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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>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>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 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>Product design and specifications are subject to change without notice.</li> <li>The frame rat 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> </ol>				<ol style="list-style-type: none"> <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> </ol>






## Box Camera Specifications (Part 2)

		GV-BX2400 Series				GV-BX3400 Series					
		GV-BX2400-0F/1F /2F		GV-BX2400-3V~4V		GV-BX3400-8F		GV-BX3400-3V			
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens			
											
<b>Camera</b>											
<b>Image Sensor</b>		1/3.2" progressive scan CMOS									
<b>Picture Elements</b>		1920 (H) x 1080 (V)				2048 (H) x 1536 (V)					
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux									
	<b>B/W</b>	0.05 Lux									
	<b>IR ON</b>	0 Lux									
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)									
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)									
<b>Gain Control</b>		Automatic									
<b>S/N Ratio</b>		47 dB									
<b>WDR Pro (with WDR Sensor)</b>		Yes									
<b>Dynamic Range</b>		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 1920 x 1080				20 fps at 2048 x 1536 30 fps at 1920 x 1080					
<b>Audio Compression</b>		G.711, AAC (optional)									
<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			
<b>Focal Length</b>	BX2400-0F	4 mm		BX2400-3V	2.8 ~ 12 mm		2.8 mm		3 ~ 10.5 mm		
	BX2400-1F	8 mm			3 ~ 10.5 mm						
	BX2400-2F	12 mm		BX2400-4V	F/1.4		F/1.8		F/1.4		
<b>Maximum Aperture</b>	BX2400-0F	F/1.5		BX2400-3V		F/1.4		F/1.8		F/1.4	
	BX2400-1F	F/1.6		BX2400-4V		F/1.4		F/1.8		F/1.4	
	BX2400-2F	F/1.6		BX2400-4V		F/1.4		F/1.8		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"		
	BX2400-1F	1/2.5"		BX2400-4V		1/2.7"		1/2.5"		1/2.7"	
	BX2400-2F	1/2.5"		BX2400-4V		1/2.7"		1/2.5"		1/2.7"	
<b>Horizontal FOV</b>	BX2400-1F	32°		BX2400-3V	77° ~ 28°		88°		78° ~ 28°		
	BX2400-2F	21°		BX2400-4V	73° ~ 27°		88°		78° ~ 28°		
	BX2400-0F	32°		BX2400-3V	77° ~ 28°		88°		78° ~ 28°		
<b>Operation</b>	<b>Focus</b>	Manual w/lock									
	<b>Zoom</b>	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)			
	<b>Iris</b>	Fixed		DC drive		Fixed		P-Iris			
<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")									
	<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 (SDHC/SDXC/UHS-I, Class 10)									
	<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 Class 3)									
<b>Max. Power Consumption</b>		9.5 W				9.5 W				7.12 W	
<b>Regulatory</b>		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									
<b>Weight</b>		300 g (0.66 lb)									
<b>Note:</b>					5. Mind the following limitations and requirements for the mini USB port:						
1. Product design and specifications are subject to change without notice.					• The USB hard drive must be of 2.5" or 3.5", version 2.0 or above						
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).					• The USB hard drive's storage capacity must not exceed 2TB						
3. The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480.					• USB flash drives and USB hubs are not supported						
4. Memory card slot (local storage) is not supported in Argentina.					• External power supply is required for the USB hard drive						
					To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.						



### Box Camera Specifications (Part 3)




		GV-BX5300 Series		GV-BX12201
		GV-BX5300-8F Fixed Lens	GV-BX5300-6V Varifocal Lens	
				
