kg (3.08 lb)   |   |
| <b>Ingress Protection</b>        |   | IP67   |   |
| <b>Vandal Resistance</b>         |   | IK10 for metal casing  |   |

### Note:

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



## Bullet Camera Specifications (Part 3)







|                           | GV-BL1501   | GV-BL2501   | GV-BL3401   | GV-BL2702   | GV-BL4702   | GV-BL2511-E   | GV-BL5311-E   |                 |
|---------------------------|---|---|---|---|---|---|---|-----------------|
|                           |  |  |  |  |  |  |  |                 |
| <b>Camera</b>             |   |   |   |   |   |   |   |                 |
| Image Sensor              | 1/3" progressive scan super low lux CMOS  | 1/2.8" progressive scan super low lux CMOS  | 1/3.2" progressive scan CMOS  | 1/2.8" progressive scan super low lux CMOS  | 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)   | 2048 (H) x 1536 (V)   | 1920 (H) x 1080 (V)   | 2592(H) x 1520 (V)  | 1920 (H) x 1080 (V)   | 2560 (H) x 1920 (V)   |                 |
| Minimum Illumination      | Color   | 0.01 Lux  | 0.02 Lux  | 0.08 Lux  | 0.005 Lux   | 0.03 Lux  | 0.02 Lux  |                 |
|                           | B/W   | 0.01 Lux  | 0.02 Lux  | 0.05 Lux  | 0.004 Lux   | 0.02 Lux  | 0.10 Lux  |                 |
|                           | IR ON   | 0 Lux   |   |   |   |   |   |                 |
| Shutter Speed             | Auto, Manual (1/5 ~ 1/8000sec)  |   |   | Automatic, Manual (1/5 ~ 1/16000 sec)   |   | Auto, Manual (1/5 ~ 1/8000sec)  |   |                 |
| White Balance             | Auto, Manual (2800K ~ 8500K)  |   |   |   |   |   |   |                 |
| Gain Control              | Automatic   |   |   |   |   |   |   |                 |
| S/N Ratio                 | 55 dB   | 52 dB   | 47 dB   | 56 dB   | 50 dB   | 52 dB   | 45 dB   |                 |
| WDR Pro (with WDR sensor) | N/A   | N/A   | Yes   | Yes   | Yes   | N/A   | N/A   |                 |
| Dynamic Range             | Up to 72 dB   | Up to 72 dB   | Up to 100 dB  | Up to 130 dB  | Up to 120 dB  | Up to 72 dB   | Up to 72 dB   |                 |
| <b>Operation</b>          |   |   |   |   |   |   |   |                 |
| Video Compression         | H.264, MJPEG  |   |   | H.265, H.264, MJPEG   |   | H.264, MJPEG  |   |                 |
| Video Streaming           | Dual streams  |   |   | Triple streams  |   | 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 1920 x 1080   | 30 fps at 2048 x 1520   | 30 fps at 1920 x 1080   | 10 fps at 2560 x 1920   |                 |
| Audio Compression         | G.711, AAC (optional)   |   |   |   |   |   |   |                 |
| Audio Support             | Two-way Audio   |   |   |   |   |   |   |                 |
| Sensor Input              | 1 input (Dry Contact)   |   |   |   |   |   |   |                 |
| Alarm Output              | 1 digital output (200mA 5V DC)  |   |   |   |   |   |   |                 |
| <b>Optical Lens</b>       |   |   |   |   |   |   |   |                 |
| Megapixel                 | Yes   |   |   |   |   |   |   |                 |
| Day/Night                 | Yes (with removable IR-cut filter)  |   |   |   |   |   |   |                 |
| Lens Type                 | Varifocal Lens  |   |   |   | Motorized Varifocal Lens  |   |   |                 |
| Focal Length              | 3 ~ 9 mm  |   |   | GV-BL2702-3V  | 2.8 ~ 12 mm   | 2.8 ~ 12 mm   | 3 ~ 9 mm  |                 |
|                           |   |   |   | GV-BL2702-4V  | 6 ~ 50 mm   |   |   |                 |
|                           |   |   |   | GV-BL2702-5V  | 9 ~ 22 mm   |   |   |                 |
| Maximum Aperture          | F/1.2   |   |   | GV-BL2702-3V  | F/1.7   | F/1.7   | F/1.2   |                 |
|                           |   |   |   | GV-BL2702-4V  | F/1.6   |   |   |                 |
|                           |   |   |   | GV-BL2702-5V  | F/2.0   |   |   |                 |
| Mount                     | Ø14 mm  |   |   |   |   |   |   |                 |
| Image Format              | 1/2.7"  |   |   |   |   |   |   |                 |
| Horizontal FOV            | 90° ~ 32°   | 103° ~ 36°  | 86° ~ 31°   | GV-BL2702-3V  | 110° ~ 38°  | 102° ~ 38°  | 103° ~ 36°  | 70° ~ 39°       |
|                           |   |   |   | GV-BL2702-4V  | 56° ~ 8°  |   |   |                 |
|                           |   |   |   | GV-BL2702-5V  | 42° ~ 17°   |   |   |                 |
| Operation                 | Focus   | Manual (w/lock)   |   |   |   |   | Auto Focus  |                 |
|                           | Zoom  | Manual (w/lock)   |   |   |   |   | 3X Optical Zoom   | 2X Optical Zoom |
|                           | Iris  | P-Iris  |   |   |   |   |   |                 |
| IR LED Quantity           | 16 IR LEDs  |   |   | 5 IR LEDs   |   | 16 IR LEDs  |   |                 |
| Max. IR Distance          | 70 m (230 ft)   | 50 m (164 ft)   |   | 60 m (196.85 ft)  | 50 m (164.04 ft)  | 50 m (164 ft)   | 40 m (131 ft)   |                 |
| <b>Mechanical</b>         |   |   |   |   |   |   |   |                 |
| Camera Angle              | Pan   | 0° ~ 360°   |   |   |   |   |   |                 |
|                           | Tilt  | 90° ~ 180°  |   |   |   |   |   |                 |
| Adjustment                | Rotate  | 0° ~ 360°   |   |   |   |   |   |                 |
| Temperature Detector      |   | Yes   |   |   |   |   |   |                 |
| Connectors                | Power   | 2-pin terminal block, PoE   |   |   |   | 2-pin terminal block  |   |                 |
|                           | 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  |   |   |   |   |   |                 |
|                           | Local Storage*  | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)                          |   |   | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)                                   |   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)                            |                 |
| <b>General</b>            |   |   |   |   |   |   |   |                 |
| Environment Temperature   | Start-up  | -30 °C ~ 50 °C (-22 °F ~ 122 °F)  |   |   | -20 °C ~ 60 °C (-4 °F ~ 140 °F)   | -20 °C ~ 60 °C (-4 °F ~ 140 °F)   | -40 °C ~ 50 °C (-40 °F ~ 122 °F)  |                 |
|                           | Operation   |   |   |   | -30 °C ~ 60 °C (-22 °F ~ 140 °F)  | -30 °C ~ 60 °C (-22 °F ~ 140 °F)  |   |                 |
| Humidity                  | 10% to 90% (no condensation)  |   |   |   |   |   |   |                 |
| Power Source              | 12V DC / 24V AC / PoE (IEEE802.3af)   |   |   |   |   |   | 12V DC / 24V AC   |                 |
| Max. Power Consumption    | 7.68 W  | 8 W   | 7.2 W   | 12.3 W  |   | 34 W  | 33.2 W  |                 |
| Regulatory                | CE, FCC, RCM, RoHS compliant  |   |   |   |   |   |   |                 |
| Dimensions                | 340.4 x 87.75 x 120 mm (13.4" x 3.45" x 4.72")                                    |   |   | ø 121.8 x 406 mm (4.79" x 15.98")   |   | 355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")  |   |                 |
| Weight                    | 1.91 kg (4.21 lb)   |   |   | 2.04 kg (4.50 lb)   | 2.14 kg (4.72 lb)   | 1.96 kg (4.32 lb)   |   |                 |



|                           |                       |  |
|---------------------------|-----------------------|--|
| <b>Heater</b>             | N/A                   | On: -40°C ~ 30°C (-40 °F ~ 86°F); Off: 31°C (87.8°F) |
| <b>Fan</b>                | NA                    | Constantly on  |
| <b>Ingress Protection</b> | IP67                  |  |
| <b>Vandal Resistance</b>  | IK10 for metal casing |  |



## Bullet Camera Specifications (Part 4)







|                                  | GV-BL1511   | GV-BL2511  | GV-BL3411   | GV-BL5311  | GV-BL4713   | GV-BL5713   |          |
|----------------------------------|---|--|---|--|---|---|----------|
|                                  |  |                         |  |  |        |  |          |
| <b>Camera</b>                    |   |  |   |  |   |   |          |
| <b>Image Sensor</b>              | 1/3" progressive scan super low lux CMOS  | 1/2.8" progressive scan super low lux CMOS   | 1/3.2" progressive scan CMOS  | 1/2.5" progressive scan CMOS   | 1/3" progressive scan super low lux CMOS  | 1/1.8" progressive scan low lux CMOS  |          |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)   | 1920 (H) x 1080 (V)  | 2048 (H) x 1536 (V)   | 2560 (H) x 1920 (V)  | 2592 (H) x 1520 (V)   | 2592 (H) x 1944 (V)   |          |
| <b>Minimum Illumination</b>      | <b>Color</b>  | 0.01 Lux   | 0.02 Lux  | 0.08 Lux   | 0.15 Lux  | 0.03 Lux  | 0.04 Lux |
|                                  | <b>B/W</b>  | 0.01 Lux   | 0.02 Lux  | 0.05 Lux   | 0.10 Lux  | 0.02 Lux  | 0.03 Lux |
| <b>IR ON</b>                     | 0 Lux   |  |   |  |   |   |          |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000sec)  |  |   |  | Automatic, Manual (1/5 ~ 1/16000 sec)   |   |          |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)  |  |   |  |   |   |          |
| <b>Gain Control</b>              | Automatic   |  |   |  |   |   |          |
| <b>S/N Ratio</b>                 | 55 dB   | 52 dB  | 47 dB   | 45 dB  | 50 dB   |   |          |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | N/A  | Yes   | N/A  | Yes   | N/A   |          |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 72 dB  | Up to 100 dB  | Up to 72 dB  | Up to 120 dB  | Up to 72 dB   |          |
| <b>Operation</b>                 |   |  |   |  |   |   |          |
| <b>Video Compression</b>         | H.264, MJPEG  |  |   |  | H.265, H.264, MJPEG   |   |          |
| <b>Video Streaming</b>           | Dual streams  |  |   |  | Triple streams  |   |          |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080  | 20 fps at 2048 x 1536   | 10 fps at 2560 x 1920  | 30 fps at 2048 x 1520   | 30 fps at 2592 x 1944   |          |
| <b>Audio Compression</b>         | G.711, AAC (optional)   |  |   |  |   |   |          |
| <b>Audio Support</b>             | Two-way Audio   |  |   |  |   |   |          |
| <b>Sensor Input</b>              | 1 input (Dry Contact)   |  |   |  |   |   |          |
| <b>Alarm Output</b>              | 1 digital output (200mA 5V DC)  |  |   |  |   |   |          |
| <b>Optical Lens</b>              |   |  |   |  |   |   |          |
| <b>Megapixel</b>                 | Yes   |  |   |  |   |   |          |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |  |   |  |   |   |          |
| <b>Lens Type</b>                 | Motorized Varifocal Lens  |  |   |  |   |   |          |
| <b>Focal Length</b>              | 3 ~ 9 mm  |  |   | 4.5 ~ 9 mm   | 2.8 ~ 12 mm   | 4 ~ 8 mm  |          |
| <b>Maximum Aperture</b>          | F/1.2   |  |   |  |   |   |          |
| <b>Mount</b>                     | Ø14 mm  |  |   |  |   |   |          |
| <b>Image Format</b>              | 1/2.7"  |  |   |  |   |   |          |
| <b>Horizontal FOV</b>            | 90° ~ 32°   | 103° ~ 36°   | 86° ~ 31°   | 70° ~ 39°  | 102° ~ 38°  | 90° ~ 50°   |          |
| <b>Operation</b>                 | <b>Focus</b>  | Auto Focus   |   |  |   |   |          |
|                                  | <b>Zoom</b>   | 3X Optical Zoom  |   | 2X Optical Zoom  | 4.3X optical zoom   | 2X optical zoom   |          |
| <b>Iris</b>                      | P-Iris  |  |   |  |   |   |          |
| <b>IR LED Quantity</b>           | 16 IR LEDs  |  |   |  | 5 IR LEDs   |   |          |
| <b>Max. IR Distance</b>          | 70 m (230 ft)   | 50 m (164 ft)  |   | 40 m (131 ft)  | 50 m (164.04 ft)  |   |          |
| <b>Mechanical</b>                |   |  |   |  |   |   |          |
| <b>Camera</b>                    | <b>Pan</b>  | 0° ~ 360°  |   |  |   |   |          |
|                                  | <b>Tilt</b>   | 90° ~ 180°   |   |  |   |   |          |
| <b>Adjustment</b>                | <b>Rotate</b>   | 0° ~ 360°  |   |  |   |   |          |
|                                  | <b>Detector</b>   | Yes  |   |  |   |   |          |
| <b>Connectors</b>                | <b>Power</b>  | 2-pin terminal block, PoE  |   |  |   |   |          |
|                                  | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 connector  |   |  |   |   |          |
|                                  | <b>Audio</b>  | 1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)                           |   |  |   |   |          |
|                                  | <b>Digital I/O</b>  | 3-pin terminal block   |   |  |   |   |          |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |  | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>* UHS-II card type is not supported. |   |          |
| <b>General</b>                   |   |  |   |  |   |   |          |
| <b>Environment Temperature</b>   | -20 °C ~ 50 °C (-4 °F ~ 122 °F)   |  |   |  |   |   |          |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |  |   |  |   |   |          |
| <b>Power Source</b>              | 12V DC / 24V AC / PoE (IEEE802.3af)   |  |   |  |   |   |          |
| <b>Max. Power Consumption</b>    | 13.8 W  | 13.4 W   |   | 12.48 W  | 12.9 W  | 13 W  |          |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant  |  |   |  |   |   |          |
| <b>Dimensions</b>                | 355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")                                      |  |   |  | ø128.64 x 406 mm (5.06" x 15.98")   |   |          |
| <b>Weight</b>                    | 1.96 Kg (4.32 lb)   |  |   |  | 2.44 kg (5.38 lb)   |   |          |
| <b>Ingress Protection</b>        | IP67  |  |   |  |   |   |          |
| <b>Vandal Resistance</b>         | IK10 for metal casing   |  |   |  | IK10  |   |          |

### Note:

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



## Ultra Bullet Camera Specifications








|                                  | GV-UBL1211  | GV-UBL2411   | GV-UBL3411  | GV-UBL1301 Series  | GV-UBL2401 Series   | GV-UBL3401 Series   |        |               |        |
|----------------------------------|---|--|---|--|---|---|--------|---------------|--------|
|                                  |  |                         |  |  |  |  |        |               |        |
| <b>Camera</b>                    |   |  |   |  |   |   |        |               |        |
| <b>Image Sensor</b>              | 1/3" progressive scan low lux CMOS  | 1/3.2" progressive scan CMOS   | 1/3.2" progressive scan CMOS  | 1/2.5" progressive scan CMOS   | 1/3.2" progressive scan CMOS  |   |        |               |        |
| <b>Picture Elements</b>          | 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)   |        |               |        |
| <b>Minimum Illumination</b>      | <b>Color</b>  | 0.05 Lux   | 0.08 Lux  | 0.08 Lux   | 0.08 Lux  |   |        |               |        |
|                                  | <b>B/W</b>  | 0.03 Lux   | 0.05 Lux  | 0.05 Lux   | 0.05 Lux  |   |        |               |        |
|                                  | <b>IR ON</b>  | 0 Lux  |   |  |   |   |        |               |        |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000sec)  |  |   |  |   |   |        |               |        |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)  |  |   |  |   |   |        |               |        |
| <b>Gain Control</b>              | Automatic   |  |   |  |   |   |        |               |        |
| <b>S/N Ratio</b>                 | 50 dB   | 47 dB  | 47 dB   | 45 dB  | 47 dB   |   |        |               |        |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | Yes  | Yes   | N/A  | Yes   |   |        |               |        |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 100 dB   | Up to 100 dB  | Up to 72 dB  | Up to 100 dB  |   |        |               |        |
| <b>Operation</b>                 |   |  |   |  |   |   |        |               |        |
| <b>Video Compression</b>         | H.264, MJPEG  |  |   |  |   |   |        |               |        |
| <b>Video Streaming</b>           | Dual streams  |  |   |  |   |   |        |               |        |
| <b>Frame Rate</b>                | 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   |        |               |        |
| <b>Audio Support</b>             | No  |  |   |  |   |   |        |               |        |
| <b>Sensor Input</b>              | 1 input (Dry Contact)   |  |   |  |   |   |        |               |        |
| <b>Alarm Output</b>              | 1 digital output (200mA 5V DC)  |  |   |  |   |   |        |               |        |
| <b>Optical Lens</b>              |   |  |   |  |   |   |        |               |        |
| <b>Megapixel</b>                 | Yes   |  |   |  |   |   |        |               |        |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |  |   |  |   |   |        |               |        |
| <b>Lens Type</b>                 | Motorized Varifocal Lens  |  |   | Fixed Lens   |   |   |        |               |        |
| <b>Focal Length</b>              | 3~9 mm  |  |   | 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  |
| <b>Maximum Aperture</b>          | F/1.2   |  |   | 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  | F/1.6   | GV-UBL2401-2F   | F/1.6  | GV-UBL3401-2F | F/1.6  |
|                                  |   |  |   | GV-UBL1301-3F  | F/1.6   | GV-UBL2401-3F   | F/1.6  | GV-UBL3401-3F | F/1.6  |
| <b>Mount</b>                     | Ø14 mm  |  |   | M12  |   |   |        |               |        |
| <b>Image Format</b>              | 1/2.7"  |  |   | 1/3"   |   |   |        |               |        |
| <b>Horizontal FOV</b>            | 86° ~ 32°   | 82° ~ 30°  | 86° ~ 31°   | 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°    |
| <b>Operation</b>                 | <b>Focus</b>  | Auto Focus   |   |  | Fixed   |   |        |               |        |
|                                  | <b>Zoom</b>   | 3X Optical Zoom  |   |  |   |   |        |               |        |
|                                  | <b>Iris</b>   | DC Drive   |   |  |   |   |        |               |        |
| <b>IR LED Quantity</b>           | 4 IR LEDs   |  |   |  |   |   |        |               |        |
| <b>Max. IR Distance</b>          | 10 m (32.81 ft)   |  |   |  |   |   |        |               |        |
| <b>Mechanical</b>                |   |  |   |  |   |   |        |               |        |
| <b>Temperature Detector</b>      | Yes   |  |   |  |   |   |        |               |        |
| <b>Connectors</b>                | <b>Power</b>  | 2-pin terminal block, PoE  |   |  |   |   |        |               |        |
|                                  | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof)                   |   |  |   |   |        |               |        |
|                                  | <b>Audio</b>  | N/A  |   |  |   |   |        |               |        |
|                                  | <b>Digital I/O</b>  | I/O Wire   |   |  |   |   |        |               |        |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |  |   |   |        |               |        |
| <b>General</b>                   |   |  |   |  |   |   |        |               |        |
| <b>Environment Temperature</b>   | -10 °C ~ 45 °C (14 °F ~ 113 °F)   |  |   | <b>Start-up</b>  | -20 °C ~ 45 °C (-4 °F ~ 113 °F)   | -20 °C ~ 45 °C (-4 °F ~ 113 °F)   |        |               |        |
|                                  |   |  |   | <b>Operation</b>   | -30 °C ~ 45 °C (-22 °F ~ 113 °F)  |   |        |               |        |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |  |   |  |   |   |        |               |        |
| <b>Power Source</b>              | 5V DC / PoE (IEEE 802.3af)  |  |   |  |   |   |        |               |        |
| <b>Max. Power Consumption</b>    | 6.94 W  |  |   | 5.52W  |   |   |        |               |        |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant  |  |   |  |   |   |        |               |        |
| <b>Dimensions</b>                | 148.75 x 65 x 69 mm (5.9" x 2.6" x 2.7")  |  |   | 124 x 65 x 69 mm (4.9" x 2.6" x 2.7")  |   |   |        |               |        |
| <b>Weight</b>                    | 850 g (1.9 lb)  |  |   | 730 g (1.6 lb)   |   |   |        |               |        |
| <b>Ingress Protection</b>        | IP67  |  |   |  |   |   |        |               |        |
| <b>Vandal Resistance</b>         | IK10 for metal casing   |  |   |  |   |   |        |               |        |

**Note:**

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



## 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)   |  |
|----------------------------------|--|--|--|--|---|---|---|--|
|                                  |                                   |                               |                                   |  |  |  |  |  |
| <b>Camera</b>                    |  |  |  |  |   |   |   |  |
| <b>Image Sensor</b>              | 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  |  |
| <b>Picture Elements</b>          | 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)   |  |
| <b>Minimum Illumination</b>      | 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  |  |  |   |   |   |  |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000 sec)  |  |  |  |   |   |   |  |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)   |  |  |  |   |   |   |  |
| <b>Gain Control</b>              | Automatic  |  |  |  |   |   |   |  |
| <b>S/N Ratio</b>                 | 50 dB  | 45 dB  |  | 55 dB  | 47 dB   | 52 dB   | 47 dB   |  |
| <b>WDR Pro (with WDR sensor)</b> | N/A  |  |  |  | Yes   | N/A   | Yes   |  |
| <b>Dynamic Range</b>             | Up to 72 dB  |  |  |  | Up to 100 dB  | Up to 72 dB   | Up to 100 dB  |  |
| <b>Operation</b>                 |  |  |  |  |   |   |   |  |
| <b>Video Compression</b>         | H.264, MJPEG   |  |  |  |   |   |   |  |
| <b>Video Streaming</b>           | Dual streams   |  |  |  |   |   |   |  |
| <b>Frame Rate</b>                | 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   |  |
| <b>Audio Compression</b>         | G.711, AAC (optional)  |  |  |  |   |   |   |  |
| <b>Audio Support</b>             | Two-way Audio  |  |  |  |   |   |   |  |
| <b>Sensor Input</b>              | 1 Input (Dry Contact)  |  |  |  |   |   |   |  |
| <b>Alarm Output</b>              | 1 Digital output (200mA 5V DC)   |  |  |  |   |   |   |  |
| <b>Optical Lens</b>              |  |  |  |  |   |   |   |  |
| <b>Megapixel</b>                 | Yes  |  |  |  |   |   |   |  |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)   |  |  |  |   |   |   |  |
| <b>Lens Type</b>                 | Varifocal Lens   |  |  |  |   |   |   |  |
| <b>Focal Length</b>              | 3 ~ 9 mm   |  |  |  |   |   |   |  |
| <b>Maximum Aperture</b>          | F/1.3  |  |  | F/1.2  |   |   |   |  |
| <b>Mount</b>                     | Ø14 mm   |  |  |  |   |   |   |  |
| <b>Image Format</b>              | 1/3"   |  |  |  |   |   |   |  |
| <b>Horizontal FOV</b>            | 86° ~ 32°  | 82° ~ 30°  | 86° ~ 31°  | 90° ~ 32°  | 82° ~ 30°   | 103° ~ 36°  | 86° ~ 31°   |  |
| <b>Operation</b>                 | <b>Focus</b>   | Manual (w/lock)  |  |  |   |   |   |  |
|                                  | <b>Zoom</b>  | Manual (w/lock)  |  |  |   |   |   |  |
|                                  | <b>Iris</b>  | DC drive   |  |  |   |   |   |  |
| <b>IR LED Quantity</b>           | 10 IR LEDs   |  |  |  |   |   |   |  |
| <b>Max. IR Distance</b>          | 15 m (50 ft)   |  |  |  | 30 m (98.4 ft)  |   |   |  |
| <b>Mechanical</b>                |  |  |  |  |   |   |   |  |
| <b>Camera</b>                    | <b>Pan</b>   | 0° ~ 350°  |  |  |   |   |   |  |
| <b>Angle</b>                     | <b>Tilt</b>  | 10° ~ 90°  |  |  |   |   |   |  |
| <b>Adjustment</b>                | <b>Rotate</b>  | 0° ~ 340°  |  |  |   |   |   |  |
| <b>3-axis Mechanism</b>          | Yes  |  |  |  |   |   |   |  |
| <b>Temperature Detector</b>      | Yes  |  |  |  |   |   |   |  |
| <b>Connectors</b>                | <b>Power</b>   | 2-pin terminal block, PoE  |  |  |   |   |   |  |
|                                  | <b>Ethernet</b>  | Ethernet (10/100 Base-T), RJ-45 connector  |  |  |   |   |   |  |
|                                  | <b>Audio</b>   | 1 In (RCA female for microphone), 1 Out (RCA female for speaker)   |  |  |   |   |   |  |
|                                  | <b>Digital I/O</b>   | I/O Wire   |  |  |   |   |   |  |
|                                  | <b>Local Storage*</b>  | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported          |  |  |   |   |   |  |
| <b>TV-Out</b>                    | BNC connector (640 x 480 resolution)   |  |  |  |   |   |   |  |
| <b>LED Indicator</b>             | 2 LEDs: Power, Status  |  |  |  |   |   |   |  |
| <b>General</b>                   |  |  |  |  |   |   |   |  |
| <b>Environment Temperature</b>   | -30 °C ~ 50 °C (-22 °F ~ 122 °F)   |  |  |  |   |   |   |  |
| <b>Humidity</b>                  | 10% to 90% (no condensation)   |  |  |  |   |   |   |  |
| <b>Power Source</b>              | 12V DC / 24V AC / PoE (IEEE 802.3af)   |  |  |  |   |   |   |  |
| <b>Max. Power Consumption</b>    | 12 W   |  |  |  |   |   |   |  |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant   |  |  |  |   |   |   |  |
| <b>Dimensions</b>                | <b>Camera Body</b>   | Ø 165 x 125 mm (6.49" x 4.92")   |  |  |   |   |   |  |
|                                  | <b>Cable Length</b>  | 1 m (3.28 ft)  |  |  |   |   |   |  |
|                                  | <b>Cable Diameter</b>  | Ø 16.7 mm (0.66")  |  |  |   |   |   |  |
|                                  | <b>Max. Connector Diameter</b>   | Ø 16.7 mm (0.66")  |  |  |   |   |   |  |
| <b>Weight</b>                    | 1.7 kg (3.75 lb)   |  |  |  |   |   |   |  |
| <b>Ingress Protection</b>        | IP67   |  |  |  |   |   |   |  |

### Note:

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



## Vandal Proof Dome Specifications (Part 2)

|                           |                | GV-VD1530  | GV-VD2430   | GV-VD2530   | GV-VD3430   |
|---------------------------|----------------|--|---|---|---|
|                           |                |                         |  |  |  |
| <b>Camera</b>             |                |  |   |   |   |
| 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   |
| Dynamic Range             |                | Up to 72 dB  | Up to 100 dB  | Up to 72 dB   | Up to 100 dB  |
| <b>Operation</b>          |                |  |   |   |   |
| 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)  |   |   |   |
| Audio Support             |                | Two-way Audio  |   |   |   |
| Sensor Input              |                | 1 Input (Dry Contact)  |   |   |   |
| Alarm Output              |                | 1 Output (200mA 5V DC)   |   |   |   |
| <b>Optical Lens</b>       |                |  |   |   |   |
| 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°  | 82° ~ 30°   |
| Operation                 | Focus          | Manual (w/lock)  |   |   |   |
|                           | Zoom           | Manual (w/lock)  |   |   |   |
|                           | Iris           | DC drive   |   |   |   |
| IR LED Quantity           |                | 6 IR High Power LEDs   |   |   |   |
| Max. IR Distance          |                | 30 m (98.4 ft)   | 20 m (65.6 ft)  | 25 m (82.0 ft)  | 20 m (65.6 ft)  |
| <b>Mechanical</b>         |                |  |   |   |   |
| Camera                    | Pan            | -90° ~ 90°   |   |   |   |
| Angle                     | Tilt           | 0° ~ 85°   |   |   |   |
| Adjustment                | Rotate         | 0° ~ 350°  |   |   |   |
| 3-axis Mechanism          |                | Yes  |   |   |   |
| 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 |   |   |   |
| LED Indicator             |                | 2 LEDs: Power, Status  |   |   |   |
| <b>General</b>            |                |  |   |   |   |
| Environment               | Start-up       | -20 °C ~ 50 °C (-4 °F ~ 122 °F)  |   |   |   |
| Temperature               | 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:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- 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.
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.











