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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) *SDXC and UHS-I card types are not supported			
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)			
<b>LED Indicator</b>	<b>Mini USB</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 streams			
<b>Frame Rate</b>		30 fps at 1920 x 1080				20 fps at 2048 x 1536 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		P-Iris	
<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) *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)	
<b>Note:</b>													
1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).													
2. 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.													
3. <b>Memory card slot (local storage) is not supported in Argentina.</b>													
4. 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						Dual streams	
<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 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)	
	<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) 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) *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)						12V DC / 24V AC / PoE (IEEE 802.3af)	
<b>Max. Power Consumption</b>	4.16 W		12V DC, 4.23 W		12V DC, 4.37 W		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 (4.72" x 2.96" x 2.13") With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")	
<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) *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
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") 1 m (39.4")		
<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>		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) 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) *SDXC and UHS-I card types are not supported				Micro SD card slot (SD/SDHC/SDXC, Class 10) *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>	<b>Color</b>	0.05 Lux	0.08 Lux	0.15 Lux
	<b>B/W</b>	0.03 Lux	0.05 Lux	0.10 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	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 Adjustment</b>	<b>Pan</b>		0° ~ 360°	
	<b>Tilt</b>		90° ~ 180°	
	<b>Rotate</b>		0° ~ 360°	
<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>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:

- 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 3)







	GV-BL1501	GV-BL2501	GV-BL3401	GV-BL2702	GV-BL4702	GV-BL2511-E	GV-BL5311-E		
									
<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	1/2.8" 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		
<b>Picture Elements</b>	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)		
<b>Minimum Illumination</b>	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.005 Lux	0.03 Lux	0.15 Lux		
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.004 Lux	0.02 Lux	0.10 Lux		
	IR ON								
<b>Shutter Speed</b>	Auto, Manual (1/5 ~ 1/8000sec)			Automatic, Manual (1/5 ~ 1/16000 sec)		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	52 dB	47 dB	56 dB	50 dB	52 dB	45 dB		
<b>WDR Pro (with WDR sensor)</b>	N/A	N/A	Yes	Yes	Yes	N/A	N/A		
<b>Dynamic Range</b>	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>									
<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	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		
<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>	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				
<b>Maximum Aperture</b>	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				
<b>Mount</b>	Ø14 mm								
<b>Image Format</b>	1/2.7"								
<b>Horizontal FOV</b>	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°				
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)				Auto Focus			
	<b>Zoom</b>	Manual (w/lock)				3X Optical Zoom		2X Optical Zoom	
	<b>Iris</b>	P-Iris							
<b>IR LED Quantity</b>	16 IR LEDs			5 IR LEDs		16 IR LEDs			
<b>Max. IR Distance</b>	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>									
<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				2-pin terminal block			
	<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)		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>									
<b>Environment</b>	<b>Start-up</b>	-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)	
	<b>Operation</b>			-30 °C ~ 60 °C (-22 °F ~ 140 °F)		-30 °C ~ 60 °C (-22 °F ~ 140 °F)			
<b>Humidity</b>	10% to 90% (no condensation)								
<b>Power Source</b>	12V DC / 24V AC / PoE (IEEE802.3af)					12V DC / 24V AC			
<b>Max. Power Consumption</b>	7.68 W	8 W	7.2 W	12.3 W		34 W	33.2 W		
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant								
<b>Dimensions</b>	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")			
<b>Weight</b>	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) *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.		
<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						