### Vandal Proof Dome Specifications (Part 3)

|                                  | GV-VD3700  | GV-VD5700  | GV-VD2702   | GV-VD4702  | GV-VD8700   |   |
|----------------------------------|--|--|---|--|---|---|
|                                  |                           |   |  |       |  |   |
| <b>Camera</b>                    |  |  |   |  |   |   |
| <b>Image Sensor</b>              | 1/2.8" progressive scan super low lux CMOS   | 1/1.8" progressive scan CMOS   | 1/1.8" progressive scan super low lux CMOS  | 1/3" progressive scan super low lux CMOS   | 1/2.5" progressive scan low lux CMOS  |   |
| <b>Picture Elements</b>          | 2048 (H) x 1536 (V)  | 2592 (H) x 1944 (V)  | 1920 (H) x 1080 (V)   | 2592 (H) x 1520 (V)  | 3840 (H) x 2160 (V)   |   |
| <b>Minimum Illumination</b>      | <b>Color</b>   | 0.01 Lux   | 0.04 Lux  | 0.005 Lux  | 0.03 Lux  | 0.05 Lux  |
|                                  | <b>B/W</b>   | 0.01 Lux   | 0.03 Lux  | 0.004 Lux  | 0.02 Lux  | 0.04 Lux  |
|                                  |  |  | 0 Lux   |  |   |   |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000 sec)  |  | Auto, Manual (1/5 ~ 1/16000 sec)  | Auto, Manual (1/5 ~ 1/8000 sec)  | Automatic, Manual (1/30 ~ 1/8000 sec)   |   |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)   |  |   |  |   |   |
| <b>Gain Control</b>              | Automatic  |  |   |  |   |   |
| <b>S/N Ratio</b>                 | 54 dB  | 50 dB  | 56 dB   | 50 dB  |   |   |
| <b>WDR Pro (with WDR sensor)</b> | Yes  | N/A  | Yes   |  | N/A   |   |
| <b>Dynamic Range</b>             | Up to 120 dB   | Up to 72 dB  | Up to 130 dB  | Up to 120 dB   | Up to 72 dB   |   |
| <b>Operation</b>                 |  |  |   |  |   |   |
| <b>Video Compression</b>         | H.265, H.264, MJPEG  |  |   |  | H.265, H.264  |   |
| <b>Video Streaming</b>           | Stream 1 from H.265 or H.264<br>Stream 2 from H.265, H.264 or MJPEG<br>Stream 3 from H.265, H.264 or MJPEG |  |   |  | Stream 1 from H.265 or H.264<br>Stream 2 from H.264<br>Stream 3 from H.264          |   |
| <b>Frame Rate</b>                | 30 fps at 2048 x 1536  |  | 30 fps at 1920 x 1080   | 20 fps at 2592 x 1520,<br>24 fps at 2560 x 1440,<br>30 fps at 2048 x 1520                | 30 fps at 3840 x 2160 (50 / 60 Hz)  |   |
| <b>Audio Compression</b>         | G.711, AAC (optional)  |  |   |  |   |   |
| <b>Audio Support</b>             | Two-way Audio  |  |   |  | One-way Audio   |   |
| <b>Sensor Input</b>              | 1 Input (Dry Contact)  |  |   |  |   |   |
| <b>Alarm Output</b>              | 1 Output (200mA 5V DC)   |  |   |  |   |   |
| <b>Optical Lens</b>              |  |  |   |  |   |   |
| <b>Megapixel</b>                 | Yes  |  |   |  |   |   |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)   |  |   |  |   |   |
| <b>Lens Type</b>                 | Varifocal Lens   |  |   |  |   |   |
| <b>Focal Length</b>              | 2.8 ~ 12 mm  | 4 ~ 8 mm   | 2.8 ~ 12 mm   |  | 3.3 ~ 12 mm   |   |
| <b>Maximum Aperture</b>          | F/1.7  | F/1.65   | F/1.7   |  | F/1.4   |   |
| <b>Mount</b>                     | Ø14 mm   |  |   |  |   |   |
| <b>Image Format</b>              | 1/2.7"   | 1/1.8"   | 1/2.7"  |  | 1/2.5"  |   |
| <b>Horizontal FOV</b>            | 98° ~ 35°  | 88° ~ 51°  | 110° ~ 38°  | 102° ~ 36°   | 106° ~ 42°  |   |
| <b>Operation</b>                 | <b>Focus</b>   | Manual (w/lock)  |   |  |   |   |
|                                  | <b>Zoom</b>  | Manual (w/lock)  |   |  |   |   |
|                                  | <b>Iris</b>  | P-Iris   |   |  |   |   |
| <b>IR LED Quantity</b>           | 12 IR LEDs   |  | 4 IR LEDs   |  | 20 IR LEDs  |   |
| <b>Max. IR Distance</b>          | 30 m (98.4 ft)   |  |   |  | 40 m (131.23 ft)  |   |
| <b>Mechanical</b>                |  |  |   |  |   |   |
| <b>Camera Angle Adjustment</b>   | <b>Pan</b>   | 0° ~ 360°  |   | 0° ~ 350°  |   |   |
|                                  | <b>Tilt</b>  | 90° ~ 180°   |   | 0° ~ 75°   |   |   |
|                                  | <b>Rotate</b>  | 0° ~ 355°  |   | 0° ~ 340°  |   |   |
| <b>3-axis Mechanism</b>          | Yes  |  |   |  |   |   |
| <b>Temperature Detector</b>      | Yes  |  |   |  |   |   |
| <b>Connectors</b>                | <b>Power</b>   | Terminal block for 12V DC, PoE   |   | 2-pin terminal block (DC 12V, 3A), PoE   |   |   |
|                                  | <b>Ethernet</b>  | Ethernet (10/100 Base-T), RJ-45 connector  |   |  |   |   |
|                                  | <b>Audio</b>   | 1 In (terminal block for passive microphone)<br>1 Out (terminal block for speaker) |   | 1 In (3.5 mm phone jack for microphone),<br>1 Out (3.5 mm phone jack for speaker)        |   | 1 In (built-in or external microphone with power supply);<br>1 Out (3.5 mm phone jack for speaker) (Currently not functional) |
|                                  | <b>Digital I/O</b>   | 4-pin terminal block   |   | I/O wires  |   |   |
|                                  | <b>Local Storage*</b>  | Micro SD card slot (SD/SDHC/SDXC, Class 10)<br>*UHS-II card type is not supported. |   | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |   |   |
| <b>TV-Out</b>                    | N/A  |  | BNC connector (640 x 480 resolution)  |  | N/A   |   |
| <b>LED Indicator</b>             | 2 LEDs: Power, Status  |  |   |  |   |   |
| <b>General</b>                   |  |  |   |  |   |   |
| <b>Environment Temperature</b>   | <b>Start-up</b>  | -20 °C ~ 50 °C (-4 °F ~ 122 °F)  |   | -20 °C ~ 60 °C (-4 °F ~ 140 °F)  | -20 °C ~ 50 °C (-4 °F ~ 122 °F)   |   |
|                                  | <b>Operation</b>   | -30 °C ~ 50 °C (-22 °F ~ 122 °F)   |   | -30 °C ~ 60 °C (-22 °F ~ 140 °F)   | -30 °C ~ 50 °C (-22 °F ~ 122 °F)  |   |
| <b>Humidity</b>                  | 10% ~ 90% (no condensation)  |  |   |  |   |   |
| <b>Power Source</b>              | 12V DC / PoE (IEEE 802.3af)  |  |   |  |   |   |
| <b>Max. Power Consumption</b>    | 12.6 W   |  | 8.64 W  |  | 11.04 W   |   |
| <b>Regulatory</b>                | CE, FCC, RCM, LVD, RoHS compliant  |  |   |  |   |   |
| <b>Dimensions</b>                | ø 150.3 x 105.5 mm (5.92" x 4.15")   |  | ø160 x 108.4 mm (6.2" x 4.27")  |  |   |   |
| <b>Weight</b>                    | 800 g (1.76 lb)  |  | 1.15 kg (2.54 lb)   |  | 1.2 kg (2.64 lb)  |   |
| <b>Ingress Protection</b>        | IP67   |  |   |  |   |   |
| <b>Vandal Resistance</b>         | IK10   |  |   |  |   |   |



## Vandal Proof Dome Specifications (Part 4)






|                                  | GV-VD1540   | GV-VD2440  | GV-VD2540   | GV-VD2712   | GV-VD4712  | GV-VD3440   |  |
|----------------------------------|---|--|---|---|--|---|--|
|                                  |  |                         |  |  |       |  |  |
| <b>Camera</b>                    |   |  |   |   |  |   |  |
| <b>Image Sensor</b>              | 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" progressive scan super low lux CMOS  | 1/3" progressive scan super low lux CMOS   | 1/3.2" progressive scan CMOS  |  |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)   | 1920 (H) x 1080 (V)  | 1920 (H) x 1080 (V)   | 1920 (H) x 1080 (V)   | 2592 (H) x 1520 (V)  | 2048 (H) x 1536 (V)   |  |
| <b>Minimum Illumination</b>      | Color   | 0.01 Lux   | 0.08 Lux  | 0.02 Lux  | 0.005 Lux  | 0.03 Lux  | 0.08 Lux   |
|                                  | B/W   | 0.01 Lux   | 0.05 Lux  | 0.02 Lux  | 0.004 Lux  | 0.02 Lux  | 0.05 Lux   |
|                                  | IR ON   | 0 Lux  |   |   |  |   |  |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000 sec)   |  |   | Auto, Manual (1/5 ~ 1/16000 sec)  |  | Auto, Manual (1/5 ~ 1/8000 sec)   |  |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)  |  |   |   |  |   |  |
| <b>Gain Control</b>              | Automatic   |  |   |   |  |   |  |
| <b>S/N Ratio</b>                 | 55 dB   | 47 dB  | 52 dB   | 56 dB   | 50 dB  | 47 dB   |  |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | Yes  | N/A   | Yes   |  |   |  |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 100 dB   | Up to 72 dB   | Up to 130 dB  | Up to 120 dB   | Up to 100 dB  |  |
| <b>Operation</b>                 |   |  |   |   |  |   |  |
| <b>Video Compression</b>         | H.264, MJPEG  |  |   | H.265, H.264, MJPEG   |  | H.264, MJPEG  |  |
| <b>Video Streaming</b>           | Dual streams  |  |   | Triple streams  |  | Dual streams  |  |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080  |   |   | 30 fps at 2048 x 1520  | 20 fps at 2048 x 1536   |  |
| <b>Audio Compression</b>         | G.711, AAC (optional)   |  |   |   |  |   |  |
| <b>Audio Support</b>             | Two-way Audio   |  |   |   |  |   |  |
| <b>Sensor Input</b>              | 1 Input (Dry Contact)   |  |   |   |  |   |  |
| <b>Alarm Output</b>              | 1 Output (200mA 5V DC)  |  |   |   |  |   |  |
| <b>Optical Lens</b>              |   |  |   |   |  |   |  |
| <b>Megapixel</b>                 | Yes   |  |   |   |  |   |  |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |  |   |   |  |   |  |
| <b>Lens Type</b>                 | Motorized Varifocal Lens  |  |   |   |  |   |  |
| <b>Focal Length</b>              | 3 ~ 9 mm  |  |   | 2.8 ~ 12 mm   |  | 3 ~ 9 mm  |  |
| <b>Maximum Aperture</b>          | F/1.2   |  |   | F/1.2   | F/1.4  | F/1.2   |  |
| <b>Mount</b>                     | Ø14 mm  |  |   |   |  |   |  |
| <b>Image Format</b>              | 1/2.7"  |  |   |   |  |   |  |
| <b>Horizontal FOV</b>            | 90° ~ 32°   | 82° ~ 30°  | 103° ~ 36°  | 110° ~ 38°  | 90° ~ 35°  | 86° ~ 31°   |  |
| <b>Focus</b>                     | Auto Focus  |  |   |   |  |   |  |
| <b>Operation Zoom</b>            | 3x Optical Zoom   |  |   | 4.3x optical zoom   |  | 3x Optical Zoom   |  |
| <b>Iris</b>                      | DC drive  |  |   | P-Iris  |  | DC drive  |  |
| <b>High Power LED</b>            | 6 IR LEDs   |  |   |   |  |   |  |
| <b>Max. IR Distance</b>          | 30 m (98.4 ft)  | 20 m (65.6 ft)   | 25 m (82.0 ft)  | 30 m (98.4 ft)  |  | 20 m (65.6 ft)  |  |
| <b>Mechanical</b>                |   |  |   |   |  |   |  |
| <b>Camera Pan</b>                | -90° ~ 90°  |  |   | 0° ~ 350°   |  | -90° ~ 90°  |  |
| <b>Angle Tilt</b>                | 0° ~ 85°  |  |   | 0° ~ 75°  |  | 0° ~ 85°  |  |
| <b>Adjustment Rotate</b>         | 0° ~ 350°   |  |   | 0° ~ 340°   |  | 0° ~ 350°   |  |
| <b>3-axis Mechanism</b>          | Yes   |  |   |   |  |   |  |
| <b>Temperature Detector</b>      | Yes   |  |   |   |  |   |  |
| <b>Power</b>                     | 2-pin terminal block, PoE   |  |   |   |  |   |  |
| <b>Ethernet</b>                  | Ethernet (10/100 Base-T), RJ-45 connector   |  |   |   |  |   |  |
| <b>Audio</b>                     | 1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)    |  |   |   |  |   |  |
| <b>Connectors</b>                | <b>Digital I/O</b>  | 3-pin terminal block, pitch 2.5 mm (0.1")  |   |   | I/O wires  |   | 3-pin terminal block, pitch 2.5 mm (0.1")  |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |   | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |
|                                  | <b>TV-Out</b>   | BNC connector  |   |   |  |   |  |
| <b>LED Indicator</b>             | 2 LEDs: Power, Status   |  |   |   |  |   |  |
| <b>General</b>                   |   |  |   |   |  |   |  |
| <b>Environment Temperature</b>   | -20 °C ~ 50 °C (-4 °F ~ 122 °F)   |  |   | -20 °C ~ 60 °C (-4 °F ~ 140 °F)   |  | -20 °C ~ 50 °C (-4 °F ~ 122 °F)   |  |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |  |   |   |  |   |  |
| <b>Power Source</b>              | 12V DC / 24V AC / PoE (IEEE 802.3at)  |  |   | 12V DC / PoE (IEEE 802.3af)   |  | 12V DC / 24V AC / PoE (IEEE 802.3at)  |  |
| <b>Max. Power Consumption</b>    | 22.48 W   |  |   | 8.64 W  | 8.16 W   | 22.48 W   |  |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant  |  |   | CE, FCC, RCM, LVD, RoHS compliant   |  | CE, FCC, RCM, RoHS compliant  |  |
| <b>Dimensions</b>                | Ø176.5 x 118 mm (6.9" x 4.6")   |  |   | Ø160 x 108.4 mm (6.2" x 4.27")  |  | Ø176.5 x 118 mm (6.9" x 4.6")   |  |
| <b>Weight</b>                    | 1.83 kg (4.03 lb)   |  |   | 1.15 kg (2.54 lb)   |  | 1.83 kg (4.03 lb)   |  |
| <b>Ingress Protection</b>        | IP67  |  |   |   |  |   |  |
| <b>Vandal Resistance</b>         | IK10+   |  |   | IK10  |  | IK10+   |  |

**Note:**

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



## Vandal Proof Dome Specifications (Part 5)





|                                | GV-VD5340   | GV-VD4711  | GV-VD5711   | GV-VD2540-E   | GV-VD5340-E   |          |
|--------------------------------|---|--|---|---|---|----------|
|                                |  |                           |     |  |                    |          |
| <b>Camera</b>                  |   |  |   |   |   |          |
| <b>Image Sensor</b>            | 1/2.5" progressive scan CMOS  | 1/3" progressive scan super low lux CMOS   | 1/1.8" progressive scan CMOS  | 1/2.8" progressive scan super low lux CMOS  | 1/2.5" progressive scan CMOS  |          |
| <b>Picture Elements</b>        | 2560 (H) x 1920 (V)   | 2592 (H) x 1520 (V)  | 2592 (H) x 1944 (V)   | 1920 (H) x 1080 (V)   | 2560 (H) x 1920 (V)   |          |
| <b>Minimum Illumination</b>    | <b>Color</b>  | 0.15 Lux   | 0.03 Lux  | 0.04 Lux  | 0.02 Lux  | 0.15 Lux |
|                                | <b>B/W</b>  | 0.10 Lux   | 0.02 Lux  | 0.03 Lux  | 0.02 Lux  | 0.10 Lux |
|                                | 0 Lux   |  |   |   |   |          |
| <b>Shutter Speed</b>           | Auto, Manual (1/5 ~ 1/8000 sec)   |  |   |   |   |          |
| <b>White Balance</b>           | Auto, Manual (2800K ~ 8500K)  |  |   |   |   |          |
| <b>Gain Control</b>            | Automatic   |  |   |   |   |          |
| <b>S/N Ratio</b>               | 45 dB   | 50 dB  | 46 dB   | 52 dB   | 45 dB   |          |
| <b>WDR</b>                     | Yes   | WDR Pro  | Yes   | Yes   |   |          |
| <b>Dynamic Range</b>           | Up to 72 dB   | Up to 120 dB   | Up to 72 dB   | Up to 72 dB   |   |          |
| <b>Operation</b>               |   |  |   |   |   |          |
| <b>Video Compression</b>       | H.264, MJPEG  | H.265, H.264, MJPEG  |   | H.264, MJPEG  |   |          |
| <b>Video Streaming</b>         | Dual streams  | Stream 1 from H.265 or H.264<br>Stream 2 from H.265, H.264 or MJPEG<br>Stream 3 from H.265, H.264 or MJPEG |   | Dual streams  |   |          |
| <b>Frame Rate</b>              | 10 fps at 2560 x 1920   | 20 fps at 2592 x 1520, 24 fps at 2560 x 1440,<br>30 fps at 2048 x 1520                                     | 30 fps at 2592 x 1944   | 30 fps at 1920 x 1080   | 10 fps at 2560 x 1920   |          |
| <b>Audio Compression</b>       | G.711, AAC (optional)   | G.711, AAC (optional)  |   |   |   |          |
| <b>Audio Support</b>           | Two-way Audio   |  |   |   |   |          |
| <b>Sensor Input</b>            | 1 Input (Dry Contact)   |  |   |   |   |          |
| <b>Alarm Output</b>            | 1 Output (200mA 5V DC)  |  |   |   |   |          |
| <b>Optical Lens</b>            |   |  |   |   |   |          |
| <b>Megapixel</b>               | Yes   |  |   |   |   |          |
| <b>Day/Night</b>               | Yes (with removable IR-cut filter)  |  |   |   |   |          |
| <b>Lens Type</b>               | Motorized Varifocal Lens  |  |   |   |   |          |
| <b>Focal Length</b>            | 3.3 ~ 9 mm  | 2.8 ~ 12 mm  | 4 ~ 8 mm  | 3 ~ 9 mm  | 3.3 ~ 9 mm  |          |
| <b>Maximum Aperture</b>        | F/1.2   | F/1.7  | F/1.65  | F/1.2   |   |          |
| <b>Mount</b>                   | Ø14 mm  |  |   |   |   |          |
| <b>Image Format</b>            | 1/2.7"  | 1/2.7"   | 1/1.8"  | 1/2.7"  |   |          |
| <b>Horizontal FOV</b>          | 100° ~ 39°  | 95° ~ 36°  | 90° ~ 48°   | 103° ~ 36°  | 100° ~ 39°  |          |
| <b>Focus</b>                   | Auto Focus  |  |   |   |   |          |
| <b>Zoom</b>                    | 3x Optical Zoom   | 4.3x Optical Zoom  | 2x Optical zoom   | 3x Optical Zoom   |   |          |
| <b>Iris</b>                    | DC drive  | P-Iris   |   | DC drive  |   |          |
| <b>High Power LED</b>          | 6 IR LEDs   |  |   |   |   |          |
| <b>Max. IR Distance</b>        | 20 m (65.6 ft)  | 30 m (100 ft.)   |   | 25 m (82.0 ft)  | 20 m (65.6 ft)  |          |
| <b>Mechanical</b>              |   |  |   |   |   |          |
| <b>Camera Angle</b>            | <b>Pan</b>  | -90° ~ 90°   |   |   |   |          |
| <b>Adjustment</b>              | <b>Tilt</b>   | 0° ~ 85°   |   |   |   |          |
| <b>3-axis Mechanism</b>        | <b>Rotate</b>   | 0° ~ 350°  |   |   |   |          |
| <b>Temperature Detector</b>    | Yes   |  |   |   |   |          |
| <b>Power</b>                   | 2-pin terminal block, PoE   |  |   |   |   |          |
| <b>Connectors</b>              | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 connector  | Ethernet (10/100 Base-T), RJ-45 cable   |   | Ethernet (10/100 Base-T), RJ-45 connector   |          |
|                                | <b>Audio</b>  | 1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)                             |   |   |   |          |
|                                | <b>Digital I/O</b>  | 3-pin terminal block, pitch 2.5 mm (0.1")  |   |   |   |          |
|                                | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported      | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported. |   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported |          |
| <b>TV-Out</b>                  | BNC connector (640 x 480 resolution)  | BNC connector (D1 solution)  |   | BNC connector (640 x 480 resolution)  |   |          |
| <b>LED Indicator</b>           | 2 LEDs: Power, Status   |  |   |   |   |          |
| <b>General</b>                 |   |  |   |   |   |          |
| <b>Environment Temperature</b> | -20 °C ~ 50 °C (-4 °F ~ 122 °F)   |  |   | -40 °C ~ 50 °C (-40 °F ~ 122 °F)  |   |          |
| <b>Heat On</b>                 | N/A   | N/A  |   | On (0°C / 32°F), Off (1°C / 33.8°F)   |   |          |
| <b>Fan</b>                     | N/A   |  |   |   |   |          |
| <b>Humidity</b>                | 10% to 90% (no condensation)  |  |   |   |   |          |
| <b>Power Source</b>            | 12V DC / 24V AC / PoE (IEEE 802.3at)  |  |   |   |   |          |
| <b>Max. Power Consumption</b>  | 22.48 W   | 25.5 W   |   | 30 W  |   |          |
| <b>Regulatory</b>              | CE, FCC, RCM, RoHS compliant  |  |   |   |   |          |
| <b>Dimensions</b>              | Ø176.5 x 118 mm (6.9" x 4.6")   |  |   |   |   |          |
| <b>Weight</b>                  | 1.83 kg (4.03 lb)   |  |   |   |   |          |
| <b>Ingress Protection</b>      | IP67  |  |   |   |   |          |
| <b>Vandal Resistance</b>       | IK10+   |  |   |   |   |          |

### Note:

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



## Fixed Dome Specifications (Part 1)




|                                  | GV-FD1500   | GV-FD2500  | GV-FD3400   | GV-FD5300   |
|----------------------------------|---|--|---|---|
|                                  |  |                         |  |  |
| <b>Camera</b>                    |   |  |   |   |
| <b>Image Sensor</b>              | 1/3" progressive scan super low lux CMOS  | 1/2.8" progressive scan super low lux CMOS   | 1/3.2" progressive scan CMOS  | 1/2.5" progressive scan CMOS  |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)   | 1920 (H) x 1080 (V)  | 2048 (H) x 1536 (V)   | 2560 (H) x 1536 (V)   |
| <b>Minimum Illumination</b>      | <b>Color</b>  | 0.01 Lux   | 0.02 Lux  | 0.08 Lux  |
|                                  | <b>B/W</b>  | 0.01 Lux   | 0.02 Lux  | 0.05 Lux  |
|                                  | <b>IR ON</b>  |  |   |   |
|                                  | 0 Lux   |  |   |   |
| <b>Shutter Speed</b>             | Auto, Manual (1/5 ~ 1/8000 sec)   |  |   |   |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)  |  |   |   |
| <b>Gain Control</b>              | Automatic   |  |   |   |
| <b>S/N Ratio</b>                 | 55 dB   | 52 dB  | 47 dB   | 45 dB   |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | N/A  | Yes   | N/A   |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 72 dB  | Up to 100 dB  | Up to 72 dB   |
| <b>Operation</b>                 |   |  |   |   |
| <b>Video Compression</b>         | H.264, MJPEG  |  |   |   |
| <b>Video Streaming</b>           | Dual streams  |  |   |   |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080  | 20 fps at 2048 x 1536   | 10 fps at 2560 x 1920   |
| <b>Audio Compression</b>         | G.711, AAC (optional)   |  |   |   |
| <b>Audio Support</b>             | Two-way Audio   |  |   |   |
| <b>Sensor Input</b>              | 1 Input (Dry Contact)   |  |   |   |
| <b>Alarm Output</b>              | 1 Digital output (200mA 5V DC)  |  |   |   |
| <b>Optical Lens</b>              |   |  |   |   |
| <b>Megapixel</b>                 | Yes   |  |   |   |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |  |   |   |
| <b>Lens Type</b>                 | Varifocal Lens  |  |   |   |
| <b>Focal Length</b>              | 3 ~ 9 mm  |  |   | 4.5 ~ 10 mm   |
| <b>Maximum Aperture</b>          | F/1.2   |  |   | F/1.6   |
| <b>Mount</b>                     | Ø14 mm  |  |   | CS Mount  |
| <b>Image Format</b>              | 1/2.7"  |  |   | 1/2.5"  |
| <b>Horizontal FOV</b>            | 90° ~ 32°   | 103° ~ 36°   | 86° ~ 31°   | 70° ~ 34°   |
| <b>Operation</b>                 | <b>Focus</b>  | Manual (w/lock)  |   |   |
|                                  | <b>Zoom</b>   | Manual (w/lock)  |   |   |
|                                  | <b>Iris</b>   | P-Iris   | P-Iris  | Manual (w/lock)   |
| <b>IR LED Quantity</b>           | 10 IR LEDs  |  |   |   |
| <b>Max. IR Distance</b>          | 30 m (98.4 ft)  |  | 25 m (82 ft)  |   |
| <b>Mechanical</b>                |   |  |   |   |
| <b>Camera</b>                    | <b>Pan</b>  | 0° ~ 350°  |   |   |
| <b>Angle</b>                     | <b>Tilt</b>   | 10° ~ 90°  |   |   |
| <b>Adjustment</b>                | <b>Rotate</b>   | 0° ~ 340°  |   |   |
| <b>3-axis Mechanism</b>          | Yes   |  |   |   |
| <b>Temperature Detector</b>      | Yes   |  |   |   |
| <b>Connectors</b>                | <b>Power</b>  | 2-pin terminal block, PoE  |   |   |
|                                  | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 connector  |   |   |
|                                  | <b>Audio</b>  | 1 In (microphone phone jack, 3.5mm / 0.14")<br>1 Out (Stereo phone jack, 3.5mm / 0.14")                  |   |   |
|                                  | <b>Digital I/O</b>  | 3-pin terminal block, pitch 2.5 mm   |   |   |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |   |
| <b>LED Indicator</b>             | BNC connector (640 x 480 resolution)  |  |   |   |
|                                  | 2 LEDs: Power, Status   |  |   |   |
| <b>General</b>                   |   |  |   |   |
| <b>Environment Temperature</b>   | 0 °C ~ 50 °C / 32 °F ~ 122 °F   |  |   |   |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |  |   |   |
| <b>Power Source</b>              | 12V DC / 24V AC / PoE (IEEE 802.3af)  |  |   |   |
| <b>Max. Power Consumption</b>    | 12W   |  |   |   |
| <b>Regulatory</b>                | CE, FCC, RCM, RoHS compliant  |  |   |   |
| <b>Dimension</b>                 | Ø 155 x 110 mm (6.1" x 4.33")   |  |   |   |
| <b>Weight</b>                    | 580 g (1.28 lb)   |  |   |   |
| <b>Vandal Resistance</b>         | IK7   |  |   |   |

Note:

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



## Fixed Dome Specifications (Part 2)







|                                  | GV-FD1510   | GV-FD2510  | GV-FD3410   |
|----------------------------------|---|--|---|
|                                  |  |                         |  |
| <b>Camera</b>                    |   |  |   |
| <b>Image Sensor</b>              | 1/3" progressive scan super low lux CMOS  | 1/2.8" progressive scan super low lux CMOS   | 1/3.2" progressive scan CMOS  |
| <b>Picture Elements</b>          | 1280 (H) x 1024 (V)   | 1920 (H) x 1080 (V)  | 2048 (H) x 1536 (V)   |
| <b>Minimum Illumination</b>      | <b>Color</b>  | 0.01 Lux   | 0.02 Lux  |
|                                  | <b>B/W</b>  | 0.01 Lux   | 0.02 Lux  |
|                                  | <b>IR ON</b>  |  | 0 Lux   |
| <b>Shutter Speed</b>             |   | Auto, Manual (1/5 ~ 1/8000 sec)  |   |
| <b>White Balance</b>             |   | Auto, Manual (2800K ~ 8500K)   |   |
| <b>Gain Control</b>              |   | Automatic  |   |
| <b>S/N Ratio</b>                 | 55 dB   | 52 dB  | 47 dB   |
| <b>WDR Pro (with WDR sensor)</b> | N/A   | N/A  | Yes   |
| <b>Dynamic Range</b>             | Up to 72 dB   | Up to 72 dB  | Up to 100 dB  |
| <b>Operation</b>                 |   |  |   |
| <b>Video Compression</b>         |   | H.264, MJPEG   |   |
| <b>Video Streaming</b>           |   | Dual streams   |   |
| <b>Frame Rate</b>                | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080  | 20 fps at 2048 x 1536   |
| <b>Audio Compression</b>         |   | G.711, AAC (optional)  |   |
| <b>Audio Support</b>             |   | Two-way Audio  |   |
| <b>Sensor Input</b>              |   | 1 Input (Dry Contact)  |   |
| <b>Alarm Output</b>              |   | 1 Digital output (200mA 5V DC)   |   |
| <b>Optical Lens</b>              |   |  |   |
| <b>Megapixel</b>                 |   | Yes  |   |
| <b>Day/Night</b>                 |   | Yes (with removable IR-cut filter)   |   |
| <b>Lens Type</b>                 |   | Motorized Varifocal Lens   |   |
| <b>Focal Length</b>              |   | 3 ~ 9 mm   |   |
| <b>Maximum Aperture</b>          |   | F/1.2  |   |
| <b>Mount</b>                     |   | Ø14 mm   |   |
| <b>Image Format</b>              |   | 1/2.7"   |   |
| <b>Horizontal FOV</b>            | 90° ~ 32°   | 103° ~ 36°   | 86° ~ 31°   |
| <b>Operation</b>                 | <b>Focus</b>  | Auto Focus   |   |
|                                  | <b>Zoom</b>   | 3X Optical Zoom  |   |
|                                  | <b>Iris</b>   | P-Iris   | P-Iris  |
| <b>IR LED Quantity</b>           |   | 10 IR LEDs   |   |
| <b>Max. IR Distance</b>          |   | 30 m (98.4 ft)   |   |
| <b>Mechanical</b>                |   |  |   |
| <b>Camera Angle Adjustment</b>   | <b>Pan</b>  | 0° ~ 350°  |   |
|                                  | <b>Tilt</b>   | 10° ~ 90°  |   |
|                                  | <b>Rotate</b>   | 0° ~ 340°  |   |
| <b>3-axis Mechanism</b>          |   | Yes  |   |
| <b>Temperature Detector</b>      |   | Yes  |   |
| <b>Connectors</b>                | <b>Power</b>  | 2-pin terminal block, PoE  |   |
|                                  | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 connector  |   |
|                                  | <b>Audio</b>  | 1 In (microphone phone jack, 3.5mm / 0.14")<br>1 Out (Stereo phone jack, 3.5mm / 0.14")                  |   |
|                                  | <b>Digital I/O</b>  | 3-pin terminal block, pitch 2.5 mm   |   |
|                                  | <b>Local Storage*</b>   | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |
| <b>TV-Out</b>                    |   | BNC connector (640 x 480 resolution)   |   |
| <b>LED Indicator</b>             |   | 2 LEDs: Power, Status  |   |
| <b>General</b>                   |   |  |   |
| <b>Environment Temperature</b>   |   | 0 °C ~ 50 °C / 32 °F ~ 122 °F  |   |
| <b>Humidity</b>                  |   | 10% to 90% (no condensation)   |   |
| <b>Power Source</b>              |   | 12V DC / 24V AC / PoE (IEEE 802.3af)   |   |
| <b>Max. Power Consumption</b>    |   | 12W  |   |
| <b>Regulatory</b>                |   | CE, FCC, RCM, RoHS compliant   |   |
| <b>Dimension</b>                 |   | Ø 155 x 110 mm (6.1" x 4.33")  |   |
| <b>Weight</b>                    |   | 580 g (1.28 lb)  |   |
| <b>Vandal Resistance</b>         |   | IK7  |   |

### Note:

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



## Cube Camera and Advanced Cube Camera Specifications






|  | Cube Camera   |  | Advanced Cube Camera  |  |   |   |
|--|---|--|---|--|---|---|
|  | GV-CB120  | GV-CB220   | GV-CA120  | GV-CA220   | GV-CAW120   | GV-CAW220   |
|  |  |                         |  |  |  |  |
| <b>Camera</b>                              |   |  |   |  |   |   |
| 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)  | 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  | N/A  | 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   |  |   |  |   |   |
| Dynamic Range                              | Up to 72 dB   |  |   |  |   |   |
| <b>Operation</b>                           |   |  |   |  |   |   |
| 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  | 30 fps at 1280 x 1024   | 30 fps at 1920 x 1080   |
| Audio Compression                          | G.711, AAC (optional)   |  |   |  |   |   |
| Audio Support                              | Two-way Audio   |  |   |  |   |   |
| <b>Optical Lens</b>                        |   |  |   |  |   |   |
| 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°  | 67°   | 77°   |
| Operation                                  | Focus   | Fixed  |   |  |   |   |
|  | Zoom  | Fixed  |   |  |   |   |
|  | Iris  | Fixed  |   |  |   |   |
| <b>Mechanical</b>                          |   |  |   |  |   |   |
| Connectors                                 | Power   | DC Jack  | 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                              | 2 LEDs: Status, LAN   |  | 4 LEDs: Status x 3, LAN/WiFi  |  |   |   |
| PIR Sensor                                 | N/A   |  | Built-in  |  |   |   |
| White Illumination LED                     | N/A   |  | Yes   |  |   |   |
| Max. PIR / White Illumination LED Distance | N/A   |  | 5 m (16.4 ft)   |  |   |   |
| <b>General</b>                             |   |  |   |  |   |   |
| Environment Temperature                    | 0 °C ~ 50 °C (32 °F ~ 122 °F)   |  |   |  |   |   |
| Humidity                                   | 10% to 90% (no condensation)  |  |   |  |   |   |
| Power Source                               | 5V DC   |  | 5V DC and PoE   |  | 5V DC   |   |
| Max. Power Consumption                     | 3.2 W   |  | 7 W   |  | 6 W   |   |
| Regulatory                                 | CE, FCC, RCM, RoHS compliant  |  |   |  |   |   |
| Dimensions (LxWxH)                         | 60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")   |  | 65.8 x 99.8 x 39 mm (2.59" x 3.92" x 1.54")                                       |  |   |   |
| Weight                                     | 80 g (0.18 lb)  |  | 100 g (0.2 lb)  |  |   |   |

**Note:**

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



## Mini Fixed Dome Specifications



|                                  |                       | GV-MFD1501 Series  |            | GV-MFD2401 Series   |            | GV-MFD2501 Series   |            | GV-MFD3401 Series   |            | GV-MFD5301 Series   |  |  |  |
|----------------------------------|-----------------------|--|------------|---|------------|---|------------|---|------------|---|--|--|--|
|                                  |                       |                         |            |  |            |  |            |  |            |  |  |  |  |
| <b>Camera</b>                    |                       |  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Image Sensor</b>              |                       | 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  |  |  |  |
| <b>Picture Elements</b>          |                       | 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)   |  |  |  |
| <b>Minimum Illumination</b>      | <b>Color</b>          | 0.01 Lux   |            | 0.08 Lux  |            | 0.02 Lux  |            | 0.08 Lux  |            | 0.15 Lux  |  |  |  |
|                                  | <b>B/W</b>            | 0.01 Lux   |            | 0.05 Lux  |            | 0.02 Lux  |            | 0.05 Lux  |            | 0.10 Lux  |  |  |  |
|                                  |                       |  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Shutter Speed</b>             |                       | N/A  |            |   |            |   |            |   |            |   |  |  |  |
| <b>White Balance</b>             |                       | Auto, Manual (1/5 ~ 1/8000 sec)  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Gain Control</b>              |                       | Automatic  |            |   |            |   |            |   |            |   |  |  |  |
| <b>S/N Ratio</b>                 |                       | 55 dB  |            |   |            | 52 dB   |            |   |            | 55 dB   |  |  |  |
| <b>WDR Pro (with WDR Sensor)</b> |                       | N/A  |            | Yes   |            | N/A   |            | Yes   |            | N/A   |  |  |  |
| <b>Dynamic Range</b>             |                       | Up to 72 dB  |            | Up to 100 dB  |            | Up to 72 dB   |            | Up to 100 dB  |            | Up to 72 dB   |  |  |  |
| <b>Operation</b>                 |                       |  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Video Compression</b>         |                       | H.264, MJPEG   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Video Streaming</b>           |                       | Dual streams   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Frame Rate</b>                |                       | 30 fps at 1280 x 1024  |            | 30 fps at 1920 x 1080   |            |   |            | 20 fps at 2048 x 1536   |            | 10 fps at 2560 x 1920   |  |  |  |
| <b>Audio Compression</b>         |                       | G.711, AAC (optional)  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Audio Support</b>             |                       | Two-way Audio  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Optical Lens</b>              |                       |  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Megapixel</b>                 |                       | Yes  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Day/Night</b>                 |                       | Yes (electronic)   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Lens Type</b>                 |                       | Fixed Lens   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Focal Length</b>              | 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 | 8 mm  | MFD2501-1F | 4 mm  | MFD3401-1F | 8 mm  | MFD5301-1F | 8 mm  |  |  |  |
|                                  | MFD1501-2F            | 8 mm   | MFD2401-2F | 12 mm   | MFD2501-2F | 8 mm  | MFD3401-2F | 12 mm   | MFD5301-2F | 12 mm   |  |  |  |
|                                  | MFD1501-3F            | 12 mm  | MFD2401-3F | 2.1 mm  | MFD2501-3F | 12 mm   | MFD3401-3F | 3.8 mm  | MFD5301-3F | 3.8 mm  |  |  |  |
|                                  | MFD1501-4F            | 2.1 mm   | MFD2401-4F | 2.1 mm  | MFD2501-4F | 12 mm   | MFD3401-4F | 3.8 mm  | MFD5301-4F | 3.8 mm  |  |  |  |
| <b>Maximum Aperture</b>          | MFD1501-5F            | 3.8 mm   | MFD2401-5F | 3.8 mm  | MFD2501-5F | 3.8 mm  | MFD3401-5F | 3.8 mm  | MFD5301-5F | 3.8 mm  |  |  |  |
|                                  | 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/1.6   | MFD2501-1F | F/1.5   | MFD3401-1F | F/1.6   | MFD5301-1F | F/1.6   |  |  |  |
|                                  | 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            | F/1.6  | MFD2401-3F | F/1.6   | MFD2501-3F | F/1.6   | MFD3401-3F | F/1.6   | MFD5301-3F | F/1.6   |  |  |  |
| <b>Mount</b>                     | MFD1501-4F            | F/1.8  | MFD2401-4F | F/1.8   | MFD2501-4F | F/1.6   | MFD3401-4F | F/1.8   | MFD5301-4F | F/1.8   |  |  |  |
|                                  | MFD1501-5F            | F/1.8  | MFD2401-5F | F/1.8   | MFD2501-5F | F/1.8   | MFD3401-5F | F/2.2   | MFD5301-5F | F/1.8   |  |  |  |
|                                  | MFD1501-6F            |  | MFD2401-6F |   | MFD2501-6F | F/2.2   | MFD3401-6F | F/2.2   | MFD5301-6F |   |  |  |  |
| <b>Image Format</b>              |                       | M12, Pitch 0.5 mm  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Image Format</b>              |                       | 1/3"   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Horizontal FOV</b>            | MFD1501-0F            | 87°  | MFD2401-0F | 79°   | MFD2501-0F | 99°   | MFD3401-0F | 80°   | MFD5301-0F | 103°  |  |  |  |
|                                  | MFD1501-1F            | 67°  | MFD2401-1F | 31°   | MFD2501-1F | 72°   | MFD3401-1F | 33°   | MFD5301-1F | 41°   |  |  |  |
|                                  | MFD1501-2F            | 35°  | MFD2401-2F | 20°   | MFD2501-2F | 38°   | MFD3401-2F | 21°   | MFD5301-2F | 26°   |  |  |  |
|                                  | MFD1501-3F            | 22°  | MFD2401-3F | 112°  | MFD2501-3F | 25°   | MFD3401-3F | 63°   | MFD5301-3F | 76°   |  |  |  |
|                                  | MFD1501-4F            | 124°   | MFD2401-4F | 60°   | MFD2501-4F | 72°   | MFD3401-4F | 105°  | MFD5301-4F | 76°   |  |  |  |
| <b>Operation</b>                 | <b>Focus</b>          | Fixed  |            |   |            |   |            |   |            |   |  |  |  |
|                                  | <b>Zoom</b>           | Fixed  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Mechanical</b>                |                       |  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Camera Angle Adjustment</b>   | <b>Pan</b>            | -45° ~ 45°   |            |   |            |   |            |   |            |   |  |  |  |
|                                  | <b>Tilt</b>           | 0° ~ 90°   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Temperature Detector</b>      |                       | Yes  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Connectors</b>                | <b>Power</b>          | PoE, 2-pin terminal block  |            |   |            |   |            |   |            |   |  |  |  |
|                                  | <b>Ethernet</b>       | Ethernet (10/100 Base-T), RJ-45 connector  |            |   |            |   |            |   |            |   |  |  |  |
|                                  | <b>Audio</b>          | 1 In (Built-in microphone), 1 Out (RCA female for speaker)   |            |   |            |   |            |   |            |   |  |  |  |
|                                  | <b>USB</b>            | GV-WiFi adapter or USB hard drive  |            |   |            |   |            |   |            |   |  |  |  |
|                                  | <b>Local Storage*</b> | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |            |   |            |   |            |   |            |   |  |  |  |
| <b>LED Indicator</b>             |                       | 4 LEDs: Link, ACT, Power, Status   |            |   |            |   |            |   |            |   |  |  |  |
| <b>General</b>                   |                       |  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Environment Temperature</b>   |                       | 0 °C ~ 50 °C (32 °F ~ 122 °F)  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Humidity</b>                  |                       | 10% to 90% (no condensation)   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Power Source</b>              |                       | DC 5V, PoE (IEEE 802.3af)  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Max. Power Consumption</b>    |                       | 6 W  |            |   |            |   |            |   |            |   |  |  |  |
| <b>Regulatory</b>                |                       | CE, FCC, RCM, RoHS compliant   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Dimensions</b>                |                       | ø106 x 53.9 mm (4.2" x 2.1")   |            |   |            |   |            |   |            |   |  |  |  |
| <b>Weight</b>                    |                       | 280 g (0.62 lb)  |            |   |            |   |            |   |            |   |  |  |  |

**Note:**

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



## Mini Fixed Dome Specifications

|                                  |                       | GV-MFD2700 Series  |  | GV-MFD4700 Series   |        |
|----------------------------------|-----------------------|--|--|---|--------|
|                                  |                       |                           |  |  |        |
| <b>Camera</b>                    |                       |  |  |   |        |
| <b>Image Sensor</b>              |                       | 1/2.8" progressive scan super low lux CMOS   |  | 1/3" progressive scan super low lux CMOS  |        |
| <b>Picture Elements</b>          |                       | 1920 (H) x 1080 (V)  |  | 2592 (H) x 1520 (V)   |        |
| <b>Minimum Illumination</b>      | <b>Color</b>          | 0.005 Lux  |  | 0.03 Lux  |        |
|                                  | <b>B/W</b>            | 0.004 Lux  |  | 0.02 Lux  |        |
|                                  | <b>IR ON</b>          | 0 Lux  |  |   |        |
| <b>Shutter Speed</b>             |                       | Auto, Manual (1/5 ~ 1/16000 sec)   |  |   |        |
| <b>White Balance</b>             |                       | Auto, Manual (2800K ~ 8500K)   |  |   |        |
| <b>Gain Control</b>              |                       | Automatic  |  |   |        |
| <b>S/N Ratio</b>                 |                       | 56 dB  |  | 50 dB   |        |
| <b>WDR Pro (with WDR sensor)</b> |                       | Yes  |  |   |        |
| <b>Dynamic Range</b>             |                       | Up to 130 dB   |  | Up to 120 dB  |        |
| <b>Operation</b>                 |                       |  |  |   |        |
| <b>Video Compression</b>         |                       | H.265, H.264, MJPEG  |  |   |        |
| <b>Video Streaming</b>           |                       | Stream 1 from H.265 or H.264<br>Stream 2 from H.265, H.264 or MJPEG<br>Stream 3 from H.265, H.264 or MJPEG |  |   |        |
| <b>Frame Rate</b>                |                       | 50 Hz: 25 fps at 1920 x 1080<br>60 Hz: 30 fps at 1920 x 1080   |  | 20 fps at 2592 x 1520<br>24 fps at 2560 x 1440<br>30 fps at 2048 x 1520             |        |
| <b>Audio Compression</b>         |                       | G.711, AAC (optional)  |  |   |        |
| <b>Audio Support</b>             |                       | Two-way audio  |  |   |        |
| <b>Sensor Input</b>              |                       | 1 input (dry contact)  |  |   |        |
| <b>Alarm Output</b>              |                       | 1 digital output (200 mA 5V DC)  |  |   |        |
| <b>Optical Lens</b>              |                       |  |  |   |        |
| <b>Megapixel</b>                 |                       | Yes  |  |   |        |
| <b>Day/Night</b>                 |                       | Yes (with removable IR-cut filter)   |  |   |        |
| <b>Lens Type</b>                 |                       | Fixed  |  |   |        |
| <b>Focal Length</b>              | MFD2700-0F            | 2.8 mm   |  | MFD4700-0F  | 2.8 mm |
|                                  | MFD2700-2F            | 3.8 mm   |  | MFD4700-2F  | 3.8 mm |
|                                  | MFD2700-6F            | 2.3 mm   |  | MFD4700-6F  | 2.3 mm |
| <b>Maximum Aperture</b>          | MFD2700-0F            | F/2.0  |  | MFD4700-0F  | F/2.0  |
|                                  | MFD2700-2F            | F/1.8  |  | MFD4700-2F  | F/1.8  |
|                                  | MFD2700-6F            | F/2.2  |  | MFD4700-6F  | F/2.2  |
| <b>Mount</b>                     |                       | M12, Pitch 0.5 mm  |  |   |        |
| <b>Image Format</b>              |                       | 1/2.7"   |  |   |        |
| <b>Horizontal FOV</b>            | MFD2700-0F            | 100°   |  | MFD4700-0F  | 96°    |
|                                  | MFD2700-2F            | 72°  |  | MFD4700-2F  | 72°    |
|                                  | MFD2700-6F            | 140°   |  | MFD4700-6F  | 129°   |
| <b>Operation</b>                 | <b>Focus</b>          | Fixed  |  |   |        |
|                                  | <b>Zoom</b>           | Fixed  |  |   |        |
|                                  | <b>Iris</b>           | Fixed  |  |   |        |
| <b>IR LED Quantity</b>           |                       | 4 IR LEDs  |  |   |        |
| <b>Max. IR Distance</b>          |                       | 20 m (65.6 ft)   |  |   |        |
| <b>Mechanical</b>                |                       |  |  |   |        |
| <b>Camera</b>                    | <b>Pan</b>            | -45° ~ 45°   |  |   |        |
| <b>Angle</b>                     | <b>Tilt</b>           | 0° ~ 70°   |  |   |        |
| <b>Adjustment</b>                | <b>Rotate</b>         | 0° ~ 360°  |  |   |        |
| <b>3-axis Mechanism</b>          |                       | Yes  |  |   |        |
| <b>Temperature Detector</b>      |                       | Yes  |  |   |        |
| <b>Connectors</b>                | <b>Power</b>          | 2-pin terminal block, PoE  |  |   |        |
|                                  | <b>Ethernet</b>       | Ethernet (10/100 Base-T), RJ-45 cable  |  |   |        |
|                                  | <b>Audio</b>          | 1 In (built-in or external microphone)<br>1 Out (stereo phone jack, 3.5 mm / 0.14")                        |  |   |        |
|                                  | <b>Digital I/O</b>    | I/O wires  |  |   |        |
|                                  | <b>Local Storage*</b> | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported.                   |  |   |        |
| <b>TV-Out</b>                    |                       | N/A  |  |   |        |
| <b>LED Indicator</b>             |                       | 2 LEDs: Power, Status  |  |   |        |
| <b>General</b>                   |                       |  |  |   |        |
| <b>Environment Temperature</b>   |                       | 0 °C ~ 50 °C / 32 °F ~ 122 °F  |  |   |        |
| <b>Humidity</b>                  |                       | 10% to 90% (no condensation)   |  |   |        |
| <b>Power Source</b>              |                       | 12V DC / PoE (IEEE 802.3af)  |  |   |        |
| <b>Max. Power Consumption</b>    |                       | 12V DC, 6.5W   |  | 12V DC, 7.5W  |        |
| <b>Regulatory</b>                |                       | CE, FCC, RCM, LVD, RoHS compliant  |  |   |        |
| <b>Dimension</b>                 |                       | 110 x 72.83 mm (4.33" x 2.86")   |  |   |        |
| <b>Weight</b>                    |                       | 200 g (0.44 lb)  |  |   |        |
| <b>Vandal Resistance</b>         |                       | N/A  |  |   |        |