### 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) *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) - GV-VD120D - GV-VD121D (IK7, Transparent Cover) - GV-VD122D - GV-VD123D	(IK10+, Transparent Cover) GV-VD220D GV-VD221D (IK7, Transparent Cover) - GV-VD222D - GV-VD223D	(IK10+, Transparent Cover) - GV-VD320D - GV-VD321D (IK7, Transparent Cover) - GV-VD322D - GV-VD323D	GV-VD1500 (IK10+, Transparent Cover)	GV-VD2400 (IK10+, Transparent Cover)	GV-VD2500 (IK10+, Transparent Cover)	GV-VD3400 (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"			1/2.7"				
<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) *SDXC and UHS-I card types are not supported			
LED Indicator	TV-Out	BNC connector (640 x 480 resolution)			
<b>LED Indicator</b>					
<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
	<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 (1/5 ~ 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>		Triple streams				Triple streams
<b>Frame Rate</b>		30 fps at 2048 x 1536		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 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) 1 Out (terminal block for speaker)		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)		1 In (built-in or external microphone with power supply); 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) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *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>		N/A				
<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		IP67		IP66
<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	1/3.2" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (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>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) *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					
<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 802.3af)			12V DC / PoE (IEEE 802.3af)		12V DC / 24V AC / PoE (IEEE 802.3af)
<b>Max. Power Consumption</b>		22.48 W			8.64 W	8.16 W	22.48 W
<b>Regulatory Dimensions</b>		CE, FCC, RCM, RoHS compliant ø176.5 x 118 mm (6.9" x 4.6")			CE, FCC, RCM, LVD, RoHS compliant ø160 x 108.4 mm (6.2" x 4.27")		CE, FCC, RCM, RoHS compliant 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	Triple streams		Dual streams		
<b>Frame Rate</b>	10 fps at 2560 x 1920	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 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°	
	Auto Focus					
<b>Operation</b>						
<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</b>	<b>Pan</b>	-90° ~ 90°				
<b>Angle</b>	<b>Tilt</b>	0° ~ 85°				
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°				
<b>3-axis Mechanism</b>	Yes					
<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			Constantly on		
<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
	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") 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) *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.



## 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>	Color	0.01 Lux	0.08 Lux
	B/W	0.01 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>	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") 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) *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>							
<b>Image Sensor</b>	1/2.5" progressive scan 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)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux					
	<b>B/W</b>	0.10 Lux					
	<b>IR ON</b>	N/A					
	<b>White Illumination LED</b>	N/A		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	30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080	
<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>	3.35 mm						
<b>Maximum Aperture</b>	F/2.4						
<b>Mount</b>	M12 mm						
<b>Image Format</b>	1/3"						
<b>Horizontal FOV</b>	67°	77°	67°	77°	67°	77°	
<b>Operation</b>	<b>Focus</b>	Fixed					
	<b>Zoom</b>	Fixed					
	<b>Iris</b>	Fixed					
<b>Mechanical</b>							
<b>Connectors</b>	<b>Power</b>	DC Jack		DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220)			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector					
	<b>Audio</b>	Built-in microphone and speaker					
	<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>LED Indicator</b>	2 LEDs: Status, LAN		4 LEDs: Status x 3, LAN/WiFi				
<b>PIR Sensor</b>	N/A		Built-in				
<b>White Illumination LED</b>	N/A		Yes				
<b>Max. PIR / White Illumination LED Distance</b>	N/A		5 m (16.4 ft)				
<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>	5V DC		5V DC and PoE		5V DC		
<b>Max. Power Consumption</b>	3.2 W		7 W		6 W		
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant						
<b>Dimensions (LxWxH)</b>	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")			
<b>Weight</b>	80 g (0.18 lb)			100 g (0.2 lb)			

**Note:**

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- For GV-CAW120 / CAW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
- 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-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	MFD2401-2F	8 mm	MFD2501-1F	4 mm	MFD3401-2F	8 mm	MFD5301-2F	8 mm			
	MFD1501-2F	8 mm	MFD2401-3F	12 mm	MFD2501-2F	8 mm	MFD3401-3F	12 mm	MFD5301-3F	12 mm			
	MFD1501-3F	12 mm	MFD2401-4F	2.1 mm	MFD2501-3F	12 mm	MFD3401-5F	3.8 mm	MFD5301-5F	3.8 mm			
	MFD1501-4F	2.1 mm	MFD2401-5F	3.8 mm	MFD2501-5F	3.8 mm	MFD3401-6F	2.3 mm	MFD5301-5F	3.8 mm			
MFD1501-5F	3.8 mm	MFD2501-6F			2.3 mm								
<b>Maximum Aperture</b>	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	MFD2401-2F	F/1.6	MFD2501-1F	F/1.5	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6			
	MFD1501-2F	F/1.6	MFD2401-3F	F/1.6	MFD2501-2F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6			
	MFD1501-3F	F/1.6	MFD2401-4F	F/1.8	MFD2501-3F	F/1.6	MFD3401-5F	F/1.8	MFD5301-5F	F/1.8			
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2					
MFD1501-5F	F/1.8	MFD2501-6F			F/2.2								
<b>Mount</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°	MFD2401-2F	31°	MFD2501-1F	72°	MFD3401-2F	33°	MFD5301-2F	41°			
	MFD1501-2F	35°	MFD2401-3F	20°	MFD2501-2F	38°	MFD3401-3F	21°	MFD5301-3F	26°			
	MFD1501-3F	22°	MFD2401-4F	112°	MFD2501-3F	25°	MFD3401-5F	63°	MFD5301-5F	76°			
	MFD1501-4F	124°	MFD2401-5F	60°	MFD2501-5F	72°	MFD3401-6F	105°					
MFD1501-5F	64°	MFD2501-6F			122°								
<b>Operation</b>	<b>Focus</b>	Fixed											
	<b>Zoom</b>												
	<b>Iris</b>												
<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) *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>		Triple streams			
<b>Frame Rate</b>	50 Hz: 25 fps at 1920 x 1080				20 fps at 2592 x 1520
	60 Hz: 30 fps at 1920 x 1080				24 fps at 2560 x 1440
					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 Adjustment</b>	<b>Pan</b>	-45° ~ 45°			
	<b>Tilt</b>	0° ~ 70°			
	<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) 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) *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:

- 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 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) *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") Waterproof: ø 27 mm (1.06") 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:

- 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.



## 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		96°		GV-EBL2702-3F		100°	
<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) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II /SDXC card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *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	GV-ABL4701	GV-ABL2702	GV-ABL4712	GV-ABL8712	
							
<b>Camera</b>							
<b>Image Sensor</b>		1/2.7" 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)	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 25 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 1920 x 1080	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	15 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 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>		4.0 mm			2.8~12 mm		
<b>Maximum Aperture</b>		F/1.8			F/1.4		
<b>Mount</b>		M12			Ø14 mm		
<b>Image Format</b>		N/A		1/2.9"	1/2"		
<b>Horizontal FOV</b>		80.8°	78°	92° ~ 34°	27°~91°	114.8° ~ 47.3°	
<b>Operation</b>	<b>Focus</b>			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)		
<b>Mechanical</b>							
<b>Camera Angle Adjustment</b>	<b>Pan</b>						
	<b>Tilt</b>	N/A			Fixed		
	<b>Rotate</b>						
<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) 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) * 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 x 62.4 x 62.7 mm (6.4" x 2.5" x 2.5")		253.4 x 86 x 71.1 mm (9.98" x 3.4" x 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		Dual streams	
<b>Frame Rate</b>		30 fps at 1280 x 1024		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 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) *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 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080		25 fps at 1920 x 1080	20 fps at 2592 x 1520 25 fps at 2560 x 1440 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		3.8 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	F/1.8	
	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	GV-EDR4700-2F / EDR2700-2F		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°	N/A		
	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	GV-EDR4700-2F	72°	GV-EDR2700-2F	73°	105.2°	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) *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 Temperature</b>	<b>Start-up</b>	-20°C ~ 50°C (-4°F ~ 122°F)								-30°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% ~ 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		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 25 fps at 2560 x 1440 30 fps at 2048 x 1520		15 fps at 3840 x 2160, 30 fps at 2944 x 1656 / 2592 x 1944 / 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") 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) *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	IP66	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>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, 25 fps at 2560 x 1440 30 fps at 2048 x 1520	15 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 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") 1 Out (stereo phone jack, 3.5 mm / 0.14")			1 in (Audio In Wire) 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) *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>		Triple streams	
<b>Frame Rate</b>		50Hz: 25 fps at 2048 x 1536, 25 fps at 1440 x 1376 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>	<b>Power</b>	2-pin terminal block, PoE	2-pin terminal block
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45	
	<b>Audio</b>	1 In (Externally connecting a microphone, 3.5 mm / 0.14")	
		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/SDXC/UHS-I, Class 10) *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 Temperature</b>	<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 / 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 m (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)		
		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) *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			
<b>Frame Rate</b>		15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200
<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) 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) *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			
<b>Frame Rate</b>	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200
<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) 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) *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) 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 - Hard-Ceiling Mount (with IR LED Ring)</b>	Ø 175 x 48.36 mm (6.89" x 1.93")		
	<b>Weight</b>	w/o PoE Converter 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			
	<b>IR ON</b>	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		Dual streams		
<b>Frame Rate</b>		30 fps at 2560 x 1920	15 fps at 4000 x 3000, 25 fps at 2896 x 2768		30 fps at 1920 x 1080	
<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)				
<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) 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) * UHS-II card type is not supported.			Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * 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 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				
<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)
	20X / 30X		20X / 30X				
							