### Note:

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- Memory card slot (local storage) is not supported in Argentina.
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## Mini Fixed Rugged Dome Specifications





|                           | GV-MDR220   | GV-MDR320  | GV-MDR520   | GV-MDR1500 Series  | GV-MDR3400 Series   | GV-MDR5300 Series   |        |            |        |
|---------------------------|---|--|---|--|---|---|--------|------------|--------|
|                           |  |                         |  |                                  |  |  |        |            |        |
| <b>Camera</b>             |   |  |   |  |   |   |        |            |        |
| Image Sensor              | 1/2.5" progressive scan CMOS  |  |   | 1/3" progressive scan super low lux CMOS   | 1/3.2" progressive scan CMOS  |   |        |            |        |
| Picture Elements          | 1920 (H) x 1080 (V)   | 2048 (H) x 1536 (V)  | 2560 (H) x 1920 (V)   | 1280 (H) x 1024 (V)  | 2048 (H) x 1536 (V)   |   |        |            |        |
| Minimum Illumination      | Color   |  | 0.15 Lux  | 0.01 Lux   | 0.08 Lux  |   |        |            |        |
|                           | B/W   |  | 0.10 Lux  | 0.01 Lux   | 0.05 Lux  |   |        |            |        |
| Shutter Speed             | Auto, Manual (1/5 ~ 1/8000 sec)   |  |   |  |   |   |        |            |        |
| White Balance             | Auto, Manual (2800K ~ 8500K)  |  |   |  |   |   |        |            |        |
| Gain Control              | Automatic   |  |   |  |   |   |        |            |        |
| S/N Ratio                 | 45 dB   |  |   | 55 dB  | 47 dB   | 45 dB   |        |            |        |
| WDR Pro (with WDR sensor) | N/A   |  |   | N/A  | Yes   | N/A   |        |            |        |
| Dynamic Range             | Up to 72 dB   |  |   | Up to 72 dB  | Up to 100 dB  | Up to 72 dB   |        |            |        |
| <b>Operation</b>          |   |  |   |  |   |   |        |            |        |
| 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   | 30 fps at 1280 x 1024  | 20 fps at 2048 x 1536   | 10 fps at 2560 x 1920   |        |            |        |
| Audio Compression         | G.711, AAC (optional)   |  |   |  |   |   |        |            |        |
| Audio Support             | One-way Audio   |  |   |  |   |   |        |            |        |
| <b>Optical Lens</b>       |   |  |   |  |   |   |        |            |        |
| Megapixel                 | Yes   |  |   |  |   |   |        |            |        |
| Day/Night                 | Yes (electronic)  |  |   |  |   |   |        |            |        |
| Lens Type                 | Fixed Lens  |  |   |  |   |   |        |            |        |
| Focal Length              | 2.54 mm   |  |   | MDR1500-1F   | 2.8 mm  | MDR3400-1F  | 2.8 mm | MDR5300-1F | 2.8 mm |
|                           |   |  |   | MDR1500-2F   | 3.8 mm  | MDR3400-2F  | 3.8 mm | MDR5300-2F | 3.8 mm |
|                           |   |  |   | MDR1500-1F   | F/2.0   | MDR3400-1F  | F/2.0  | MDR5300-1F | F/2.0  |
| Maximum Aperture          | F/2.8   |  |   | MDR1500-2F   | F/1.8   | MDR3400-2F  | F/1.8  | MDR5300-2F | F/1.8  |
|                           |   |  |   |  |   |   |        |            |        |
| Mount                     | M12, Pitch 0.5 mm   |  |   |  |   |   |        |            |        |
| Image Format              | 1/2.5"  |  |   |  |   |   |        |            |        |
| Horizontal FOV            | 101°  | 110°   | 138°  | MDR1500-1F   | 88°   | MDR3400-1F  | 85°    | MDR5300-1F | 104°   |
|                           |   |  |   | MDR1500-2F   | 64°   | MDR3400-2F  | 63°    | MDR5300-2F | 76°    |
| Operation                 | Focus   |  |   |  |   |   |        |            |        |
|                           | Zoom  | Fixed  |   |  |   |   |        |            |        |
|                           | Iris  |  |   |  |   |   |        |            |        |
| <b>Mechanical</b>         |   |  |   |  |   |   |        |            |        |
| 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   |  |   |  |   |   |        |            |        |
| <b>General</b>            |   |  |   |  |   |   |        |            |        |
| Environment Temperature   | -30 °C ~ 50 °C (-22 °F ~ 122 °F)  |  |   |  |   |   |        |            |        |
| Humidity                  | 10% to 90% (no condensation)  |  |   |  |   |   |        |            |        |
| Power Source              | PoE   |  |   |  |   |   |        |            |        |
| Max. Power Consumption    | 3.4 W   |  | 3.6 W   | 3.47 W   |   | 4.28 W  | 3.81 W |            |        |
| Regulatory                | CE, FCC, RCM, 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  | Max. ø 30 mm (1.18")   |   | 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:

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## Target Series Specifications (Part 1)





|                                |                  | GV-EBX1100 Series   |               | GV-EBX2100 Series   |               | GV-EBL1100 Series  |               | GV-EBL2100 Series   |  |
|--------------------------------|------------------|---|---------------|---|---------------|--|---------------|---|--|
|                                |                  |  |               |  |               |  |               |  |  |
| <b>Camera</b>                  |                  |   |               |   |               |  |               |   |  |
| <b>Image Sensor</b>            |                  | 1/3" progressive scan low lux CMOS  |               | 1/2.8" progressive scan low lux CMOS  |               | 1/3" progressive scan low lux CMOS   |               | 1/2.8" progressive scan low lux CMOS  |  |
| <b>Picture Elements</b>        |                  | 1280 (H) x 1024 (V)   |               | 1920 (H) x 1080 (V)   |               | 1280 (H) x 1024 (V)  |               | 1920 (H) x 1080 (V)   |  |
| <b>Minimum Illumination</b>    | <b>Color</b>     | 0.05 Lux  |               | 0.07 Lux  |               | 0.05 Lux   |               | 0.07 Lux  |  |
|                                | <b>B/W</b>       | 0.03 Lux  |               | 0.04 Lux  |               | 0.03 Lux   |               | 0.04 Lux  |  |
|                                | <b>IR ON</b>     | 0 Lux   |               |   |               |  |               |   |  |
| <b>Shutter Speed</b>           |                  | Auto, Manual (1/5 ~ 1/8000 sec)   |               |   |               |  |               |   |  |
| <b>White Balance</b>           |                  | Auto, Manual (2800K ~ 8500K)  |               |   |               |  |               |   |  |
| <b>Gain Control</b>            |                  | Automatic   |               |   |               |  |               |   |  |
| <b>S/N Ratio</b>               |                  | 50 dB   |               | 48 dB   |               | 50 dB  |               | 48 dB   |  |
| <b>Dynamic Range</b>           |                  | Up to 72 dB   |               |   |               |  |               |   |  |
| <b>Operation</b>               |                  |   |               |   |               |  |               |   |  |
| <b>Video Compression</b>       |                  | H.264, MJPEG  |               |   |               |  |               |   |  |
| <b>Video Streaming</b>         |                  | Dual streams  |               |   |               |  |               |   |  |
| <b>Frame Rate</b>              |                  | 30 fps at 1280 x 1024   |               | 25 fps at 1920 x 1080   |               | 30 fps at 1920 x 1080  |               |   |  |
| <b>Audio Compression</b>       |                  | G.711, AAC (optional)   |               |   |               | N/A  |               |   |  |
| <b>Audio Support</b>           |                  | One-way Audio   |               |   |               | N/A  |               |   |  |
| <b>Optical Lens</b>            |                  |   |               |   |               |  |               |   |  |
| <b>Megapixel</b>               |                  | Yes   |               |   |               |  |               |   |  |
| <b>Day/Night</b>               |                  | Yes (with removable IR-cut filter)  |               |   |               |  |               |   |  |
| <b>Lens Type</b>               |                  | Fixed   |               |   |               |  |               |   |  |
| <b>Focal Length</b>            | GV-EBX1100-0F    | 2.8 mm  | GV-EBX2100-0F | 2.8 mm  | GV-EBL1100-1F | 6 mm   | GV-EBL2100-1F | 6 mm  |  |
|                                | GV-EBX1100-2F    | 3.8 mm  | GV-EBX2100-2F | 3.8 mm  | GV-EBL1100-2F | 3.8 mm   | GV-EBL2100-2F | 3.8 mm  |  |
| <b>Maximum Aperture</b>        | GV-EBX1100-0F    | F/2.0   | GV-EBX2100-0F | F/2.0   | GV-EBL1100-1F | F/1.8  | GV-EBL2100-1F | F/1.8   |  |
|                                | GV-EBX1100-2F    | F/1.8   | GV-EBX2100-2F | F/1.8   | GV-EBL1100-2F | F/1.8  | GV-EBL2100-2F | F/1.8   |  |
| <b>Mount</b>                   |                  | M12, Pitch 0.5 mm   |               |   |               |  |               |   |  |
| <b>Image Format</b>            |                  | 1/2.7"  |               |   |               |  |               |   |  |
| <b>Horizontal FOV</b>          | GV-EBX1100-0F    | 93°   | GV-EBX2100-0F | 99°   | GV-EBL1100-1F | 44°  | GV-EBL2100-1F | 51°   |  |
|                                | GV-EBX1100-2F    | 64°   | GV-EBX2100-2F | 72°   | GV-EBL1100-2F | 64°  | GV-EBL2100-2F | 72°   |  |
| <b>Operation</b>               | <b>Focus</b>     | Fixed   |               |   |               |  |               |   |  |
|                                | <b>Zoom</b>      | Fixed   |               |   |               |  |               |   |  |
|                                | <b>Iris</b>      | Fixed   |               |   |               |  |               |   |  |
| <b>IR LED Quantity</b>         |                  | 8 IR LEDs   |               |   |               | 24 IR LEDs   |               |   |  |
| <b>Max. IR Distance</b>        |                  | 15 m (50 ft)  |               |   |               | 30 m (98.4 ft)   |               |   |  |
| <b>Mechanical</b>              |                  |   |               |   |               |  |               |   |  |
| <b>Connectors</b>              | <b>Power</b>     | 2-pin terminal block, PoE   |               |   |               |  |               |   |  |
|                                | <b>Ethernet</b>  | Ethernet (10/100 Base-T), RJ-45 cable   |               |   |               |  |               |   |  |
|                                | <b>Audio</b>     | 1 In (built-in microphone)  |               |   |               | N/A  |               |   |  |
| <b>LED Indicator</b>           |                  | 2 LEDs: Power, Status   |               |   |               | 4 LEDs: Link, ACT, Power, Status * Inside camera, not visible from outside         |               |   |  |
| <b>General</b>                 |                  |   |               |   |               |  |               |   |  |
| <b>Environment Temperature</b> | <b>Startup</b>   | 0°C ~ 50°C (32°F ~ 122°F)   |               |   |               | -20°C ~ 50°C (-4°F ~ 122°F)  |               |   |  |
|                                | <b>Operation</b> |   |               |   |               | -30°C ~ 50°C (-22°F ~ 122°F)   |               |   |  |
| <b>Humidity</b>                |                  | 10% to 90% (no condensation)  |               |   |               |  |               |   |  |
| <b>Power Source</b>            |                  | 12V DC / PoE (IEEE 802.3af)   |               |   |               |  |               |   |  |
| <b>Max. Power Consumption</b>  |                  | 5.36 W  |               |   |               | 7.8 W  |               |   |  |
| <b>Regulatory</b>              |                  | CE, FCC, RCM, RoHS compliant  |               |   |               |  |               |   |  |
| <b>Dimensions (L X W X H)</b>  |                  | 95 x 45 x 40 mm (3.7" x 1.8" x 1.6")  |               |   |               | 115 x 76 x 73 mm (4.5" x 3.0" x 2.9")  |               |   |  |
| <b>Weight</b>                  |                  | 120 g (0.26 lb)   |               |   |               | 547 g (1.20 lb)  |               |   |  |
| <b>Ingress Protection</b>      |                  | N/A   |               |   |               | IP67   |               |   |  |
| <b>Vandal Resistance</b>       |                  | N/A   |               |   |               | IK10 for metal casing  |               |   |  |

**Note:**

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



## Target Series Specifications (Part 2)



|                                |                      | GV-EBL2101  | GV-EBL2111  | GV-EBL3101   | GV-EBL5101  |
|--------------------------------|----------------------|---|---|--|---|
|                                |                      |  |  |  |  |
| <b>Camera</b>                  |                      |   |   |  |   |
| <b>Image Sensor</b>            |                      | 1/2.8" progressive scan super low lux CMOS  |   |  | 1/3.2" progressive scan low lux CMOS  |
| <b>Picture Elements</b>        |                      | 1920 (H) x 1080 (V)   |   | 2048 (H) x 1536 (V)  | 2592 (H) x 1944 (V)   |
| <b>Minimum Illumination</b>    | <b>Color</b>         | 0.005 Lux   |   | 0.01 Lux   | 0.12 Lux  |
|                                | <b>B/W</b>           | 0.004 Lux   |   | 0.01 Lux   | 0.10 Lux  |
|                                | <b>IR ON</b>         | 0 Lux   |   |  |   |
| <b>Shutter Speed</b>           |                      | Auto, Manual (1/30 ~ 1/16000 sec)   |   |  | Automatic, manual (1/5 ~ 1/8000 sec)  |
| <b>White Balance</b>           |                      | Auto, Manual (2800K ~ 8500K)  |   |  |   |
| <b>Gain Control</b>            |                      | Automatic   |   |  |   |
| <b>S/N Ratio</b>               |                      | 56 dB   |   | 54 dB  | 46 dB   |
| <b>WDR</b>                     |                      | Yes   |   | WDR Pro  | Yes   |
| <b>Dynamic Range</b>           |                      | Up to 72 dB   |   | Up to 120 dB   | Up to 72 dB   |
| <b>Operation</b>               |                      |   |   |  |   |
| <b>Video Compression</b>       |                      | H.264, MJPEG  |   |  |   |
| <b>Video Streaming</b>         |                      | Dual streams  |   |  |   |
| <b>Frame Rate</b>              |                      | 30 fps at 1920 x 1080   |   | 30 fps at 2048 x 1536  | 30 fps at 2592 x 1944 (60/50 Hz)  |
| <b>Audio Support</b>           |                      | N/A   |   |  |   |
| <b>Optical Lens</b>            |                      |   |   |  |   |
| <b>Megapixel</b>               |                      | Yes   |   |  |   |
| <b>Day/Night</b>               |                      | Yes (with removable IR-cut filter)  |   |  |   |
| <b>Lens Type</b>               |                      | Varifocal   | Motorized varifocal   |  | Varifocal   |
| <b>Focal Length</b>            |                      | 3 ~ 9 mm  |   | 2.8 ~ 12 mm  |   |
| <b>Maximum Aperture</b>        |                      | F/1.7   |   |  |   |
| <b>Mount</b>                   |                      | Ø14 mm  |   |  |   |
| <b>Image Format</b>            |                      | 1/2.7"  |   |  |   |
| <b>Horizontal FOV</b>          |                      | 102° ~ 40°  |   | 96° ~ 36°  | 90° ~ 48°   |
| <b>Operation</b>               | <b>Focus</b>         | Manual (w/lock)   | Auto Focus  |  | Manual (w/lock)   |
|                                | <b>Zoom</b>          | Manual (w/lock)   | 4.3x Optical Zoom   |  | Manual (w/lock)   |
|                                | <b>Iris</b>          | P-Iris  |   |  |   |
| <b>IR LED Quantity</b>         |                      | 24 IR LEDs  |   |  |   |
| <b>Max. IR Distance</b>        |                      | 75 m (246.06 ft)  |   | 60 m (196.85 ft)   | 30 m (98.42 ft)   |
| <b>Mechanical</b>              |                      |   |   |  |   |
| <b>Camera Angle Adjustment</b> | <b>Pan</b>           | 0° ~ 360°   |   |  |   |
|                                | <b>Tilt</b>          | 90° ~ 180°  |   |  |   |
| <b>Connectors</b>              | <b>Power</b>         | 2-pin terminal block, PoE   |   |  |   |
|                                | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 cable   |   |  |   |
|                                | <b>Audio</b>         | N/A   |   |  |   |
|                                | <b>Local Storage</b> | N/A   |   |  |   |
| <b>LED Indicator</b>           |                      | 4 LEDs: Link, ACT, Power, Status  |   |  | 2 LEDs: Power, Status   |
| <b>General</b>                 |                      |   |   |  |   |
| <b>Environment Temperature</b> | <b>Startup</b>       | -20°C ~ 50°C (-4°F ~ 122°F)   |   | -20°C ~ 50°C (-4°F ~ 122°F)  |   |
|                                | <b>Operation</b>     | -30°C ~ 50°C (-22°F ~ 122°F)  |   | -20°C ~ 60°C (-4°F ~ 140°F)  |   |
| <b>Humidity</b>                |                      | 10% to 90% (no condensation)  |   |  |   |
| <b>Power Source</b>            |                      | 12V DC / PoE (IEEE 802.3af)   |   |  |   |
| <b>Max. Power Consumption</b>  |                      | 7.1 W   | 12.3 W  | 8.2 W  | 9.5 W   |
| <b>Regulatory</b>              |                      | CE, FCC, RCM, RoHS compliant  |   |  | CE, FCC, RCM, LVD, RoHS compliant   |
| <b>Dimensions (L X W X H)</b>  |                      | 142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")                                 |   |  |   |
| <b>Weight</b>                  |                      | 810 g (1.79 lb)   |   |  |   |
| <b>Ingress Protection</b>      |                      | IP67  |   |  |   |
| <b>Vandal Resistance</b>       |                      | IK10 for metal casing   |   |  |   |

**Note:**

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



### Target Series Specifications (Part 3)



|                                |                            | GV-EBL4702 Series  |        | GV-EBL2702 Series   |               | GV-EBL4711   |     |  |
|--------------------------------|----------------------------|--|--------|---|---------------|--|-----|--|
|                                |                            |         |        |        |               |  |     |  |
| <b>Camera</b>                  |                            |  |        |   |               |  |     |  |
| <b>Image Sensor</b>            |                            | 1/3" progressive scan super low lux CMOS   |        | 1/2.8" progressive scan super low lux CMOS  |               | 1/3" progressive scan super low lux CMOS   |     |  |
| <b>Picture Elements</b>        |                            | 2592 (H) x 1520 (V)  |        | 1920 (H) x 1080 (V)   |               | 2592 (H) x 1520 (V)  |     |  |
| <b>Minimum Illumination</b>    | <b>Color</b>               | 0.03 Lux   |        | 0.005 Lux   |               | 0.03 Lux   |     |  |
|                                | <b>B/W</b>                 | 0.02 Lux   |        | 0.004 Lux   |               | 0.02 Lux   |     |  |
| <b>Shutter Speed</b>           |                            | Automatic, manual (1/5 ~ 1/16000 sec)  |        |   |               |  |     |  |
| <b>White Balance</b>           |                            | Auto, Manual (2800K ~ 8500K)   |        |   |               |  |     |  |
| <b>Gain Control</b>            |                            | Automatic  |        |   |               |  |     |  |
| <b>S/N Ratio</b>               |                            | 50 dB  |        | 56 dB   |               | 50 dB  |     |  |
| <b>WDR</b>                     |                            | WDR Pro  |        |   |               |  |     |  |
| <b>Dynamic Range</b>           |                            | Up to 120 dB   |        | Up to 130 dB  |               | Up to 120 dB   |     |  |
| <b>Operation</b>               |                            |  |        |   |               |  |     |  |
| <b>Video Compression</b>       |                            | H.265, H.264, MJPEG  |        |   |               |  |     |  |
| <b>Video Streaming</b>         |                            | Triple streams   |        | Dual streams  |               | Triple streams   |     |  |
| <b>Frame Rate</b>              |                            | 30 fps at 2048 x 1520  |        | 30 fps at 1920 x 1080   |               | 30 fps at 2048 x 1520  |     |  |
| <b>Audio Support</b>           |                            | N/A  |        |   |               |  |     |  |
| <b>Optical Lens</b>            |                            |  |        |   |               |  |     |  |
| <b>Megapixel</b>               |                            | Yes  |        |   |               |  |     |  |
| <b>Day/Night</b>               |                            | Yes (with removable IR-cut filter)   |        |   |               |  |     |  |
| <b>Lens Type</b>               |                            | Fixed  |        |   |               | Motorized varifocal  |     |  |
| <b>Focal Length</b>            | GV-EBL4702-1F / EBL2702-1F |  | 6 mm   |   | 2.7 ~ 12 mm   |  |     |  |
|                                | GV-EBL4702-2F / EBL2702-2F |  | 3.8 mm |   |               |  |     |  |
|                                | GV-EBL4702-3F / EBL2702-3F |  | 2.8 mm |   |               |  |     |  |
| <b>Maximum Aperture</b>        | GV-EBL4702-1F / EBL2702-1F |  | F/2.0  |   | F/1.6         |  |     |  |
|                                | GV-EBL4702-2F / EBL2702-2F |  | F/1.8  |   |               |  |     |  |
|                                | GV-EBL4702-3F / EBL2702-3F |  | F/2.0  |   |               |  |     |  |
| <b>Mount</b>                   |                            | Ø12 mm   |        | M12, Pitch 0.5 mm   |               | Ø14 mm   |     |  |
| <b>Image Format</b>            |                            | 1/2.7"   |        |   |               |  |     |  |
| <b>Horizontal FOV</b>          | GV-EBL4702-1F              |  | 51°    |   | GV-EBL2702-1F |  | 52° |  |
|                                | GV-EBL4702-2F              |  | 72°    |   | GV-EBL2702-2F |  | 73° |  |
|                                | GV-EBL4702-3F              |  | 100°   |   | GV-EBL2702-3F |  | 96° |  |
| <b>Operation</b>               | <b>Focus</b>               | Fixed  |        |   |               | Auto   |     |  |
|                                | <b>Zoom</b>                |  |        |   |               | 4.4x optical zoom  |     |  |
|                                | <b>Iris</b>                |  |        |   |               | P-Iris   |     |  |
| <b>IR LED Quantity</b>         |                            | 6 IR LEDs  |        |   |               |  |     |  |
| <b>Max. IR Distance</b>        |                            | 30 m (98.4 ft)   |        | 60 m (197 ft)   |               | 30 m (98.42 ft)  |     |  |
| <b>Mechanical</b>              |                            |  |        |   |               |  |     |  |
| <b>Camera Angle Adjustment</b> | <b>Pan</b>                 | 0° ~ 360°  |        |   |               |  |     |  |
|                                | <b>Tilt</b>                | 90° ~ 180°   |        |   |               |  |     |  |
| <b>Connectors</b>              | <b>Power</b>               | 2-pin terminal block, PoE  |        |   |               |  |     |  |
|                                | <b>Ethernet</b>            | Ethernet (10/100 Base-T), RJ-45 cable  |        |   |               |  |     |  |
|                                | <b>Audio</b>               | N/A  |        |   |               |  |     |  |
|                                | <b>Local Storage</b>       | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |        | Micro SD card slot (SD/SDHC/UHS-I, Class 10)<br>*UHS-II /SDXC card type is not supported. |               | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |     |  |
| <b>LED Indicator</b>           |                            | 2 LEDs: Power, Status  |        |   |               |  |     |  |
| <b>General</b>                 |                            |  |        |   |               |  |     |  |
| <b>Environment Temperature</b> | <b>Startup</b>             | -20°C ~ 50°C (-4°F ~ 122°F)  |        | -20 °C ~ 60 °C (-4 °F ~ 140 °F)   |               | -20°C ~ 50°C (-4°F ~ 122°F)  |     |  |
|                                | <b>Operation</b>           | -30°C ~ 50°C (-22°F ~ 122°F)   |        | -30 °C ~ 60 °C (-22 °F ~ 140 °F)  |               |  |     |  |
| <b>Humidity</b>                |                            | 10% to 90% (no condensation)   |        |   |               |  |     |  |
| <b>Power Source</b>            |                            | 12V DC / PoE (IEEE 802.3af)  |        |   |               |  |     |  |
| <b>Max. Power Consumption</b>  |                            | 9.12 W   |        | 9.10 W  |               | 13.12 W  |     |  |
| <b>Regulatory</b>              |                            | CE, FCC, RCM, LVD, RoHS compliant  |        |   |               |  |     |  |
| <b>Dimensions (L X W X H)</b>  |                            | 129.54 x 80 x 102.75 mm (5.1" x 3.15" x 4.05")   |        |   |               | 144.14 x 77.72 x 102.75 mm (5.67" x 3.06" x 4.05")                                       |     |  |
| <b>Weight</b>                  |                            | 825 g (1.81 lb)  |        | 809 g (1.78 lb)   |               | 880 g (1.94 lb)  |     |  |
| <b>Ingress Protection</b>      |                            | IP67   |        |   |               |  |     |  |
| <b>Vandal Resistance</b>       |                            | IK10 for metal casing  |        |   |               |  |     |  |

**Note:**

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



## Target Series Specifications (Part 4)




|                                |                      | GV-ABL2701 Series   |  | GV-ABL4701 Series   |  | GV-ABL2702  |  | GV-ABL4712  |  | GV-ABL8712   |  |
|--------------------------------|----------------------|---|--|---|--|---|--|---|--|--|--|
|                                |                      |  |  |   |  |  |  |   |  |  |  |
| <b>Camera</b>                  |                      |   |  |   |  |   |  |   |  |  |  |
| <b>Image Sensor</b>            |                      | 1/2.7" progressive scan low lux CMOS  |  | 1/3" progressive scan low lux CMOS                                      |  | 1/2.9" progressive scan low lux CMOS  |  | 1/3" progressive scan low lux CMOS  |  | 1/2" progressive scan super low lux CMOS   |  |
| <b>Picture Elements</b>        |                      | 1920 (H) x 1080 (V)   |  | 2592 (H) x 1520 (V)   |  | 1920 (H) x 1080 (V)   |  | 2592 (H) x 1520 (V)   |  | 3840 (H) x 2160 (V)  |  |
| <b>Minimum Illumination</b>    | <b>Color</b>         | 0.02 Lux  |  |   |  | 0.002 Lux   |  | 0.01 Lux  |  | 0.003 Lux  |  |
|                                | <b>B/W</b>           |   |  |   |  | N/A   |  |   |  |  |  |
|                                | <b>IR ON</b>         |   |  |   |  | 0 Lux   |  |   |  |  |  |
| <b>Shutter Speed</b>           |                      | Auto / Manual (1/6 ~ 1/100000 sec)  |  |   |  |   |  |   |  |  |  |
| <b>White Balance</b>           |                      | Auto / Manual   |  |   |  |   |  |   |  |  |  |
| <b>Gain Control</b>            |                      | Auto / Manual   |  |   |  |   |  |   |  |  |  |
| <b>S/N Ratio</b>               |                      | 52 dB   |  |   |  |   |  |   |  |  |  |
| <b>WDR</b>                     |                      | Yes   |  |   |  |   |  | WDR Pro   |  |  |  |
| <b>Dynamic Range</b>           |                      | Up to 72 dB   |  |   |  |   |  | Up to 120 dB  |  |  |  |
| <b>Operation</b>               |                      |   |  |   |  |   |  |   |  |  |  |
| <b>Video Compression</b>       |                      | H.265, H.264, MJPEG   |  |   |  |   |  |   |  |  |  |
| <b>Video Streaming</b>         |                      | Triple streams  |  |   |  |   |  |   |  |  |  |
| <b>Frame Rate</b>              |                      | 25 fps at 1920 x 1080   |  | 20 fps at 2592 x 1520<br>25 fps at 2560 x 1440<br>30 fps at 2048 x 1520 |  | 30 fps at 1920 x 1080   |  | 20 fps at 2592 x 1520<br>25 fps at 2560 x 1440<br>30 fps at 2048 x 1520                     |  | 15 fps at 3840 x 2160<br>30 fps at 2944 x 1656 /<br>2592 x 1944 /<br>2560 x 1440 |  |
| <b>Audio Support</b>           |                      | N/A   |  |   |  |   |  | Two-way Audio   |  |  |  |
| <b>Optical Lens</b>            |                      |   |  |   |  |   |  |   |  |  |  |
| <b>Megapixel</b>               |                      | Yes   |  |   |  |   |  |   |  |  |  |
| <b>Day/Night</b>               |                      | Yes (with removable IR-cut filter)  |  |   |  |   |  |   |  |  |  |
| <b>Lens Type</b>               |                      | Fixed   |  |   |  | Varifocal   |  | Motorized varifocal   |  |  |  |
| <b>Focal Length</b>            |                      | 4 mm / 6 mm   |  | 4 mm / 6 mm   |  | 4 mm / 6 mm   |  | 4 mm / 6 mm   |  | 2.8~12 mm  |  |
| <b>Maximum Aperture</b>        |                      | 4 mm / 6 mm   |  | F/1.8   |  | 4 mm / 6 mm   |  | F/1.8   |  | F/1.4  |  |
| <b>Mount</b>                   |                      | M12   |  |   |  |   |  |   |  |  |  |
| <b>Image Format</b>            |                      | 4 mm / 6 mm   |  | 1/2.7"  |  | 4 mm / 6 mm   |  | 1/3"  |  | 1/2"   |  |
| <b>Horizontal FOV</b>          |                      | 4 mm  |  | 90°   |  | 4 mm  |  | 78°   |  | 114.8 ° ~ 47.3°  |  |
|                                |                      | 6 mm  |  | 55°   |  | 6 mm  |  | 49°   |  |  |  |
| <b>Operation</b>               | <b>Focus</b>         | Fixed   |  |   |  | Manual (with lock)  |  | Auto / Manual   |  |  |  |
|                                | <b>Zoom</b>          | Fixed   |  |   |  | Manual (with lock)  |  | 4.3x optical zoom   |  |  |  |
|                                | <b>Iris</b>          |   |  |   |  |   |  | Fixed   |  |  |  |
| <b>IR LED Quantity</b>         |                      | 1 IR LED  |  |   |  | 3 IR LEDs   |  | 2 IR LEDs   |  | 3 IR LEDs  |  |
| <b>Max. IR Distance</b>        |                      | 30 m (98.42 ft)   |  |   |  | 50 m (164 ft)   |  | 30 m (98.42 ft)   |  | 50 m (164 ft)  |  |
| <b>Mechanical</b>              |                      |   |  |   |  |   |  |   |  |  |  |
| <b>Camera Angle Adjustment</b> | <b>Pan</b>           | 0°~360°   |  | 0°~360°   |  | 0°~360°   |  | 0°~360°   |  | 0°~360°  |  |
|                                | <b>Tilt</b>          | 0°~90°  |  | 0°~90°  |  | 0°~120°   |  | 0°~120°   |  | 0°~120°  |  |
|                                | <b>Rotate</b>        | 0°~360°   |  | 0°~360°   |  | 0°~360°   |  | 0°~360°   |  | 0°~360°  |  |
| <b>Connectors</b>              | <b>Power</b>         | DC Jack, PoE  |  |   |  |   |  |   |  |  |  |
|                                | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 cable   |  |   |  |   |  |   |  |  |  |
|                                | <b>Audio</b>         | N/A   |  |   |  |   |  | 1 in (Audio In Wire)<br>1 out (Audio Out Wire)  |  |  |  |
|                                | <b>Digital I/O</b>   | N/A   |  |   |  |   |  | 4-pin terminal block pitch 3.5 mm (0.14")   |  |  |  |
|                                | <b>Local Storage</b> | N/A   |  |   |  |   |  | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>* UHS-II card types are not supported. |  |  |  |
|                                | <b>TV Out</b>        |   |  |   |  | N/A   |  |   |  | BNC Connector  |  |
| <b>General</b>                 |                      |   |  |   |  |   |  |   |  |  |  |
| <b>Environment Temperature</b> | <b>Startup</b>       | -30°C ~ 60°C (-22°F ~ 140°F)  |  |   |  |   |  | -35°C ~ 60°C (-22°F ~ 140°F)  |  |  |  |
|                                | <b>Operation</b>     |   |  |   |  |   |  |   |  |  |  |
| <b>Humidity</b>                |                      |   |  |   |  |   |  | 0% ~ 95% (no condensation)  |  |  |  |
| <b>Power Source</b>            |                      |   |  |   |  |   |  | 12V DC / PoE (IEEE 802.3af)   |  |  |  |
| <b>Max. Power Consumption</b>  |                      | 5 W   |  | 5.5 W   |  | 9 W   |  |   |  | 10 W   |  |
| <b>Regulatory</b>              |                      | FCC, UL, CE, RoHS compliant   |  |   |  |   |  |   |  |  |  |
| <b>Dimensions (L X W X H)</b>  |                      | 162.9 × 62.4 × 62.7 mm<br>(6.4" × 2.5" × 2.5")                                    |  |   |  |   |  | 253.4 × 86 × 71.1 mm<br>(9.98" × 3.4" × 2.8")   |  |  |  |
| <b>Weight</b>                  |                      | 0.25 kg (0.55 lb)   |  |   |  |   |  | 0.58 kg (1.28 lb)   |  |  |  |
| <b>Ingress Protection</b>      |                      | IP66  |  |   |  |   |  | IP67  |  |  |  |
| <b>Vandal Resistance</b>       |                      | N/A   |  |   |  |   |  | IK10  |  |  |  |

**Note:**

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



## Target Series Specifications (Part 5)





|                                |                      | GV-EFD1100 Series   |               | GV-EFD2100 Series   |                            | GV-EFD4700 Series   |               | GV-EFD2700 Series  |  |
|--------------------------------|----------------------|---|---------------|---|----------------------------|---|---------------|--|--|
|                                |                      |  |               |  |                            |  |               |  |  |
| <b>Camera</b>                  |                      |   |               |   |                            |   |               |  |  |
| <b>Image Sensor</b>            |                      | 1/3" progressive scan low lux CMOS  |               | 1/2.8" progressive scan low lux CMOS  |                            | 1/3" progressive scan super low lux CMOS  |               | 1/2.8" progressive scan super low lux CMOS   |  |
| <b>Picture Elements</b>        |                      | 1280 (H) x 1024 (V)   |               | 1920 (H) x 1080 (V)   |                            | 2592 (H) x 1520 (V)   |               | 1920 (H) x 1080 (V)  |  |
| <b>Minimum Illumination</b>    | <b>Color</b>         | 0.05 Lux  |               | 0.07 Lux  |                            | 0.03 Lux  |               | 0.005 Lux  |  |
|                                | <b>B/W</b>           | 0.03 Lux  |               | 0.04 Lux  |                            | 0.02 Lux  |               | 0.004 Lux  |  |
|                                |                      |   |               |   |                            | 0 Lux   |               |  |  |
| <b>Shutter Speed</b>           |                      | Auto, Manual (1/5 ~ 1/8000 sec)   |               |   |                            |   |               | Automatic, manual (1/5 ~ 1/16000 sec)  |  |
| <b>White Balance</b>           |                      | Auto, Manual (2800K ~ 8500K)  |               |   |                            |   |               |  |  |
| <b>Gain Control</b>            |                      | Automatic   |               |   |                            |   |               |  |  |
| <b>S/N Ratio</b>               |                      | 50 dB   |               | 48 dB   |                            | 50 dB   |               | 56 dB  |  |
| <b>WDR</b>                     |                      | Yes   |               | Yes   |                            | WDR Pro   |               |  |  |
| <b>Dynamic Range</b>           |                      | Up to 72 dB   |               |   |                            | Up to 120 dB  |               | Up to 130 dB   |  |
| <b>Operation</b>               |                      |   |               |   |                            |   |               |  |  |
| <b>Video Compression</b>       |                      | H.264, MJPEG  |               |   |                            | H.265, H.264, MJPEG   |               |  |  |
| <b>Video Streaming</b>         |                      | Dual streams  |               |   |                            | Triple streams from H.265, H.264 or MJPEG   |               | Dual streams from H.265, H.264 or MJPEG  |  |
| <b>Frame Rate</b>              |                      | 30 fps at 1280 x 1024   |               | 30 fps at 1920 x 1080   |                            | 20 fps at 2592 x 1520<br>24 fps at 2560 x 1440<br>30 fps at 2048 x 1520             |               | 30 fps at 1920 x 1080  |  |
| <b>Audio Compression</b>       |                      | G.711, AAC (optional)   |               |   |                            |   |               |  |  |
| <b>Audio Support</b>           |                      | One-way Audio   |               |   |                            |   |               |  |  |
| <b>Optical Lens</b>            |                      |   |               |   |                            |   |               |  |  |
| <b>Megapixel</b>               |                      | Yes   |               |   |                            |   |               |  |  |
| <b>Day/Night</b>               |                      | Yes (with removable IR-cut filter)  |               |   |                            |   |               |  |  |
| <b>Lens Type</b>               |                      | Fixed   |               |   |                            |   |               |  |  |
| <b>Focal Length</b>            | GV-EFD1100-0F        | 2.8 mm  | GV-EFD2100-0F | 2.8 mm  | GV-EFD4700-0F / EFD2700-0F | 2.8 mm  |               |  |  |
|                                | GV-EFD1100-2F        | 3.8 mm  | GV-EFD2100-2F | 3.8 mm  | GV-EFD4700-2F / EFD2700-2F | 3.8 mm  |               |  |  |
| <b>Maximum Aperture</b>        | GV-EFD1100-0F        | F/2.0   | GV-EFD2100-0F | F/2.0   | GV-EFD4700-0F / EFD2700-0F | F/2.0   |               |  |  |
|                                | GV-EFD1100-2F        | F/1.8   | GV-EFD2100-2F | F/1.8   | GV-EFD4700-2F / EFD2700-2F | F/1.8   |               |  |  |
| <b>Mount</b>                   |                      | M12, Pitch 0.5 mm   |               |   |                            |   |               |  |  |
| <b>Image Format</b>            |                      | 1/2.7"  |               |   |                            |   |               |  |  |
| <b>Horizontal FOV</b>          | GV-EFD1100-0F        | 93°   | GV-EFD2100-0F | 99°   | GV-EFD4700-0F              | 96°   | GV-EFD2700-0F | 100°   |  |
|                                | GV-EFD1100-2F        | 64°   | GV-EFD2100-2F | 72°   | GV-EFD4700-2F              | 72°   | GV-EFD2700-2F | 73°  |  |
| <b>Operation</b>               | <b>Focus</b>         | Fixed   |               |   |                            |   |               |  |  |
|                                | <b>Zoom</b>          | Fixed   |               |   |                            |   |               |  |  |
|                                | <b>Iris</b>          | Fixed   |               |   |                            |   |               |  |  |
| <b>IR LED Quantity</b>         |                      | 12 IR LEDs  |               |   |                            |   |               |  |  |
| <b>Max. IR Distance</b>        |                      | 15 m (50 ft)  |               |   |                            |   |               | 40 m (131 ft)  |  |
| <b>Mechanical</b>              |                      |   |               |   |                            |   |               |  |  |
| <b>Camera Angle Adjustment</b> | <b>Pan</b>           | -45° ~ 45°  |               |   |                            |   |               |  |  |
|                                | <b>Tilt</b>          | 0° ~ 63°  |               |   |                            |   |               |  |  |
| <b>Connectors</b>              | <b>Power</b>         | 2-pin terminal block, PoE   |               |   |                            |   |               |  |  |
|                                | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 cable   |               |   |                            |   |               |  |  |
|                                | <b>Audio</b>         | 1 In (built-in microphone)  |               |   |                            |   |               |  |  |
|                                | <b>Local Storage</b> | N/A   |               |   |                            |   |               | Micro SD card slot (SD/SDHC/UHS-I, Class 10)<br>*UHS-II card type is not supported |  |
| <b>LED Indicator</b>           |                      | 4 LEDs: Link, ACT, Power, Status  |               |   |                            |   |               |  |  |
| <b>General</b>                 |                      |   |               |   |                            |   |               |  |  |
| <b>Environment Temperature</b> |                      | 0°C ~ 45°C (32°F ~ 113°F)   |               |   |                            |   |               |  |  |
| <b>Humidity</b>                |                      | 10% to 90% (no condensation)  |               |   |                            |   |               |  |  |
| <b>Power Source</b>            |                      | 12V DC / PoE (IEEE 802.3af)   |               |   |                            |   |               |  |  |
| <b>Max. Power Consumption</b>  |                      | 5.8 W   |               |   |                            | 6.07 W  |               |  |  |
| <b>Regulatory</b>              |                      | CE, FCC, RCM, RoHS compliant  |               |   |                            | CE, FCC, RCM, LVD, RoHS compliant   |               |  |  |
| <b>Dimensions (L X W X H)</b>  |                      | ø 100 x 60 mm (3.9" x 2.4")   |               |   |                            |   |               |  |  |
| <b>Weight</b>                  |                      | 148 g (0.33 lb)   |               |   |                            |   |               |  |  |
| <b>Ingress Protection</b>      |                      | N/A   |               |   |                            |   |               |  |  |
| <b>Vandal Resistance</b>       |                      | N/A   |               |   |                            |   |               |  |  |

**Note:**

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



## Target Series Specifications (Part 6)








|                                | GV-EDR1100 Series   |                                       | GV-EDR2100 Series   |          | GV-EDR4700 Series  |  | GV-EDR2700 Series   |           | GV-ADR2701   | GV-ADR4701                         |          |
|--------------------------------|---|---------------------------------------|---|----------|--|--|---|-----------|--|------------------------------------|----------|
|                                |  |                                       |  |          |  |  |  |           |  |                                    |          |
| <b>Camera</b>                  |   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Image Sensor</b>            | 1/3" progressive scan low lux CMOS  |                                       | 1/2.8" progressive scan low lux CMOS  |          | 1/3" progressive scan super low lux CMOS   |  | 1/2.8" progressive scan super low lux CMOS  |           | 1/2.7" progressive scan low lux CMOS   | 1/3" progressive scan low lux CMOS |          |
| <b>Picture Elements</b>        | 1280 (H) x 1024 (V)   |                                       | 1920 (H) x 1080 (V)   |          | 2592 (H) x 1520 (V)  |  | 1920 (H) x 1080 (V)   |           | 1920 (H) x 1080 (V)  | 2592(H) x 1520 (V)                 |          |
| <b>Minimum Illumination</b>    | <b>Color</b>  | 0.05 Lux                              |   | 0.07 Lux |  | 0.03 Lux   |   | 0.005 Lux |  | 0.02 Lux                           | 0.02 Lux |
|                                | <b>B/W</b>  | 0.03 Lux                              |   | 0.04 Lux |  | 0.02 Lux   |   | 0.004 Lux |  | N/A                                |          |
|                                | <b>IR ON</b>  | 0 Lux                                 |   |          |  |  |   |           |  |                                    |          |
| <b>Shutter Speed</b>           | Auto, Manual (1/5 ~ 1/8000 sec)   |                                       |   |          | Auto, Manual (1/5 ~ 1/16000 sec)   |  |   |           | Auto / Manual (1/6 ~ 1/100000 sec)   |                                    |          |
| <b>White Balance</b>           | Auto, Manual (2800K ~ 8500K)  |                                       |   |          |  |  |   |           | Auto / Manual  |                                    |          |
| <b>Gain Control</b>            | Automatic   |                                       |   |          |  |  |   |           | Auto / Manual  |                                    |          |
| <b>S/N Ratio</b>               | 50 dB   |                                       | 48 dB   |          | 50 dB  |  | 56 dB   |           | 52 dB  |                                    |          |
| <b>WDR</b>                     | Yes   |                                       |   |          | WDR Pro  |  |   |           | Yes  |                                    |          |
| <b>Dynamic Range</b>           | Up to 72 dB   |                                       |   |          | Up to 120 dB   |  | Up to 130 dB  |           | Up to 72 dB  |                                    |          |
| <b>Operation</b>               |   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Video Compression</b>       | H.264, MJPEG  |                                       |   |          | H.265, H.264, MJPEG  |  |   |           |  |                                    |          |
| <b>Video Streaming</b>         | Dual streams  |                                       |   |          | Triple streams   |  | Dual streams  |           | Triple streams   |                                    |          |
| <b>Frame Rate</b>              | 30 fps at 1280 x 1024   |                                       | 30 fps at 1920 x 1080   |          | 20 fps at 2592 x 1520<br>24 fps at 2560 x 1440<br>30 fps at 2048 x 1520            |  | 30 fps at 1920 x 1080   |           | 25 fps at 1920 x 1080<br>20 fps at 2592 x 1520<br>25 fps at 2560 x 1440<br>30 fps at 2048 x 1520 |                                    |          |
| <b>Audio Compression</b>       | N/A   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Audio Support</b>           | N/A   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Optical Lens</b>            |   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Megapixel</b>               | Yes   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Day/Night</b>               | Yes (with removable IR-cut filter)  |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Lens Type</b>               | Fixed   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Focal Length</b>            | GV-EDR1100-0F   | 2.8 mm                                | GV-EDR2100-0F   | 2.8 mm   | GV-EDR4700-0F / EDR2700-0F   |  | 2.8 mm  |           | 2.8 mm   |                                    |          |
|                                | GV-EDR1100-2F   | 3.8 mm                                | GV-EDR2100-2F   | 3.8 mm   | GV-EDR4700-2F / EDR2700-2F   |  | 3.8 mm  |           | 2.8 mm   |                                    |          |
| <b>Maximum Aperture</b>        | GV-EDR1100-0F   | F/2.0                                 | GV-EDR2100-0F   | F/2.0    | GV-EDR4700-0F / EDR2700-0F   |  | F/2.0   |           | F/2.2  |                                    |          |
|                                | GV-EDR1100-2F   | F/1.8                                 | GV-EDR2100-2F   | F/1.8    | GV-EDR4700-2F / EDR2700-2F   |  | F/1.8   |           | F/1.8  |                                    |          |
| <b>Mount</b>                   | M12, Pitch 0.5 mm   |                                       |   |          |  |  |   |           | M12  |                                    |          |
| <b>Image Format</b>            | 1/2.7"  |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Horizontal FOV</b>          | GV-EDR1100-0F   | 93°                                   | GV-EDR2100-0F   | 99°      | GV-EDR4700-0F  | 96°  | GV-EDR2700-0F   | 100°      | 105.2°   |                                    |          |
|                                | GV-EDR1100-2F   | 64°                                   | GV-EDR2100-2F   | 72°      | GV-EDR4700-2F  | 72°  | GV-EDR2700-2F   | 73°       | 101°   |                                    |          |
| <b>Operation</b>               | <b>Focus</b>  | Fixed                                 |   |          |  |  |   |           |  |                                    |          |
|                                | <b>Zoom</b>   | Fixed                                 |   |          |  |  |   |           |  |                                    |          |
|                                | <b>Iris</b>   | Fixed                                 |   |          |  |  |   |           |  |                                    |          |
| <b>IR LED Quantity</b>         | 12 IR LEDs  |                                       |   |          |  |  |   |           | 1 IR LED   |                                    |          |
| <b>Max. IR Distance</b>        | 15 m (50 ft)  |                                       |   |          |  |  | 40 m (131 ft)   |           | 30 m (98.4 ft)   |                                    |          |
| <b>Mechanical</b>              |   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Camera Angle Adjustment</b> | <b>Pan</b>  | -45° ~ 45°                            |   |          |  |  |   |           |  | 0° ~ 360°                          |          |
|                                | <b>Tilt</b>   | 0° ~ 63°                              |   |          |  |  |   |           |  | 0° ~ 68°                           |          |
|                                | <b>Rotate</b>   | N/A                                   |   |          |  |  |   |           |  |                                    |          |
| <b>Connectors</b>              | <b>Power</b>  | 2-pin terminal block, PoE             |   |          |  |  |   |           |  | DC Jack, PoE                       |          |
|                                | <b>Ethernet</b>   | Ethernet (10/100 Base-T), RJ-45 cable |   |          |  |  |   |           |  |                                    |          |
|                                | <b>Audio</b>  | N/A                                   |   |          |  |  |   |           |  |                                    |          |
|                                | <b>Local Storage</b>  | N/A                                   |   |          |  | Micro SD card slot (SD/SDHC/UHS-I, Class 10)<br>*UHS-II card type is not supported |   |           |  | N/A                                |          |
| <b>LED Indicator</b>           | 4 LEDs: Link, ACT, Power, Status  |                                       |   |          |  |  |   |           | N/A  |                                    |          |
| <b>General</b>                 |   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Environment</b>             | <b>Start-up Temperature</b>   | -20°C ~ 50°C (-4°F ~ 122°F)           |   |          |  |  |   |           |  | -30°C ~ 60°C (-22°F ~ 140°F)       |          |
|                                |   | -30°C ~ 50°C (-22°F ~ 122°F)          |   |          |  |  |   |           |  |                                    |          |
| <b>Humidity</b>                | 10% to 90% (no condensation)  |                                       |   |          |  |  |   |           | 0% ~ 95% (no condensation)   |                                    |          |
| <b>Power Source</b>            | 12V DC / PoE (IEEE 802.3af)   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Max. Power Consumption</b>  | 5.8 W   |                                       |   |          | 6.07 W   |  |   |           | 5 W  |                                    |          |
| <b>Regulatory</b>              | CE, FCC, RCM, RoHS compliant  |                                       |   |          | CE, FCC, RCM, LVD, RoHS compliant  |  |   |           | FCC, UL, CE, RoHS compliant  |                                    |          |
| <b>Dimensions (L X W X H)</b>  | ø 114 x 62.8 mm (4.49" x 2.47")   |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Weight</b>                  | 600 g (1.32 lb)   |                                       |   |          |  |  |   |           | 0.3 kg (0.66 lb)   |                                    |          |
| <b>Ingress Protection</b>      | IP67  |                                       |   |          |  |  |   |           |  |                                    |          |
| <b>Vandal Resistance</b>       | IK10 for metal casing   |                                       |   |          |  |  |   |           | N/A  |                                    |          |
| <b>IK10</b>                    | IK10  |                                       |   |          |  |  |   |           |  |                                    |          |