Image Sensor	1/2.8 Progressive Scan CMOS				1/2.8" progressive scan super low lux CMOS sensor	1/2.8 Progressive scan super low lux CMOS sensor	1/2.8" Progressive scan super low lux CMOS sensor
Picture Elements	1920 (H) x 1080 (V)						
Minimum Illumination	0.05 lux at F/1.6		0.005 lux at F/1.6		0.02 lux at F/1.6		0.05 lux at F/1.6
	Color		B/W		0.001 lux at F/1.6		0.002 lux at F/1.6
Shutter Speed	1/1 ~ 1/10000 sec						
White Balance	Auto / Manual						
AGC Control	Auto / Manual						
S/N Ratio	50 dB						
BLC	On / Off						
Optical Zoom	20x / 30x				20x		30x
Digital Zoom	12x						
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						
Video Streaming	Dual Streams						
Frame Rate	30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720					60/50 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)		
Pan Travel	360° endless						
Tilt Travel	0° ~ 180°				-20° ~ 200°		
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						
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
Maximum Aperture	F / 1.6						
Operation	Focus				Auto/Manual		
	Zoom		20x / 30x		20x		30x
	Iris				Auto/Manual		
<b>Mechanical</b>							
Temperature Detector	Yes						
Power	DC Jack, 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 (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					SD card slot (SDHC/SDXC/UHS-I, Class 10) *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)
Humidity	20% ~ 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)		
Max. Power Consumption	30 W		60 W (with 30 W heater)		50 W (with 30 W Heater)		
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 (8.66" x 11.72")		ø 211.63 x 232 mm (8.332" x 9.13")
Weight	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						

**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-SD3732-IR (Outdoor)	GV-SD2723-IR	GV-SD2733-IR
				
Image 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	0.05 lux at F/1.6	0.5 lux at F/1.6
	B/W	0.01 lux at F/1.6	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 ~ 1/30000 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		Dual streams	
Frame Rate	30/25 fps (60/50 Hz) at 1920 x 1080	30 fps (60 / 50 Hz) at 2048 x 1536 60 fps (60 / 50 Hz) at 1920 x 1080	50Hz: 50 fps at 1920 x 1080 60Hz: 30 fps at 1920 x 1080	
Audio Compression	G.711		G.711, AAC (optional)	
Audio Support			Two-way Audio	
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	16	8	
	Max Presets Allowed	32	16	
Cruise	16		4	
Tour (Patrol)	16		8	
Privacy Mask	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 ~ 103 mm	4.5 ~ 148.5 mm	4.7 ~ 94.0 mm	4.3 ~ 129 mm
Maximum Aperture			F/ 1.6	
Operation	Focus			Auto / Manual
	Zoom	22x	33x	20x
	Iris			Auto / Manual
IR LED Quantity	10 IR LEDs		4 IR LEDs	
Max. IR Distance	150 m (492 ft)		250 m (820 ft)	
<b>Mechanical</b>				
Temperature Detector	N/A		Yes	
Connectors	Power	3-pin terminal block		DC Jack (DC 24V, AC 24V), PoE ++
	Ethernet			10/100 Base-T, RJ-45 connector
	Audio	1 in (Audio in wire) 1 out (Audio out wire)		1 in (RCA female for microphone) 1 out (RCA female for speaker)
	Digital I/O			I/O Wires
	Local Storage	Micro SD card slot (SDHC/SDXC, Class 10) *UHS-I and UHS-II card types are not supported		Micro-SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *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	Camera Body 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	


**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.





## 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
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) * 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 SD: 1/2.86" progressive scan CMOS	FE: 1/1.7" progressive scan CMOS 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) SD: Automatic, Manual (1/6 ~ 1/60000 sec)	FE: Automatic, Manual (1/25 ~ 1/16000 sec.) 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	Dual streams	
<b>Frame Rate</b>		FE: 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 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) 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); 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) * SDXC and UHS-I card types are not supported.	FE: Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) SD: SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * 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 stream
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 (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 (4 pixels on target)	Human (1.8 x 0.5 m)	480 m (1575 ft)
Recognition (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

		<b>GV-VR360</b>
		
<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		Dual streams
Frame Rate		30 fps at 3840 x 2160 (50/60 Hz)
*The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).		
Image Setting		Brightness, Contrast, Saturation, Sharpness, 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	16:9	3840 x 2160 (Default), 2560 x 1440, 1920 x 1080, 1280 x 720
Sub Stream		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 Temperature	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
	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)		∅ 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.
  - Audio for YouTube streaming requires AAC audio codec (optional).
  - Product design and specifications are subject to change without notice.