**Note:**

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









## Target Series Specifications (Part 7)

|   | GV-EBD2702  | GV-EBD4700  | GV-EBD4711  | GV-EBD8711   | GV-EFD2101  | GV-EFD3101  | GV-EFD5101  |
|---|---|---|---|--|---|---|---|
| <b>Camera</b>                               |  |  |  |           |        |  |  |
| <b>Image Sensor</b>                         | 1/2.7" progressive scan low lux CMOS sensor                                       | 1/3" progressive scan low lux CMOS  |   | 1/2" progressive scan super low lux CMOS   | 1/2.8" progressive scan super low lux CMOS  |   | 1/3.2" progressive scan CMOS  |
| <b>Picture Elements</b>                     | 1920 (H) x 1080 (V)   | 2592 (H) x 1520 (V)   |   | 3840 (H) x 2160 (V)  | 1920 (H) x 1080 (V)   | 2048 (H) x 1536 (V)   | 2592 (H) x 1944 (V)   |
| <b>Minimum Illumination</b>                 | <b>Color</b>  | 0.02 Lux  | 0.05 Lux  | 0.003 Lux  | 0.005 Lux   | 0.01 Lux  | 0.12 Lux  |
|   | <b>B/W</b>  | N/A   | 0.03 Lux  | N/A  | 0.004 Lux   | 0.01 Lux  | 0.10 Lux  |
|   | <b>IR ON</b>  | 0 Lux   |   |  |   |   |   |
| <b>Shutter Speed</b>                        | Auto / Manual (1/6 ~ 1/100000 sec)  | Auto / Manual (1/6 ~ 1/8000 sec)  |   | Auto / Manual (1/6 ~ 1/100000 sec)   | Auto / Manual (1/5 ~ 1/8000 sec)  |   |   |
| <b>White Balance</b>                        | Auto / Manual   |   |   |  | Auto / Manual (2800K ~ 8500K)   |   |   |
| <b>Gain Control</b>                         | Auto / Manual   |   |   |  | Automatic   |   |   |
| <b>S/N Ratio</b>                            | 52 dB   | 55 dB   |   | 52 dB  | 56 dB   | 54 dB   | 46 dB   |
| <b>WDR</b>                                  | Yes   | WDR Pro   |   | Yes  | WDR Pro   |   | Yes   |
| <b>Dynamic Range</b>                        | Up to 72 dB   | Up to 100 dB  |   | Up to 120 dB   | Up to 72 dB   | Up to 100 dB  | Up to 72 dB   |
| <b>Operation</b>                            |   |   |   |  |   |   |   |
| <b>Video Compression</b>                    | H.265, H.264, MJPEG   |   |   |  | H.264, MJPEG  |   |   |
| <b>Video Streaming</b>                      | Triple streams  |   |   |  | Dual streams  |   |   |
| <b>Frame Rate</b>                           | 30 fps at 1920 x 1080   | 20 fps at 2592 x 1520<br>25 fps at 2560 x 1440<br>30 fps at 2048 x 1520           |   | 15 fps at 3840 x 2160,<br>30 fps at 2944 x 1656 /<br>2592 x 1944 /<br>2560 x 1440          | 30 fps at 1920 x 1080   | 30 fps at 2048 x 1536   | 30 fps at 2592 x 1944   |
| <b>Audio Compression</b>                    | N/A   |   | G.711   |  | G.711, AAC (optional)   |   |   |
| <b>Audio Support</b>                        | N/A   |   | One-way Audio   |  | Two-way Audio   |   |   |
| <b>Optical Lens</b>                         |   |   |   |  |   |   |   |
| <b>Megapixel</b>                            | Yes   |   |   |  |   |   |   |
| <b>Day/Night</b>                            | Yes (with removable IR-cut filter)  |   |   |  |   |   |   |
| <b>Lens Type</b>                            | Fixed   | Motorized varifocal lens  |   |  | Varifocal   |   |   |
| <b>Focal Length</b>                         | 2.8 mm  | 2.7 ~ 12 mm   |   | 2.8 ~ 12 mm  | 3 ~ 9 mm  |   |   |
| <b>Maximum Aperture</b>                     | F/1.8   | F/1.4   |   | F/1.5  | F/1.7   |   |   |
| <b>Mount</b>                                | M12   |   |   |  | Ø 14 mm   |   |   |
| <b>Image Format</b>                         | 1/2.7"  | 1/3"  |   | 1/2"   | 1/2.8"  |   | 1/3.2"  |
| <b>Horizontal FOV</b>                       | 109.9°  | 100°  | 91.0°~27.0°   | 114.8° ~ 47.3°   | 102° ~ 40°  | 96° ~ 36°   | 92° ~ 32°   |
| <b>Operation</b>                            | <b>Focus</b>  | Auto / Manual   |   |  | Manual (with lock)  |   |   |
|   | <b>Zoom</b>   | Fixed   | 4.4x Optical Zoom   | 4.3x Optical Zoom  | Manual (with lock)  |   |   |
|   | <b>Iris</b>   | Fixed   |   |  | P-Iris  |   |   |
| <b>Maximum Torque (Focus / Zoom Screws)</b> | N/A   |   |   |  | 0.049 N.m   |   |   |
| <b>IR LED Quantity</b>                      | 1 IR LED  |   | 2 IR LEDs   |  | 20 IR LEDs  |   |   |
| <b>Max. IR Distance</b>                     | 30 m (98.4 ft)  |   |   |  | 50 m (164.04 ft)  |   | 30 m (98.4 ft)  |
| <b>Mechanical</b>                           |   |   |   |  |   |   |   |
| <b>Camera Angle Adjustment</b>              | <b>Pan</b>  | 0° ~ 360°   |   |  | 0° ~ 350°   |   |   |
|   | <b>Tilt</b>   | 0° ~ 77°  |   |  | 0° ~ 75°  |   |   |
|   | <b>Rotate</b>   | 0° ~ 360°   |   |  | 0° ~ 340°   |   |   |
| <b>3-axis Mechanism</b>                     | Yes   |   |   |  |   |   |   |
| <b>Connectors</b>                           | <b>Power</b>  | DC Jack   |   | DC Jack, PoE   | 2-pin terminal block, PoE   |   |   |
|   | <b>Ethernet</b>   | RJ-45 connector   |   | Ethernet (10/100 Base-T)   | Ethernet (10/100 Base-T), RJ-45 cable   |   |   |
|   | <b>Audio</b>  | N/A   |   | 1 In (built-in microphone)   | 1 In (microphone phone jack, 3.5 mm / 0.14")<br>1 Out (stereo phone jack, 3.5 mm / 0.14") |   |   |
|   | <b>TV-Out</b>   | N/A   |   |  | BNC connector (D1 resolution)   |   |   |
|   | <b>Local Storage</b>  | N/A   |   | Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10)<br>*UHS-II card types are not supported. |   | N/A   |   |
| <b>LED Indicator</b>                        | N/A   |   |   |  | 2 LEDs: Power, Status   |   |   |
| <b>Temperature Detector</b>                 |   |   |   |  | Yes   |   |   |
| <b>General</b>                              |   |   |   |  |   |   |   |
| <b>Environment Temperature</b>              | <b>Start-up</b>   | -35°C ~ 60°C  |   | -40°C ~ 60°C   |   | 0°C ~ 50°C (32°F ~ 122°F)   |   |
|   | <b>Operation</b>  | (-31°F ~ 140°F)   |   | (-40°F ~ 140°F)  |   |   |   |
| <b>Humidity</b>                             | 0% ~ 95% (no condensation)  |   |   |  | 10% to 90% (no condensation)  |   |   |
| <b>Power Source</b>                         | 12V DC / PoE (IEEE 802.3af)   |   |   |  |   |   |   |
| <b>Max. Power Consumption</b>               | 5.5 W   |   | 8.16 W  |  | 5.8 W   | 7W  |   |
| <b>Regulatory</b>                           | CE, FCC, RoHS, UL compliant   |   | CE, FCC, RoHS compliant   |  | CE, FCC, RCM, RoHS compliant  |   |   |
| <b>Dimensions (L X W X H)</b>               | Ø 126 x 94 mm (Ø5.0" x 3.7")  |   | Ø 129 x 110 mm (Ø5.08" x 4.3")  |  | Ø 125 x 99.5 mm (4.92" x 3.92")   |   |   |
| <b>Weight</b>                               | 0.33 kg (0.73 lb)   | 0.45 kg (0.99 lb)   | 0.67 kg (1.48 lb)   |  | 470 g (1.04 lb)   |   |   |
| <b>Ingress Protection</b>                   | IP67  |   |   |  | N/A   |   |   |






## Target Series Specifications (Part 8)

|   |                         | GV-EVD2100  | GV-EVD3100  | GV-EVD5100  | GV-AVD2700   | GV-AVD4710  | GV-AVD8710  |
|---|-------------------------|---|---|---|--|---|---|
|   |                         |          |  |  |          |  |  |
| <b>Camera</b>                               |                         |   |   |   |  |   |   |
| <b>Image Sensor</b>                         |                         | 1/2.8" progressive scan super low lux CMOS  | 1/2.8" progressive scan super low lux CMOS  | 1/3.2" progressive scan CMOS  | 1/2.9" progressive scan low lux CMOS   | 1/3" progressive scan CMOS  | 1/2" progressive scan super low lux CMOS  |
| <b>Picture Elements</b>                     |                         | 1920 (H) x 1080 (V)   | 2048 (H) x 1536 (V)   | 2592 (H) x 1944 (V)   | 1920 (H) x 1080 (V)  | 2592(H) x 1520 (V)  | 3840 (H) x 2160 (V)   |
| <b>Minimum Illumination</b>                 | <b>Color</b>            | 0.005 Lux   | 0.01 Lux  | 0.12 Lux  | 0.01 Lux   | 0.02 Lux  | 0.003 Lux   |
|   | <b>B/W</b>              | 0.004 Lux   | 0.01 Lux  | 0.10 Lux  | N/A  | N/A   | N/A   |
| <b>IR ON</b>                                |                         | 0 Lux   |   |   |  |   |   |
| <b>Shutter Speed</b>                        |                         | Auto, Manual (1/5 ~ 1/8000 sec)   |   |   | Auto / Manual (1/6 ~ 1/100000 sec)   |   |   |
| <b>White Balance</b>                        |                         | Auto, Manual (2800K ~ 8500K)  |   |   | Auto / Manual  |   |   |
| <b>Gain Control</b>                         |                         | Auto  |   |   | Auto / Manual  |   |   |
| <b>S/N Ratio</b>                            |                         | 56 dB   | 54 dB   | 46 dB   | 52 dB  | 55 dB   | 52 dB   |
| <b>WDR Pro (with WDR sensor)</b>            |                         | N/A   | Yes   |   |  |   |   |
| <b>Dynamic Range</b>                        |                         | Up to 72 dB   | Up to 100 dB  | Up to 72 dB   | Up to 120 dB   |   |   |
| <b>Operation</b>                            |                         |   |   |   |  |   |   |
| <b>Video Compression</b>                    |                         | H.264, MJPEG  |   |   | H.265, H.264, MJPEG  |   |   |
| <b>Video Streaming</b>                      |                         | Dual streams  |   |   | Triple streams   |   |   |
| <b>Frame Rate</b>                           |                         | 30 fps at 1920 x 1080   | 30 fps at 2048 x 1536   | 30 fps at 2592 x 1944   | 30 fps at 1920 x 1080  | 20 fps at 2592 x 1520,<br>25 fps at 2560 x 1440<br>30 fps at 2048 x 1520            | 15 fps at 3840 x 2160<br>30 fps at 2944 x 1656 /<br>2592 x 1944 /<br>2560 x 1440    |
| <b>Audio Compression</b>                    |                         | G.711, AAC (optional)   |   |   | G.711  |   |   |
| <b>Audio Support</b>                        |                         | Two-way Audio   |   |   |  |   |   |
| <b>Optical Lens</b>                         |                         |   |   |   |  |   |   |
| <b>Megapixel</b>                            |                         | Yes   |   |   |  |   |   |
| <b>Day/Night</b>                            |                         | Yes (with removable IR-cut filter)  |   |   |  |   |   |
| <b>Lens Type</b>                            |                         | Varifocal   |   |   | Motorized varifocal  |   |   |
| <b>Focal Length</b>                         |                         | 3 ~ 9 mm  |   |   | 2.8~12 mm  |   |   |
| <b>Maximum Aperture</b>                     |                         | F/1.7   |   |   | F/1.4  |   | F/1.5   |
| <b>Mount</b>                                |                         | Ø 14 mm   |   |   |  |   |   |
| <b>Image Format</b>                         |                         | 1/2.8"  |   | 1/3.2"  | 1/2.9"   | N/A   | 1/2"  |
| <b>Horizontal FOV</b>                       |                         | 102° ~ 40°  | 96° ~ 36°   | 92° ~ 32°   | 108° ~ 30°   | 91°~27°   | 114.8°~47.3°  |
| <b>Operation</b>                            | <b>Focus</b>            | Manual (with lock)  |   |   |  | Auto / Manual   |   |
|   | <b>Zoom</b>             | Manual (with lock)  |   |   |  | 4.3x Optical Zoom   |   |
|   | <b>Iris</b>             | P-Iris  |   |   | Fixed  |   |   |
| <b>Maximum Torque (Focus / Zoom Screws)</b> |                         | 0.049 N.m   |   |   | N/A  |   |   |
| <b>IR LED Quantity</b>                      |                         | 20 IR LEDs  |   |   | 2 IR LEDs  |   |   |
| <b>Max. IR Distance</b>                     |                         | 50 m (164.04 ft)  |   |   | 30 m (98.4 ft)   |   |   |
| <b>Mechanical</b>                           |                         |   |   |   |  |   |   |
| <b>Camera</b>                               | <b>Pan</b>              | 0° ~ 350°   |   |   | 0°~360°  |   |   |
|   | <b>Angle</b>            | 0° ~ 75°  |   |   | 0°~80°   |   |   |
| <b>Adjustment</b>                           | <b>Rotate</b>           | 0° ~ 340°   |   |   | 0°~360°  |   |   |
|   | <b>3-axis Mechanism</b> | Yes   |   |   |  |   |   |
| <b>Connectors</b>                           | <b>Power</b>            | 2-pin terminal block, PoE   |   |   | DC Jack, PoE   |   |   |
|   | <b>Ethernet</b>         | Ethernet (10/100 Base-T), RJ-45 cable   |   |   |  |   |   |
|   | <b>Audio</b>            | 1 In (microphone phone jack, 3.5 mm / 0.14")<br>1 Out (stereo phone jack, 3.5 mm / 0.14") |   |   | 1 in (Audio In Wire)<br>1 out (Audio Out Wire)   |   |   |
|   | <b>TV-Out</b>           | BNC connector (D1 resolution)   |   |   |  |   |   |
|   | <b>Digital I/O</b>      | N/A   |   |   | 4-pin terminal block pitch 3.5 mm (0.14")  |   |   |
|   | <b>Local Storage</b>    | N/A   |   |   | Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10)<br>*UHS-II card types are not supported. |   |   |
| <b>LED Indicator</b>                        |                         | 2 LEDs: Power, Status   |   |   | N/A  |   |   |
| <b>Temperature Detector</b>                 |                         | Yes   |   |   | N/A  |   |   |
| <b>General</b>                              |                         |   |   |   |  |   |   |
| <b>Environment</b>                          | <b>Start-up</b>         | -20 °C ~ 50 °C (-4 °F ~ 122 °F)   |   |   | -40°C ~ 60°C (-22°F ~ 140°F)   |   |   |
|   | <b>Operation</b>        | -30 °C ~ 50 °C (-22 °F ~ 122 °F)  |   |   |  |   |   |
| <b>Humidity</b>                             |                         | 10% to 90% (no condensation)  |   |   | 0% to 95% (no condensation)  |   |   |
| <b>Power Source</b>                         |                         | 12V DC / PoE (IEEE 802.3af)   |   |   |  |   |   |
| <b>Max. Power Consumption</b>               |                         | 6.1 W   |   | 7 W   | 7.2 W  |   | 8 W   |
| <b>Regulatory</b>                           |                         | CE, FCC, RCM, RoHS compliant  |   |   |  |   |   |
| <b>Dimensions (L X W X H)</b>               |                         | Ø 160 x 108.4 mm (6.2" x 4.27")   |   |   | Ø 148 x 111.3 mm (5.8" x 4.4")   |   |   |
| <b>Weight</b>                               |                         | 1.15 kg (2.54 lb)   |   |   | 0.75 kg (1.7 lb)   |   |   |
| <b>Ingress Protection</b>                   |                         | IP67  |   |   |  |   |   |
| <b>Vandal Resistance</b>                    |                         | IK10  |   |   |  |   |   |



## Target Series Specifications (Part 9)




|                                  |               | GV-EFER3700 (Outdoor)  | GV-EFER3700-W (Outdoor)                           |
|----------------------------------|---------------|--|---|
|                                  |               |                         |   |
| <b>Image Sensor</b>              |               | 1/2.8" progressive scan super low lux CMOS   |   |
| <b>Picture Elements</b>          |               | 2048 (H) x 1536 (W)  |   |
| <b>Minimum Illumination</b>      | Color         | 0.001 Lux  |   |
|                                  | B/W           | 0.001 Lux  |   |
|                                  | IR ON         | 0 Lux  |   |
| <b>Shutter Speed</b>             |               | Automatic, Manual (1/5 ~ 1/16000 sec)  |   |
| <b>White Balance</b>             |               | Automatic, Manual (2800K ~ 8500K)  |   |
| <b>Gain Control</b>              |               | Automatic  |   |
| <b>S/N Ratio</b>                 |               | 54 dB  |   |
| <b>WDR Pro (with WDR Sensor)</b> |               | Yes  |   |
| <b>Dynamic Range</b>             |               | Up to 120 dB   |   |
| <b>Operation</b>                 |               |  |   |
| <b>Video Compression</b>         |               | H.265, H.264, MJPEG  |   |
| <b>Video Streaming</b>           |               | Stream 1 from H.265 or H.264   |   |
|                                  |               | Stream 2 from H.265, H.264 or MJPEG  |   |
|                                  |               | Stream 3 from H.265, H.264 or MJPEG  |   |
| <b>Frame Rate</b>                |               | 50Hz: 25 fps at 2048 x 1536, 25 fps at 1440 x 1376<br>60Hz: 30 fps at 2048 x 1536, 30 fps at 1440 x 1376 |   |
| <b>Audio Compression</b>         |               | G.711, AAC (Optional)  |   |
| <b>Audio Support</b>             |               | Two-way Audio  |   |
| <b>Sensor Input</b>              |               | 1 input (Dry Contact)  |   |
| <b>Sensor Output</b>             |               | 1 digital output (200mA 5V DC)   |   |
| <b>Optical Lens</b>              |               |  |   |
| <b>Megapixel</b>                 |               | Yes  |   |
| <b>Day/Night</b>                 |               | Yes (with removable IR-cut filter)   |   |
| <b>Focal Length</b>              |               | 1.24 mm  |   |
| <b>Maximum Aperture</b>          |               | F/1.8  |   |
| <b>Mount</b>                     |               | M12  |   |
| <b>Image Format</b>              |               | 1/3"   |   |
| <b>Horizontal FOV</b>            |               | 185°   |   |
| <b>Operation</b>                 | Focus         | Fixed  |   |
|                                  | Iris          | Fixed  |   |
|                                  | Zoom          | Fixed  |   |
| <b>IR LED Quantity</b>           |               | 3 IR LEDs  |   |
| <b>Max. IR Distance</b>          |               | 20 m (65.61 ft)  |   |
| <b>Mechanical</b>                |               |  |   |
| <b>Temperature Detector</b>      |               | Yes  |   |
| <b>Connectors</b>                | Power         | 2-pin terminal block, PoE  | 2-pin terminal block                              |
|                                  | Ethernet      | Ethernet (10/100 Base-T), RJ-45  |   |
|                                  | Audio         | 1 In (Externally connecting a microphone, 3.5 mm / 0.14")<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/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported.                 |   |
| <b>LED Indicator</b>             |               | 2 LEDs: Power / Status   | 4 LEDs: Power / Status / WiFi Power / WiFi Status |
| <b>General</b>                   |               |  |   |
| <b>Environment</b>               | Start-Up      | -20°C ~ 50°C (-4°F ~ 122°F)  |   |
|                                  | Operation     | -30°C ~ 50°C (-22°F ~ 122°F)   |   |
| <b>Humidity</b>                  |               | 10% to 90% (no condensation)   |   |
| <b>Power Source</b>              |               | 12V DC / PoE (IEEE 802.3af)  | 12V DC  |
| <b>Max. Power Consumption</b>    |               | 10.5 W   | 9.5 W   |
| <b>Regulatory</b>                |               | CE, FCC, RCM, LVD, RoHS compliant  |   |
| <b>Dimension</b>                 |               | Ø 140.5 x 52.2 mm (5.5" x 2.05")   |   |
| <b>Weight</b>                    |               | 670 g (1.47 lb)  |   |
| <b>Ingress Protection</b>        |               | IP67   |   |
| <b>Vandal Resistance</b>         |               | IK8  |   |

**Note:**

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



## PT and PTZ Camera Specifications





|                                |                      | GV-PT130D  | GV-PT220D   | GV-PT320D   |
|--------------------------------|----------------------|--|---|---|
|                                |                      |                         |  |  |
| <b>Camera</b>                  |                      |  |   |   |
| <b>Image Sensor</b>            |                      | 1/2.5" progressive scan CMOS   |   |   |
| <b>Picture Elements</b>        |                      | 1280 (H) x 1024 (V)  | 1920 (H) x 1080 (V)   | 2048 (H) x 1536 (V)   |
| <b>Minimum Illumination</b>    | <b>Color</b>         | 0.15 Lux   |   |   |
|                                | <b>B/W</b>           | 0.10 Lux   |   |   |
|                                | <b>IR ON</b>         | 0 Lux  |   |   |
| <b>Shutter Speed</b>           |                      | Automatic, Manual (1/5 ~ 1/8000 sec)   |   |   |
| <b>White Balance</b>           |                      | Auto, Manual (2800K ~ 8500K)   |   |   |
| <b>Gain Control</b>            |                      | Automatic  |   |   |
| <b>BLC</b>                     |                      | Yes  |   |   |
| <b>Dynamic Range</b>           |                      | Up to 72 dB  |   |   |
| <b>Operation</b>               |                      |  |   |   |
| <b>Video Compression</b>       |                      | H.264, MJPEG   |   |   |
| <b>Video Streaming</b>         |                      | Dual streams   |   |   |
| <b>Frame Rate</b>              |                      | 30 fps at 1280 x 1024,   | 30 fps at 1920 x 1080   | 20 fps at 2048 x 1536   |
| <b>Audio Compression</b>       |                      | G.711, AAC (optional)  |   |   |
| <b>Audio Support</b>           |                      | Two-way Audio  |   |   |
| <b>Sensor Input</b>            |                      | 1 Input (Dry Contact)  |   |   |
| <b>Alarm Output</b>            |                      | 1 Digital output (200mA 5V DC)   |   |   |
| <b>Optical Lens</b>            |                      |  |   |   |
| <b>Megapixel</b>               |                      | Yes  |   |   |
| <b>Day/Night</b>               |                      | Yes (with removable IR-cut filter)   |   |   |
| <b>Focal Length</b>            |                      | 4.0 mm   |   |   |
| <b>Maximum Aperture</b>        |                      | F/1.5  |   |   |
| <b>Mount</b>                   |                      | M12, Pitch 0.5 mm  |   |   |
| <b>Image Format</b>            |                      | 1/2.5"   |   |   |
| <b>Horizontal FOV</b>          |                      | 49°  | 58°   | 62°   |
|                                | <b>Focus</b>         | Manual (w/lock)  |   |   |
| <b>Operation</b>               | <b>Zoom</b>          | Fixed  |   |   |
|                                | <b>Iris</b>          | Fixed  |   |   |
| <b>IR LED Quantity</b>         |                      | 10 IR LEDs   |   |   |
| <b>Max. IR Distance</b>        |                      | 15 m (50 ft)   |   |   |
| <b>Mechanical</b>              |                      |  |   |   |
| <b>Camera Angle Adjustment</b> | <b>Pan</b>           | -175° ~ 175°   |   |   |
|                                | <b>Tilt</b>          | -45° ~ 90°   |   |   |
| <b>Temperature Detector</b>    |                      | Yes  |   |   |
| <b>Connectors</b>              | <b>Power</b>         | 2-pin terminal block, PoE  |   |   |
|                                | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 connector  |   |   |
|                                | <b>Audio</b>         | 1 In (built-in microphone or external microphone)<br>1 Out (Stereo phone jack, 3.5 mm / 0.14")           |   |   |
|                                | <b>Digital I/O</b>   | 3-pin terminal block, pitch 2.5 mm / 0.1"  |   |   |
|                                | <b>Local Storage</b> | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |   |
| <b>LED Indicator</b>           |                      | 2 LEDs: Power, Status  |   |   |
| <b>General</b>                 |                      |  |   |   |
| <b>Environment Temperature</b> |                      | 0 °C ~ 50 °C (32 °F ~ 122 °F)  |   |   |
| <b>Humidity</b>                |                      | 10% to 90% (no condensation)   |   |   |
| <b>Power Source</b>            |                      | 12V DC / 24V AC / PoE (IEEE 802.3af)   |   |   |
| <b>Max. Power Consumption</b>  |                      | 12.5 W   |   |   |
| <b>Regulatory</b>              |                      | CE, FCC, RCM, RoHS compliant   |   |   |
| <b>Dimensions</b>              | <b>With Base</b>     | 167.75 x 166.78 x 135.2 mm (6.6" x 6.7" x 5.32")   |   |   |
|                                | <b>Without Base</b>  | 124.55 x 122.73 x 133.3 mm (4.9" x 4.83" x 5.25")  |   |   |
| <b>Weight</b>                  |                      | 440 g (0.97 lb)  |   |   |

**Note:**

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



## Fisheye Camera Specifications (Part 1)





|                                  |                      | GV-FE3402 (Indoor)   | GV-FE5302 (Indoor)  | GV-FER3402 (Outdoor)  | GV-FER5302 (Outdoor)  |
|----------------------------------|----------------------|--|---|---|---|
|                                  |                      | Without IR Ring  |   |   |   |
|                                  |                      |                         |  |  |  |
| <b>Camera</b>                    |                      |  |   |   |   |
| <b>Image Sensor</b>              |                      | 1/3.2" progressive scan CMOS   | 1/2.5" progressive scan CMOS  | 1/3.2" progressive scan CMOS  | 1/2.5" progressive scan CMOS  |
| <b>Picture Elements</b>          |                      | 2048 (H) x 1536 (V)  | 2560 (H) x 1920 (V)   | 2048 (H) x 1536 (V)   | 2560 (H) x 1920 (V)   |
| <b>Minimum Illumination</b>      | <b>Color</b>         | 0.08 Lux   | 0.15 Lux  | 0.08 Lux  | 0.15 Lux  |
|                                  | <b>B/W</b>           | 0.05 Lux   | 0.10 Lux  | 0.05 Lux  | 0.10 Lux  |
|                                  | <b>IR ON</b>         | N/A  |   |   |   |
| <b>Shutter Speed</b>             |                      | Automatic, Manual (1/5 ~ 1/8000 sec)   |   |   |   |
| <b>White Balance</b>             |                      | Auto, Manual (2800K ~ 8500K)   |   |   |   |
| <b>Gain Control</b>              |                      | Automatic  |   |   |   |
| <b>S/N Ratio</b>                 |                      | 47 dB  | 45 dB   | 47 dB   | 45 dB   |
| <b>WDR Pro (with WDR Sensor)</b> |                      | Yes  | N/A   | Yes   | N/A   |
| <b>Dynamic Range</b>             |                      | Up to 100 dB   | Up to 72 dB   | Up to 100 dB  | Up to 72 dB   |
| <b>Operation</b>                 |                      |  |   |   |   |
| <b>Video Compression</b>         |                      | H.264, MJPEG   |   |   |   |
| <b>Video Streaming</b>           |                      | Dual Streams from H.264 or MJPEG   |   |   |   |
| <b>Frame Rate</b>                |                      | 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       | 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         |
| <b>Audio Compression</b>         |                      | G.711, AAC (optional)  |   |   |   |
| <b>Audio Support</b>             |                      | Two-way Audio  |   |   |   |
| <b>Sensor Input</b>              |                      | N/A  |   |   |   |
| <b>Alarm Output</b>              |                      | N/A  |   |   |   |
| <b>Optical Lens</b>              |                      |  |   |   |   |
| <b>Megapixel</b>                 |                      | Yes  |   |   |   |
| <b>Day/Night</b>                 |                      | Yes (with removable IR-cut filter)   |   |   |   |
| <b>Focal Length</b>              |                      | 1.19 mm  | 1.32 mm   | 1.19 mm   | 1.32 mm   |
| <b>Maximum Aperture</b>          |                      | F/2.0  | F/2.0   | F/2.0   | F/2.0   |
| <b>Mount</b>                     |                      | M12, Pitch 0.5 mm  |   |   |   |
| <b>Image Format</b>              |                      | 4.1 mm (image circle)  | 2.5"  | 4.1 mm (image circle)   | 2.5"  |
| <b>Horizontal FOV</b>            |                      | 180°   |   |   |   |
| <b>Operation</b>                 | <b>Focus</b>         | Fixed  |   |   |   |
|                                  | <b>Iris</b>          |  |   |   |   |
|                                  | <b>Zoom</b>          |  |   |   |   |
| <b>Mechanical</b>                |                      |  |   |   |   |
| <b>Temperature Detector</b>      |                      | Yes  |   |   |   |
| <b>Connectors</b>                | <b>Power</b>         | Terminal block (2 pin), PoE  |   |   |   |
|                                  | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 Connector  |   |   |   |
|                                  | <b>Audio</b>         | 1 In (built-in microphone)<br>1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")              |   | 1 In (built-in microphone), 1 Out (built-in speaker)                                |   |
|                                  | <b>Local Storage</b> | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |   |   |   |
|                                  | <b>Mini USB</b>      | GV-WiFi Adapter or USB hard drive  |   | N/A   |   |
| <b>General</b>                   |                      |  |   |   |   |
| <b>Environment Temperature</b>   |                      | 0 °C ~ 50 °C (32 °F ~ 122 °F)  |   | -30°C ~ 50°C (-22°F ~ 122°F)  |   |
| <b>Humidity</b>                  |                      | 10% to 90% (no condensation)   |   |   |   |
| <b>Power Source</b>              |                      | 12V DC / 24V AC / PoE (IEEE 802.3af)   |   |   |   |
| <b>Max. Power Consumption</b>    |                      | 8.6 W  |   | 3.6 W   |   |
| <b>Regulatory</b>                |                      | CE, FCC, RCM, RoHS compliant   |   |   |   |
| <b>Dimensions</b>                | <b>Camera Body</b>   | <b>Hard-Ceiling Mount</b>  | Ø 160.25 x 48.36 mm (6.31" x 1.93")   |   |   |
|                                  |                      | <b>In-Ceiling Mount</b>  | Ø 166.48 x 48.36 mm (6.55" x 1.93")   |   |   |
| <b>Weight</b>                    |                      | 410 g (0.9 lb)   |   | 500 g (1.1 lb)  |   |
| <b>Ingress Protection</b>        |                      | N/A  |   | IP67  |   |
| <b>Vandal Resistance</b>         |                      | IK10+ for metal casing   |   |   |   |

### Note:

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



## Fisheye Camera Specifications (Part 2)





|                                  | GV-FE3403 (Indoor)  | GV-FE5303 (Indoor)   | GV-FER3403 (Outdoor)   | GV-FER5303 (Outdoor)  |
|----------------------------------|---|--|--|---|
|                                  | With IR Ring  |  |  |   |
|                                  |  |                         |  |  |
| <b>Camera</b>                    |   |  |  |   |
| <b>Image Sensor</b>              | 1/3.2" progressive scan CMOS  | 1/2.5" progressive scan CMOS   | 1/3.2" progressive scan CMOS   | 1/2.5" progressive scan CMOS  |
| <b>Picture Elements</b>          | 2048 (H) x 1536 (V)   | 2560 (H) x 1920 (V)  | 2048 (H) x 1536 (V)  | 2560 (H) x 1920 (V)   |
| <b>Minimum Illumination</b>      | Color   | 0.08 Lux   | 0.08 Lux   | 0.15 Lux  |
|                                  | B/W   | 0.05 Lux   | 0.10 Lux   | 0.10 Lux  |
|                                  | IR ON   | 0 Lux  |  |   |
| <b>Shutter Speed</b>             | Automatic, Manual (1/5 ~ 1/8000 sec)  |  |  |   |
| <b>White Balance</b>             | Auto, Manual (2800K ~ 8500K)  |  |  |   |
| <b>Gain Control</b>              | Automatic   |  |  |   |
| <b>S/N Ratio</b>                 | 47 dB   | 45 dB  | 47 dB  | 45 dB   |
| <b>WDR Pro (with WDR Sensor)</b> | Yes   | N/A  | Yes  | N/A   |
| <b>Dynamic Range</b>             | Up to 100 dB  | Up to 72 dB  | Up to 100 dB   | Up to 72 dB   |
| <b>Operation</b>                 |   |  |  |   |
| <b>Video Compression</b>         | H.264, MJPEG  |  |  |   |
| <b>Video Streaming</b>           | Dual streams from H.264 or MJPEG  |  |  |   |
| <b>Frame Rate</b>                | 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                              | 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         |
| <b>Audio Compression</b>         | G.711, AAC (optional)   |  |  |   |
| <b>Audio Support</b>             | Two-way Audio   |  |  |   |
| <b>Sensor Input</b>              | N/A   |  |  |   |
| <b>Alarm Output</b>              | N/A   |  |  |   |
| <b>Optical Lens</b>              |   |  |  |   |
| <b>Megapixel</b>                 | Yes   |  |  |   |
| <b>Day/Night</b>                 | Yes (with removable IR-cut filter)  |  |  |   |
| <b>Focal Length</b>              | 1.19 mm   | 1.32 mm  | 1.19 mm  | 1.32 mm   |
| <b>Maximum Aperture</b>          | F/2.0   |  |  |   |
| <b>Mount</b>                     | M12, Pitch 0.5 mm   |  |  |   |
| <b>Image Format</b>              | 4.1 mm (image circle)   | 2.5"   | 4.1 mm (image circle)  | 2.5"  |
| <b>Horizontal FOV</b>            | 180°  |  |  |   |
| <b>Operation</b>                 | <b>Focus</b>  | Fixed  |  |   |
|                                  | <b>Iris</b>   | Fixed  |  |   |
|                                  | <b>Zoom</b>   | Fixed  |  |   |
| <b>IR LED Quantity</b>           | 6 IR LEDs   |  |  |   |
| <b>Max. IR Distance</b>          | 10 m (32.81 ft)   |  |  |   |
| <b>Mechanical</b>                |   |  |  |   |
| <b>Temperature Detector</b>      | Yes   |  |  |   |
| <b>Connectors</b>                | <b>Power</b>  | Terminal block (2 pin), PoE  |  |   |
|                                  | <b>Ethernet</b>   | Ethernet (10/100/1000 Base-T), RJ-45 Connector   |  |   |
|                                  | <b>Audio</b>  | 1 In (built-in microphone)<br>1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")              | 1 In (built-in microphone), 1 Out (built-in speaker)                               |   |
|                                  | <b>Digital I/O</b>  | N/A  |  |   |
|                                  | <b>Local Storage</b>  | Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |  |   |
|                                  | <b>USB</b>  | GV-WiFi Adapter or mini USB hard drive   | N/A  |   |
| <b>General</b>                   |   |  |  |   |
| <b>Environment Temperature</b>   | 0 °C ~ 50 °C (32 °F ~ 122 °F)   |  | -30°C ~ 50°C (-22°F ~ 122°F)   |   |
| <b>Humidity</b>                  | 10% to 90% (no condensation)  |  |  |   |
| <b>Power Source</b>              | <b>w/o PoE Converter</b>  | Camera: 12V DC / 24V AC / PoE (IEEE 802.3af)<br>IR LED ring: 12V D                                       |  |   |
|                                  | <b>w/ PoE Converter</b>   | PoE (IEEE 802.3 at)  | N/A  |   |
| <b>Max. Power Consumption</b>    | <b>w/o PoE Converter</b>  | 22 W   | 15.4 W   |   |
|                                  | <b>w/ PoE Converter</b>   | 30 W   | N/A  |   |
| <b>Regulatory</b>                | CE, FCC, RCM, LVD, RoHS compliant   |  |  |   |
| <b>Dimensions</b>                | <b>Camera Body -<br/>Hard-Ceiling Mount<br/>(with IR LED Ring)</b>                | Ø 175 x 48.36 mm (6.89" x 1.93")   |  |   |
|                                  | <b>Weight</b>   | w/o PoE Converter<br>w/ PoE Converter  | 870 g (1.92 lb)  | 960 g (2.12 lb)   |
| <b>Ingress Protection</b>        | N/A   |  |  |   |
| <b>Vandal Resistance</b>         | IK10+ for metal casing  |  |  |   |

**Note:**

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



### Fisheye Camera Specifications (Part 3)






|                                  |                      | GV-FER5700 (Outdoor)  | GV-FER12203 (Outdoor)   | GV-UNFE2503 (Outdoor)   | GV-UNFE2502 (Outdoor)   |
|----------------------------------|----------------------|---|---|---|---|
|                                  |                      |                                        |  |                            |  |
| <b>Camera</b>                    |                      |   |   |   |   |
| <b>Image Sensor</b>              |                      | 1/1.8" progressive scan CMOS  | 1/1.7" progressive scan CMOS  | 1/2.8" progressive scan super low lux CMOS  |   |
| <b>Picture Elements</b>          |                      | 2560 (H) x 2048 (V)   | 4000 (H) x 3000 (V)   | 1920 (H) x 1080 (V)   |   |
| <b>Minimum Illumination</b>      | <b>Color</b>         | 0.04 Lux  | 0.1 Lux   | 0.02 Lux  |   |
|                                  | <b>B/W</b>           | 0.03 Lux  | 0.05 Lux  |   |   |
|                                  |                      | 0 Lux   |   | N/A   |   |
| <b>Shutter Speed</b>             |                      | Automatic, Manual (1/30 ~ 1/16000 sec.)   |   | Automatic, Manual (1/5 ~ 1/8000 sec)  |   |
| <b>White Balance</b>             |                      | Auto, Manual (2800K ~ 8500K)  |   |   |   |
| <b>Gain Control</b>              |                      | Automatic   |   |   |   |
| <b>S/N Ratio</b>                 |                      | 50 dB   |   |   | 52 dB   |
| <b>WDR Pro (with WDR Sensor)</b> |                      | N/A   |   |   |   |
| <b>Dynamic Range</b>             |                      | Up to 72 dB   |   |   |   |
| <b>Operation</b>                 |                      |   |   |   |   |
| <b>Video Compression</b>         |                      | H.265, H.264, MJPEG   |   | H.264, MJPEG  |   |
| <b>Video Streaming</b>           |                      | Triple streams from H.265, H.264 or MJPEG   |   | Dual streams from H.264 or MJPEG  |   |
| <b>Frame Rate</b>                |                      | 30 fps at 2560 x 1920   |   | 15 fps at 4000 x 3000, 25 fps at 2896 x 2768  |   |
| <b>Audio Compression</b>         |                      | G.711, AAC (optional)   |   | AAC 32K   |   |
| <b>Audio Support</b>             |                      | Two-way Audio   |   | One-way Audio   |   |
| <b>Sensor Input</b>              |                      | 1 input (Dry Contact)   |   | N/A   |   |
| <b>Alarm Output</b>              |                      | 1 Digital Output (200mA 5V DC)  |   | N/A   |   |
| <b>Optical Lens</b>              |                      |   |   |   |   |
| <b>Megapixel</b>                 |                      | Yes   |   |   |   |
| <b>Day/Night</b>                 |                      | Yes (with removable IR-cut filter)  |   |   |   |
| <b>Focal Length</b>              |                      | 1.45 mm   | 1.83 mm   | 1.19 mm   |   |
| <b>Maximum Aperture</b>          |                      | F/2.2   | F/2.4   | F/2.0   |   |
| <b>Mount</b>                     |                      | M12   |   |   |   |
| <b>Image Format</b>              |                      | 1/1.8"  | 1/1.7"  | 1/2.3"  |   |
| <b>Horizontal FOV</b>            |                      | 180°  |   |   |   |
| <b>Operation</b>                 | <b>Focus</b>         |   |   |   |   |
|                                  | <b>Iris</b>          | Fixed   |   |   |   |
|                                  | <b>Zoom</b>          |   |   |   |   |
| <b>IR LED Quantity</b>           |                      | 6 IR LEDs   | 6 IR LEDs   | 8 IR LEDs   | N/A   |
| <b>Max. IR Distance</b>          |                      | 30 m (98.43 ft)   | 30 m (98.43 ft)   | 10 m (32.81 ft)   | N/A   |
| <b>Mechanical</b>                |                      |   |   |   |   |
| <b>Temperature Detector</b>      |                      | Yes   |   |   |   |
| <b>Connectors</b>                | <b>Power</b>         | Terminal block (2 pin), PoE   |   |   |   |
|                                  | <b>Ethernet</b>      | Ethernet (10/100 Base-T), RJ-45 Connector   | Ethernet (10/100/1000 Base-T), RJ-45 Connector                                    |   |   |
|                                  | <b>Audio</b>         | 1 In (Using the built-in microphone or externally connecting a microphone)<br>1 Out (Stereo phone jack, 3.5 mm / 0.14") |   | 1 In (built-in microphone)  |   |
|                                  | <b>Digital I/O</b>   | 3-pin terminal block, pitch 2.5 mm (0.1")   |   | N/A   |   |
|                                  | <b>Local Storage</b> | Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)<br>* UHS-II card type is not supported.                                  |   | Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10)<br>* UHS-I and SDXC card types are not supported. |   |
|                                  | <b>USB</b>           | GV-WiFi Adapter or USB hard drive   |   | N/A   |   |
| <b>General</b>                   |                      |   |   |   |   |
| <b>Environment</b>               | <b>Start-Up</b>      | -20°C ~ 50°C (-4°F ~ 122°F)   |   | -5 °C ~ 50 °C (23 °F ~ 122 °F)  |   |
|                                  | <b>Operation</b>     | -30°C ~ 50°C (-22°F ~ 122°F)  |   |   |   |
| <b>Humidity</b>                  |                      | 10% to 90% (no condensation)  |   |   |   |
| <b>Power Source</b>              |                      | 12V DC / PoE+ (IEEE 802.3af)  | 12V DC / 24V AC / PoE+ (IEEE 802.3af)   | PoE (IEEE 802.3af)  |   |
| <b>Max. Power Consumption</b>    |                      | 15.5 W  | 28 W  | 7.7 W   | 4.8 W   |
| <b>Regulatory</b>                |                      | CE, FCC, RCM, LVD, RoHS compliant   |   | CE, FCC, RCM, RoHS compliant  |   |
| <b>Dimensions</b>                |                      | Ø 160.6 x 59.1 mm m (6.32" x 2.33")   |   | <b>Body</b>   | 78.5 x 47.36 x 32.5 mm  |
|                                  |                      |   |   | <b>Lens</b>   | Ø 80.35 x 115.12 mm<br>Ø 65 x 115.12 mm   |
| <b>Weight</b>                    |                      | 700 g (1.54 lb)   |   | 480 g (1.06 lb)   | 401 g (0.88 lb)   |
| <b>Ingress Protection</b>        |                      | IP67  |   | IP67  |   |
| <b>Vandal Resistance</b>         |                      | IK10+ for metal casing  |   | N/A   |   |

**Note:**

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



## IP Speed Dome Camera Specifications (Part 1)






| Camera                    | GV-SD220 (Indoor)   | GV-SD220-S (Outdoor)                               | GV-SD2300 (Outdoor)   | GV-SD2301 (Outdoor)  | GV-SD2411 (Outdoor)   | GV-SD2301 V2 (Outdoor)  | GV-SD2411 V2(Outdoor)   |                                    |
|---------------------------|---|--|---|--|---|---|---|------------------------------------|
|                           | 20X / 30X   | 20X / 30X  |  |   |  |  |  |                                    |
| Image Sensor              | 1/2.8 Progressive Scan CMOS   |  | 1/2.8" Progressive scan super low lux CMOS sensor                                 |  |   | 1/3 Progressive scan low lux CMOS   |   |                                    |
| Picture Elements          | 1920 (H) x 1080 (V)   |  |   |  |   |   |   |                                    |
| Minimum Illumination      | Color   | 0.05 lux   | 0.02 lux  |  |   | 0.05 lux  | 0.5 lux   |                                    |
|                           | B/W   | 0.005 lux  | 0.001 lux   |  |   | 0.002 lux   | 0.1 lux   |                                    |
| Shutter Speed             | 1/1 ~ 1/10000 sec   |  |   |  |   | 1/6 ~ 1/30000 sec   |   |                                    |
| White Balance             | Auto / Manual   |  |   |  |   |   |   |                                    |
| Gain Control              | N/A   |  |   |  |   | Auto / Manual   |   |                                    |
| S/N Ratio                 | 50 dB   |  |   |  |   |   |   |                                    |
| BLC                       | On / Off  |  |   |  |   | N/A   |   |                                    |
| Optical Zoom              | 20x / 30x   |  | 20x   |  | 30x   |   | 20x    30x  |                                    |
| Digital Zoom              | 12x   |  |   |  |   | 32x   |   |                                    |
| WDR Pro (with WDR sensor) | Yes   |  |   |  |   |   |   |                                    |
| Dynamic Range             | Up to 100 dB  |  | Up to 72 dB   |  | Up to 100 dB  |   |   |                                    |
| <b>Operation</b>          |   |  |   |  |   |   |   |                                    |
| Video Compression         | H.264, MJPEG  |  |   |  |   | H.265, H.264, MJPEG   |   |                                    |
| Video Streaming           | Dual Streams  |  |   |  |   |   |   |                                    |
| Frame Rate                | 30/25 fps (60/50 Hz) at 1920 x 1080<br>60/50 fps (60/50 Hz) at 1280 x 720                                   |  |   |  | 60/50 fps (60/50 Hz) at 1920 x 1080   |   | 30/50 fps (60/50 Hz) at 1920 x 1080   |                                    |
| Audio Compression         | G.711, AAC (optional)   |  |   |  |   |   |   |                                    |
| Audio Support             | Two-way Audio   |  |   |  |   |   |   |                                    |
| Sensor Input              | 4   |  | 4 Input (Dry Contact)   |  |   |   |   |                                    |
| Alarm Output              | 1   |  | 1 Digital Output (200mA 5V DC)  |  |   | 1 Digital Output (4A 30V DC / 250V AC)  |   |                                    |
| Pan Travel                | 360° endless  |  |   |  |   |   |   |                                    |
| Tilt Travel               | 0° ~ 180°   |  |   | -20° ~ 200°  |   | -15° ~ 195°   |   |                                    |
| Proportional Pan & Tilt   | On / Off (pan and tilt speed is proportional to the zoom ratio)   |  |   | Auto (Pan and tilt speed proportional to zoom ratio)                               |   |   |   |                                    |
| Movement Speed            | 0.5° ~ 460°/s   |  |   |  |   | 0.1° ~ 460°/s   |   |                                    |
| Presets                   | 255   |  |   |  |   |   |   |                                    |
| Preset Accuracy           | 0.2°  |  |   |  |   |   |   |                                    |
| Sequence                  | Max Number  | 8  |   |  |   |   |   |                                    |
|                           | Max Presets Allowed   | 16   |   |  |   |   |   |                                    |
| Auto Pan                  | 8   |  |   |  |   |   |   |                                    |
| Cruise                    | 4   |  |   |  |   |   |   |                                    |
| Tour                      | 8   |  |   |  |   |   |   |                                    |
| Privacy Mask              | 8   |  | 24  |  |   | 8   |   |                                    |
| Wide Dynamic Range        | On / Off  |  |   |  |   |   |   |                                    |
| <b>Optical Lens</b>       |   |  |   |  |   |   |   |                                    |
| Megapixel                 | Yes   |  |   |  |   |   |   |                                    |
| Day/Night                 | Yes (with removable IR Cut Filter)  |  |   |  |   |   |   |                                    |
| Focal Length              | 4.7 ~ 94.0 mm (20x); 4.3 ~ 129 mm (30x)   |  | 4.7 ~ 94 mm   |  | 4.3 ~ 129 mm  |   | 4.7 ~ 94 mm    4.3 ~ 129 mm   |                                    |
| Maximum Aperture          | F / 1.6   |  |   |  |   |   |   |                                    |
| Operation                 | Focus   | Auto/Manual  |   |  |   |   |   |                                    |
|                           | Zoom  | 20x / 30x  |   | 20x  |   | 30x    20x    30x   |   |                                    |
|                           | Iris  | Auto/Manual  |   |  |   |   |   |                                    |
| <b>Mechanical</b>         |   |  |   |  |   |   |   |                                    |
| Temperature Detector      | Yes   |  |   |  |   |   |   |                                    |
| Connectors                | Power   | DC Jack, PoE                                       |   |  |   |   | DC Jack (DC 24V, 3.75A), PoE++  |                                    |
|                           | Ethernet  | Ethernet (10/100 Base-T), RJ-45 Connector          |   |  |   |   |   |                                    |
|                           | Audio   | 1 in 1 out (RCA female for microphone and speaker) |   |  |   |   |   |                                    |
|                           | Digital I/O   | I/O wires  |   |  |   |   |   |                                    |
| Local Storage             | Micro SD card slot<br>(SD/SDHC, version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported |  |   | SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |   |   |   |                                    |
| <b>General</b>            |   |  |   |  |   |   |   |                                    |
| Environment Temperature   | -10 °C ~ 50 °C (14 °F ~ -122 °F)  |  | -40 °C ~ 50 °C (-40 °F ~ -122 °F)   |  | -40 °C ~ 70 °C (-40 °F ~ 158 °F)  |   | -40 °C ~ 55 °C (-40 °F ~ 131 °F)    -40 °C ~ 50 °C (-40 °F ~ -122 °F)               |                                    |
| Humidity                  | 20% ~ 90% (no condensation)   |  |   |  |   | 10% ~ 90% (no condensation)   |   |                                    |
| Power Source              | 24V AC / 24V DC / PoE (IEEE 802.3at)  |  | 24V AC / 24V DC / High PoE (PoE++, 60 W)  |  | 24V AC / 24V DC / High PoE (PoE++, 50 W)  |   | 24V AC / 24V DC / High PoE (PoE++, 90 W)  |                                    |
| Max. Power Consumption    | 30 W  |  | 60 W (with 30 W heater)   |  | 50 W (with 30 W Heater)   |   | 53.5 W  |                                    |
| Regulatory                | CE, FCC, RCM, RoHS Compliant  |  |   |  |   |   |   |                                    |
| Dimensions                | Camera Body   | ø 172 x 221.9 mm (7" x 8.8")                       |   | ø 220 x 297.75 mm (8.7" x 11.7")   |   | ø 220 x 297.75 mm (8.66" x 11.72")  |   | ø 211.63 x 232 mm (8.332" x 9.13") |
|                           |   | 3.2 kg (7.1 lb)                                    |   | 4.7 kg (10.4 lb)   |   | 3.1 kg (6.82 lb)  |   |                                    |
| Ingress Protection        | IP67  |  |   |  |   |   |   |                                    |
| Vandal Resistance         | -   |  | IK10 for metal and polycarbonate casing   |  |   | IK10 for metal casing   |   |                                    |

**Note:**

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- GV-SD220/220-S starts supporting PoE from November, 2014.
- Product design and specifications are subject to change without notice.




## IP Speed Dome Camera Specifications (Part 2)

| Camera                    | GV-SD2322-IR (Outdoor)  | GV-SD2722-IR (Outdoor)   | GV-SD3732-IR (Outdoor)  | GV-SD2723-IR   | GV-SD2733-IR   |  |
|---------------------------|---|--|---|--|--|--|
|                           |  |           |  |  |       |  |
| Image Sensor              | 1/2.8 Progressive scan low lux CMOS sensor  | 1/1.9 Progressive scan super low lux CMOS sensor   | 1/2.8 Progressive scan low lux CMOS sensor  | 1/3 progressive scan low lux CMOS sensor   |  |  |
| Picture Elements          | 1920 (H) x 1080 (V)   |  | 2048 (H) x 1536 (V)   | 1920 (H) x (1080 (V))  |  |  |
| Minimum Illumination      | Color   | 0.03 lux at F/1.6  | 0.001 Lux at F/1.5  | 0.05 lux at F/1.6  | 0.5 lux at F/1.6   |  |
|                           | B/W   | 0.01 lux at F/1.6  | N/A   | 0.03 lux at F/1.6  | 0.1 lux at F/1.6   |  |
|                           | IR ON   | 0 Lux  |   |  |  |  |
| Shutter Speed             | 1/6 ~ 1/8000 sec.   | 1/6 ~ 1/100000 sec.  | 1/6 ~ 1/8000 sec.   | 1/6 ~ 1/30000 sec.   |  |  |
| White Balance             | Auto / Manual   |  |   | Auto / Manual (2800 ~ 8500K)   |  |  |
| AGC Control               | Auto / Manual   |  |   | Automatic  |  |  |
| S/N Ratio                 | 52 dB   |  | 55 dB   | 50 dB (AGC Off)  |  |  |
| Optical Zoom              | 22x   |  | 33x   | 20x  | 30x  |  |
| Digital Zoom              | Unlimited   |  |   | 32x  |  |  |
| WDR Pro (with WDR sensor) | N/A   | Yes  |   |  |  |  |
| Dynamic Range             | Up to 72 dB   | Up to 120 dB   |   |  |  |  |
| <b>Operation</b>          |   |  |   |  |  |  |
| Video Compression         | H.264, MJPEG  |  | H.265, H.264 or MJPEG   |  |  |  |
| Video Streaming           | Triple streams from H.264 or MJPEG  | Triple streams from H.265, H.264 or MJPEG  |   | Stream 1 from H.265 or H.264<br>Stream 2 from H.265, H.264 or MJPEG                |  |  |
| Frame Rate                | 30/25 fps (60/50 Hz) at 1920 x 1080   | 60 fps (60 / 50 Hz) at 1920 x 1080   | 30 fps (60/ 50 Hz) at 2048 x 1536<br>60 fps (60 / 50 Hz) at 1920 x 1080           | 50Hz: 50 fps at 1920 x 1080<br>60Hz: 30 fps at 1920 x 1080                         |  |  |
| Audio Compression         | G.711   |  |   | G.711, AAC (optional)  |  |  |
| Audio Support             | Two-way Audio (external microphone with power supply and speaker required)        |  |   |  |  |  |
| Sensor Input              | 2 Input   |  |   | 4 Input (dry contact)  |  |  |
| Alarm Output              | 1 Digital Output  |  |   | 1 Digital output (4A 30V DC / 250V AC)   |  |  |
| Pan Travel                |   |  |   | 360° endless   |  |  |
| Tilt Travel               | -15° ~ 195°   |  |   | -20° ~ 200°  |  |  |
| Movement Speed            | 0.1° ~ 240°/s   |  |   | 0.1° ~ 400°/s  |  |  |
| Presets                   | 255   |  |   |  |  |  |
| Preset Accuracy           | 0.2°  | 0.1°   |   |  | 0.2°   |  |
| Auto Pan                  | Yes   |  |   | 8  |  |  |
| Sequence                  | Max Number  |  |   |  | 8  |  |
|                           | Max Presets Allowed   |  |   |  | 16   |  |
| Cruise                    | N/A   |  |   | 4  |  |  |
| Tour                      |   |  |   | 8  |  |  |
| Patrol                    | Max Number  | 16   |   |  | N/A  |  |
|                           | Max Actions Allowed   | 32   |   |  |  |  |
| Privacy Mask              | 24  |  |   | 8  |  |  |
| <b>Optical Lens</b>       |   |  |   |  |  |  |
| Megapixel                 | Yes   |  |   |  |  |  |
| Day/Night                 | Yes (with removable IR Cut Filter)  |  |   |  |  |  |
| Focal Length              | 4.7 ~ 103 mm  | 6.5 ~ 143 mm   | 4.5 ~ 148.5 mm  | 4.7 ~ 94.0 mm  | 4.3 ~ 129 mm   |  |
| Maximum Aperture          | F/ 1.6  | F/ 1.5   |   | F/ 1.6   |  |  |
| Operation                 | Focus   | Auto / Manual  |   |  |  |  |
|                           | Zoom  | 22x  | 33x   | 20x  | 30x  |  |
|                           | Iris  | Auto / Manual  |   |  |  |  |
| IR LED Quantity           | 10 IR LEDs  |  |   | 4 IR LEDs  |  |  |
| Max. IR Distance          | 150 m (492 ft)  | 200 m (656ft)  | 150 m (492 ft)  | 250 m (820 ft)   |  |  |
| <b>Mechanical</b>         |   |  |   |  |  |  |
| Temperature Detector      | N/A   |  |   | Yes  |  |  |
| Connectors                | Power   | 3-pin terminal block (DC 24V, AC 24V, 2.5A)  |   |  | DC Jack (DC 24V, AC 24V), PoE ++   |  |
|                           | Ethernet  | 10/100 Base-T, RJ-45 connector   |   |  |  |  |
|                           | Audio   | 1 in (Audio in wire)<br>1 out (Audio out wire)   |   |  | 1 in (RCA female for microphone)<br>1 out (RCA female for speaker)                       |  |
|                           | Digital I/O   | I/O Wires  |   |  |  |  |
|                           | Local Storage   | Micro SD card slot (SDHC/SDXC, Class 10)<br>*UHS-I and UHS-II card types are not supported |   |  | Micro-SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is not supported. |  |
|                           | TV-Out  | BNC connector  |   |  | N/A  |  |
| <b>General</b>            |   |  |   |  |  |  |
| Environment Temperature   | -40°C ~ 70°C (-40°F ~ 158°F)  |  |   |  |  |  |
| Humidity                  | 20% ~ 90% (no condensation)   |  |   | 10% ~ 90% (no condensation)  |  |  |
| Power Source              | 24V AC / 24V DC   |  |   | 24V AC / 24V DC / High PoE (PoE++, 90 W)   |  |  |
| Max. Power Consumption    | 52.5 W  |  |   | 85 W   |  |  |
| Regulatory                | CE, FCC, RoHS compliant   |  |   | CE, FCC, RCM, RoHS compliant   |  |  |
| Dimensions                | Ø 227 x 359.4 mm (8.94" x 14.15")   |  |   | Ø 201.7 x 293.2 mm (7.94" x 11.54")  |  |  |
| Weight                    | 5.4 kg (11.9 lb)  |  |   | 5.6 kg (12.3 lb)   |  |  |
| Ingress Protection        | IP66  |  |   |  |  |  |
| Vandal Resistance         | IK10 for metal casing   |  |   |  |  |  |





## Pinhole Camera Specifications




|                         |                     | GV-UNP2500  |
|-------------------------|---------------------|---|
|                         |                     |                             |
| <b>Camera</b>           |                     |   |
| Image Sensor            |                     | 1/2.8" progressive scan super low lux CMOS  |
| Picture Elements        |                     | 1920 (H) x 1080 (V)   |
| Minimum Illumination    | Color B/W           | 0.02 Lux  |
| Shutter Speed           |                     | Automatic, Manual (1/5 ~ 1/8000 sec)  |
| White Balance           |                     | Automatic, Manual (2800K ~ 8500K)   |
| Gain Control            |                     | Automatic   |
| S/N Ratio               |                     | 52 dB   |
| WDR                     |                     | Yes   |
| Dynamic Range           |                     | Up to 72 dB   |
| <b>Operation</b>        |                     |   |
| Video Compression       |                     | H.264, MJPEG  |
| Video Streaming         |                     | Dual streams from H.264 or MJPEG  |
| Frame Rate              |                     | 30 fps at 1920 x 1080   |
| Audio Compression       |                     | AAC 32K   |
| Audio Support           |                     | One-way Audio   |
| Sensor Input            |                     | No  |
| Alarm Output            |                     | No  |
| <b>Optical Lens</b>     |                     |   |
| Megapixel               |                     | Yes   |
| Day/Night               |                     | Yes (Electronic)  |
| Iris                    |                     | Fixed   |
| Focal Length            |                     | 3.7 mm  |
| Maximum Aperture        |                     | F/2.8   |
| Mount                   |                     | M12   |
| Image Format            |                     | 1/2.7"  |
| Horizontal FOV          |                     | 84°   |
| Operation               | Focus               | Fixed   |
| Operation               | Zoom                | Fixed   |
| Operation               | Iris                | Fixed   |
| <b>Mechanical</b>       |                     |   |
| Temperature Detector    |                     | Yes   |
| Connectors              | Power               | PoE (IEEE 802.3af)  |
|                         | Ethernet            | RJ-45 connector   |
|                         | Audio               | 1 In (built-in microphone)  |
| Connectors              | Local Storage*      | Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10)<br>* SDXC and UHS-I card types are not supported. |
|                         | Camera Unit Connect | RJ-12   |
| LED Indicator           |                     | 4 LEDs: Link, ACT, Camera Status, RJ-12 Status  |
| <b>General</b>          |                     |   |
| Environment Temperature |                     | -5 °C ~ 50 °C (23 °F ~ 122 °F)  |
| Humidity                |                     | 10% to 90% (no condensation)  |
| Power Source            |                     | PoE (IEEE 802.3af)  |
| Max. Power Consumption  |                     | 4.8 W   |
| Regulatory              |                     | CE, FCC, RCM, RoHS compliant  |
| Dimensions              | Main Base           | 78.5 x 47.36 x 32.5 mm (3.09" x 1.86" x 1.28")  |
|                         | Pinhole Unit        | ∅ 59.93 x 50.14 mm (2.36" x 1.97")  |
| Weight (with rack)      |                     | 210 g (0.46 lb)   |

**Note:**

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




## Panoramic PTZ IP Camera

|                                    |   | GV-PPTZ7300   | GV-PPTZ14021  | GV-PPTZ14031   |
|------------------------------------|---|---|---|--|
|                                    |   |    |  |   |
| <b>Camera</b>                      |   |   |   |  |
| <b>Image Sensor</b>                |   | FE: 1/2.5" progressive scan CMOS<br>SD: 1/2.86" progressive scan CMOS   |   | FE: 1/1.7" progressive scan CMOS<br>SD: 1/3" progressive scan CMOS   |
| <b>Picture Elements</b>            |   | FE: 2560 (H) x 1920 (V); SD: 1920 (H) x 1080 (V)  |   | FE: 4000 (H) x 3000 (V); SD: 1920 (H) x 1080 (V)   |
| <b>Minimum Illumination</b>        | <b>Color</b>  | FE: 0.15 Lux; SD: 0.5 Lux   |   | FE: 0.1 Lux; SD: 0.5 Lux   |
|                                    | <b>B/W</b>  | FE: 0.15 Lux; SD: 0.1 Lux   |   | FE: 0.05 Lux; SD: 0.1 Lux  |
| <b>Shutter Speed</b>               |   | FE: Automatic, Manual (1/5 ~ 1/8000 sec)<br>SD: Automatic, Manual (1/6 ~ 1/60000 sec)   |   | FE: Automatic, Manual (1/25 ~ 1/16000 sec.)<br>SD: Automatic, Manual (1/6 ~ 1/30000 sec.)  |
| <b>White Balance</b>               |   | Automatic, Manual (2800K ~ 8500K)   |   | Automatic, Manual (2800K ~ 8500K)  |
| <b>Gain Control</b>                |   | FE: Automatic; SD: Automatic, Manual  |   | FE: Automatic; SD: Automatic, Manual   |
| <b>S/N Ratio</b>                   |   | FE: 45 dB; SD: 50 dB (AGC Off)  |   | FE: 52 dB; SD: 50 dB (AGC Off)   |
| <b>WDR</b>                         |   | FE: Yes (WDR); SD: Yes (WDR Pro)  |   | FE: N/A; SD: Yes (WDR Pro)   |
| <b>Dynamic Range</b>               |   | FE: Up to 72 dB; SD: Up to 100 dB   |   | FE: Up to 72 dB; SD: Up to 100 dB  |
| <b>Operation</b>                   |   |   |   |  |
| <b>Video Compression</b>           |   | H.264, MJPEG  |   | H.265 (SD Only), H.264, MJPEG  |
| <b>Video Streaming</b>             |   | Dual streams from H.264 or MJPEG  |   | Dual streams from H.265 (SD Only), H.264 or MJPEG  |
| <b>Frame Rate</b>                  |   | FE: 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200<br>SD: 30 fps at 1920 x 1080, 60 fps at 1280 x 720, 640 x 360, 448 x 252 |   | FE: 15 fps at 4000 x 3000, 25 fps at 2896 x 2768 (60/50 Hz)<br>SD: Up to 30 fps at 1920 x 1080 (60 Hz), 50 fps at 1920 x 1080 (50 Hz)              |
| <b>Audio Compression</b>           |   |   | G.711, AAC (optional)   |  |
| <b>Audio Support</b>               |   |   | Two-way Audio   |  |
| <b>Sensor Input</b>                |   |   | 4 Input (Dry Contact)   |  |
| <b>Alarm Output</b>                |   | 1 Digital Output (200 mA 5V DC)   |   | 1 Digital Output (4A 30V DC / 250V AC)   |
| <b>Pan Travel</b>                  |   | 355°  |   | 360°   |
| <b>Tilt Travel</b>                 |   |   | -15° ~ 195°   |  |
| <b>Proportional Pan &amp; Tilt</b> |   |   | Auto (Pan and tilt speed proportional to zoom ratio)                              |  |
| <b>Picture Flip</b>                |   |   | On / Off  |  |
| <b>Sequence</b>                    | <b>Max. Number</b>  |   | 8   |  |
|                                    | <b>Max. Presets</b>   |   | 16  |  |
| <b>Auto Pan</b>                    |   |   | 8   |  |
| <b>Cruise</b>                      |   |   | 4   |  |
| <b>Tour</b>                        | <b>Max. Number</b>  |   | 8   |  |
|                                    | <b>Max. Number of Preset / Sequence / Auto Pan / Cruise</b> |   | 16  |  |
| <b>Privacy Mask</b>                |   |   | 8   |  |
| <b>Wide Dynamic Range</b>          |   |   | On / Off  |  |
| <b>Optical Lens</b>                |   |   |   |  |
| <b>Megapixel</b>                   |   |   | Yes   |  |
| <b>Day/Night</b>                   |   |   | FE: Yes (Electronic);<br>SD: Yes (with removable IR-cut filter)                   |  |
| <b>Focal Length</b>                |   | FE: 1.32 mm; SD: 5.1 ~ 51 mm  | FE: 1.505 mm; SD: 4.7 ~ 94 mm   | FE: 1.505 mm; SD: 4.3 ~ 129 mm   |
| <b>Maximum Aperture</b>            |   |   | FE: F/2.0; SD: F/1.6  |  |
| <b>Horizontal FOV</b>              |   | FE: 180°; SD: 54° ~ 4.9°  | FE: 180°; SD: 55.4° ~ 2.9°  | FE: 180°; SD: 58.9° ~ 2.11°  |
| <b>Operation</b>                   | <b>Focus</b>  |   | FE: Fixed; SD: Auto / Manual  |  |
|                                    | <b>Zoom</b>   | FE: Fixed; SD: 10x  | FE: Fixed; SD: 20x  | FE: Fixed; SD: 30x   |
|                                    | <b>Iris</b>   |   | FE: Fixed; SD: Auto / Manual  |  |
| <b>Mechanical</b>                  |   |   |   |  |
| <b>Temperature Detector</b>        |   |   | Yes   |  |
| <b>Connectors</b>                  | <b>Power</b>  |   | DC Jack, PoE++  |  |
|                                    | <b>Ethernet</b>   |   | Ethernet (10/100 Base-T), RJ-45 Connector   |  |
|                                    | <b>Audio</b>  |   | 1 in (RCA female for microphone); 1 out (RCA female for speaker)                  |  |
|                                    | <b>Digital I/O</b>  |   | I/O wires   |  |
| <b>Local Storage*</b>              |   | 2 micro SD card slots (SD/SDHC, SD version 2.0 only, Class 10)<br>* SDXC and UHS-I card types are not supported.                                    |   | FE: Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>SD: SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>* UHS-II card types are not supported. |
| <b>General</b>                     |   |   |   |  |
| <b>Operating Temperature</b>       |   |   | -40°C ~ 50°C (-40°F ~ 122°F)  |  |
| <b>Heater</b>                      |   | Heater 1 On: 5°C (41°F); Off: 8°C (46.4°F) Heater 2 On: -7°C (19.4°F); Off: -2°C (28.4°F)   |   | Heater 1 On: 15°C (59°F); Off: 18°C (64.4°F) Heater 2 On: 3°C (37.4°F); Off: 8°C (46.4°F)  |
| <b>Fan On</b>                      |   |   | 45°C (113°F)  | > 55°C (149°F), < 15°C (59°F)  |
| <b>Humidity</b>                    |   | 20% to 90% (no condensation)  |   | 10% to 90% (no condensation)   |
| <b>Power Source</b>                |   | DC 24V / AC 24V / High PoE (PoE++, 40 W)  |   | DC 24V / AC 24V / High PoE (PoE++, 53 W)   |
| <b>Max. Power Consumption</b>      |   | 40 W  |   | 57.2 W   |
| <b>Regulatory</b>                  |   |   | CE, FCC, RCM, RoHS compliant  |  |
| <b>Dimensions</b>                  |   | Ø 211.63 x 272.00 mm (8.332" x 10.709")   |   | Ø 211 x 277 mm (8.3" x 10.9")  |
| <b>Weight</b>                      |   | 3.75 kg (8.27 lb)   |   | 3.3 kg (7.27 lb)   |
| <b>Ingress Protection</b>          |   |   | IP67  |  |
| <b>Vandal Resistance</b>           |   | IK10 for metal and polycarbonate casing   |   | IK10 for metal casing  |

Note: Product design and specifications are subject to change without notice.




## Thermal IP Camera

|                                     |                     | GV-TM0100  |
|-------------------------------------|---------------------|--|
|                                     |                     |  |
| <b>Camera</b>                       |                     |  |
| Image Sensor                        |                     | Uncooled FPA Micro bolometer   |
| Picture Elements                    |                     | 352 (H) x 288 (V)  |
| Pixel Size                          |                     | 25 um  |
| Thermal Sensitivity                 |                     | ≤100 mK at f/1,300K  |
| Spectral Range                      |                     | 8 ~ 14 um  |
| Gain Control                        |                     | Auto, Manual   |
| <b>Operation</b>                    |                     |  |
| Video Compression                   |                     | H.264, MJPEG   |
| Video Streaming                     |                     | Single streams from H.264 or MJPEG   |
| Frame Rate                          |                     | 25 fps at 352 x 288  |
| Image Setting                       |                     | Brightness, Contrast   |
| Noise Reduction                     |                     | Yes  |
| Audio Support                       |                     | N/A  |
| <b>Optical Lens</b>                 |                     |  |
| Focal Length                        |                     | 40 mm  |
| Horizontal FOV                      |                     | 13.7°  |
| Operation                           | Focus               | Auto / Manual  |
|                                     | Zoom                | 2x (Digital)   |
|                                     | Iris                | N/A  |
| <b>Observation Range</b>            |                     |  |
| Detection<br>(2 pixels on target)   | Human (1.8 x 0.5 m) | 1450 m (4757 ft)   |
|                                     | Car (2.3 x 2.3 m)   | 1850 m (6070 ft)   |
| Recognition<br>(4 pixels on target) | Human (1.8 x 0.5 m) | 480 m (1575 ft)  |
| Recognition<br>(6 pixels on target) | Car (2.3 x 2.3 m)   | 920 m (3018 ft)  |
| <b>Mechanical</b>                   |                     |  |
| Connectors                          | Power               | 2-pin terminal block, PoE  |
|                                     | Ethernet            | Ethernet (10/100 Base-T), RJ-45 cable  |
|                                     | Audio               | N/A  |
| <b>General</b>                      |                     |  |
| Environment Temperature             |                     | -20°C ~ 40 °C (-4 °F ~ 104 °F)   |
| Humidity                            |                     | 20% to 90% (no condensation)   |
| Power Source                        |                     | 12V DC / PoE (IEEE 802.3af)  |
| Max. Power Consumption              |                     | 10 W   |
| Regulatory                          |                     | CE, FCC, RCM, RoHS compliant   |
| Dimensions                          |                     | 485.5 x 249.48 x 156.99 mm (19.11" x 9.82" x 6.18")                                |
| Weight (with rack)                  |                     | 2.75 kg (6.06 lb)  |

Note: Product design and specifications are subject to change without notice.



## Virtual Reality IP Camera

|                                  |               | GV-VR360   |
|----------------------------------|---------------|--|
|                                  |               |    |
| <b>Camera</b>                    |               |  |
| Image Sensor                     |               | 1/2.9" progressive scan CMOS   |
| Picture Elements                 |               | 3840 (H) x 2160 (V)  |
| Minimum Illumination             | Color         | 0.05 Lux   |
|                                  | B/W           | 0.04 Lux   |
|                                  | IR ON         | 0 Lux  |
| Shutter Speed                    |               | Automatic, Manual (1/5 ~ 1/8000 sec.)  |
| White Balance                    |               | Automatic, Manual  |
| Gain Control                     |               | Automatic  |
| S/N Ratio                        |               | 50 dB  |
| WDR                              |               | Yes  |
| Dynamic Range                    |               | 96 dB  |
| <b>Operation</b>                 |               |  |
| Video Compression                |               | H.265, H.264   |
| Video Streaming                  |               | Stream 1 from H.265 or H.264<br>Stream 2 from H.264  |
| Frame Rate                       |               | 30 fps at 3840 x 2160 (50/60 Hz)<br><i>*The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).</i> |
| Image Setting                    |               | Brightness, Contrast, Saturation, Sharpness, White Balance, Flicker-less, Image Orientation, D/N Sensitivity, WDR, Defog, Metering                                   |
| Audio Compression                |               | G.711, AAC   |
| Audio Support                    |               | One-way Audio  |
| Sensor Input                     |               | 1 Input (Dry Contact)  |
| Alarm Output                     |               | 1 Digital Output (200 mA 5V DC)  |
| <b>Optical Lens</b>              |               |  |
| Megapixel                        |               | Yes  |
| Day/Night                        |               | Yes (with removable IR-cut filter)   |
| Lens Type                        |               | Fixed  |
| Focal Length                     |               | 1.05 mm  |
| Maximum Aperture                 |               | F/2.25   |
| Mount                            |               | M12  |
| Horizontal FOV                   |               | 360°   |
| Operation                        | Focus         | Fixed  |
|                                  | Zoom          | Fixed  |
|                                  | Iris          | Fixed  |
| IR LED Quantity                  |               | 4 IR LEDs  |
| Max. IR Distance                 |               | 10 m (32 ft)   |
| <b>Video Resolution</b>          |               |  |
| Main Stream                      |               | 3840 x 2160 (Default), 2560 x 1440, 1920 x 1080, 1280 x 720  |
| Sub Stream                       | 16:9          | Closed (Default), 3840 x 2160, 2560 x 1440, 1920 x 1080, 1280 x 720  |
| <b>Network</b>                   |               |  |
| Interface                        |               | 10/100 Ethernet  |
| Protocol                         |               | DHCP, DNS, DynDNS, HTTP, HTTPS, IPv4, NTP, ONVIF (Profile S), RTSP, SMTP, TCP/IP, UDP  |
| <b>Mechanical</b>                |               |  |
| Temperature Detector             |               | N/A  |
| Connectors                       | Power         | DC 12V, 1.25A, DC Jack / PoE   |
|                                  | Ethernet      | 10/100 Base-T, RJ-45 Connector   |
|                                  | Audio         | 1 in (built-in or external microphone)   |
|                                  | Digital I/O   | I/O wires  |
|                                  | Local Storage | N/A  |
| <b>General</b>                   |               |  |
| Environment                      | Start-up      | -20°C ~ 50°C (-4°F ~ 122°F)  |
| Temperature                      | Operation     | -30°C ~ 50°C (-22°F ~ 122°F)   |
| Humidity                         |               | 10% ~ 90% (no condensation)  |
| Power Source                     |               | DC 12V / PoE (PoE+, IEEE 802.3at)  |
| Max. Power Consumption           |               | 12 W   |
| Regulatory                       |               | CE, FCC, LVD, RCM compliant  |
| Dimensions (Straight Tube Mount) |               | Ø 164 x 64 x 45.2 mm (6.46" x 2.52" x 1.78")   |
| Weight                           |               | 0.58 kg (1.28 lb)  |
| Ingress Protection               |               | IP67   |
| Vandal Resistance                |               | IK10 for metal casing  |

- Note:**
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
  - H.265 video codec is not supported for YouTube streaming.
  - Product design and specifications are subject to change without notice.