<b>Camera</b>				
Image Sensor	1/2.5" progressive scan CMOS		1/1.7" progressive scan CMOS	
Picture Elements	2560 (H) x 1920 (V)		4000 (H) x 3000 (V)	
Minimum Illumination	Color	0.15 Lux		0.1 Lux
	B/W	0.10 Lux		0.05 Lux
	IR ON	0 Lux		
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)		Automatic, Manual (1/30 ~ 1/16000 sec)	
White Balance	Auto, Manual (2800K ~ 8500K)		Automatic, Manual (2800 ~ 8500K)	
Gain Control			Automatic	
S/N Ratio	45 dB		52 dB	
WDR Pro (with WDR sensor)	N/A		N/A	
Dynamic Range			Up to 72 dB	
<b>Operation</b>				
Video Compression			H.264, MJPEG	
Video Streaming	Dual Stream		Dual streams from H.264 or MJPEG	
Frame Rate	10 fps at 2560 x 1920		15 fps at 4000 x 3000 30 fps at 3840 x 2160	
Audio Compression			G.711, AAC (optional)	
Sensor Input			1 Input (Dry Contact)	
Alarm Output			1 Digital Output (200mA 5V DC)	
<b>Optical Lens</b>				
Megapixel			Yes	
Day/Night			Yes (with removable IR-cut filter)	
Lens Type	Fixed Lens			Varifocal Lens
Focal Length	2.8 mm	3.3 ~ 10.5 mm		4.1 ~ 9 mm
Maximum Aperture	F/1.8	F/1.4		F/1.6
Mount		CS Mount		
Image Format	1/2.5"	1/2.5"		1/1.8"
Horizontal FOV	112°	84° ~ 35°		109° ~ 50°
Operation	Focus	Manual (w/lock)		
	Zoom	Fixed	Manual (w/lock)	
	Iris	Fixed	P-Iris	
Mechanical	Temperature Detector	Yes		
	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100/1000 Base-T), RJ-45 Connector		
Connectors	Audio	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)		
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")		
	Auto Iris	Not functional	Yes (with varifocal lens)	
	Local Storage*	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card types are not supported. <b>*Currently, the local storage function is not supported for GV-BX12201</b>		
	TV-Out	BNC connector (640 x 480 resolution)		
Mini USB	GV-WiFi Adapter or USB hard drive		GV-WiFi Adapter	
<b>LED Indicator</b>				
General			2 LEDs: Power, Status	
Environment Temperature			0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption	9.5 W	6.77 W		6 W
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions	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")	
Weight	321 g (0.71 lb)	300 g (0.66 lb)		545 g / 1.2 lb

**Note:**

- Product design and specifications are subject to change without notice.
- 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.



## 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>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</b>							
<b>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:**

- Product design and specifications are subject to change without notice.
- 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.









## IR Arctic Box Camera Specifications

		GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX5300	GV-BX2510-E	GV-BX5310-E
							
<b>Camera</b>							
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS	1/2.8" progressive scan super 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)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux		0.08 Lux		0.15 Lux	0.02 Lux
	<b>B/W</b>	0.01 Lux		0.05 Lux		0.10 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	47 dB		45 dB	52 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	30 fps at 1920 x 1080	20 fps at 2048 x 1536	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>Sensor Input</b>		N/A				1 input (Dry Contact)	
<b>Alarm Output</b>		N/A				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 ~ 10.5 mm			4.5 ~ 10 mm	3.7 ~ 9 mm	4.5 ~ 9 mm
<b>Maximum Aperture</b>		F/1.4			F/1.6	F/1.2	
<b>Mount</b>		CS Mount				Ø14 mm	
<b>Image Format</b>		1/2.7"			1/2"	1/2.7"	
<b>Horizontal FOV</b>		81° ~ 29°	73° ~ 27°	78° ~ 28°	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	
<b>IR LED Quantity</b>		P-Iris	DC drive	P-Iris	Manual (w/lock)		P-Iris
<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>	-40 °C ~ 50 °C (-40°F ~ 122°F)					
<b>Humidity</b>		10% to 90% (no condensation)					
<b>Power Source</b>		PoE (IEEE 802.3 at)				DC 48V, PoE++ (50W)	
<b>Max. Power Consumption</b>		20 W	23 W		21.6 W	50 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant					
<b>Dimensions (L X W X H) (Without lens)</b>		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")	<b>Camera Body</b>	406 x 145 x 109.5 mm (16" x 5.7" x 4.3")
						<b>Cable Length</b>	1 m (39.4")
<b>Weight</b>		3.2 Kg (7.1 lb)					
<b>Ingress Protection</b>		IP67					
<b>Vandal Resistance</b>		IK10 for metal casing					
<b>Heater On</b>		-40°C ~ 8°C (-40°F ~ 46.4°F)				On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)	
<b>Fan</b>		Constantly on					

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



## 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					
<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)				G.711	
<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 ~ 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"				1/1.8"	
<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 Angle</b>	<b>Pan</b>	0° ~ 360°					
	<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					
	<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 (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)	
	<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:**

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- Memory card slot (local storage) is not supported in Argentina.





## 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>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:**

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3. Memory card slot (local storage) is not supported in Argentina.



## Bullet Camera Specifications (Part 3)





		GV-BL1501	GV-BL2501	GV-BL3401	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	1/2.5" 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)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.02 Lux	0.15 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.02 Lux	0.10 Lux
	IR ON	0 Lux				
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000sec)				
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				
<b>Gain Control</b>		Automatic				
<b>S/N Ratio</b>		55 dB	52 dB	47 dB	52 dB	45 dB
<b>WDR Pro (with WDR sensor)</b>		N/A	N/A	Yes	N/A	N/A
<b>Dynamic Range</b>		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 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	30 fps at 1920 x 1080	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711, AAC (optional)				
<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				
<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°	103° ~ 36°	70° ~ 39°
<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				
<b>Max. IR Distance</b>		70 m (230 ft)	50 m (164 ft)		50 m (164 ft)	40 m (131 ft)
<b>Mechanical</b>						
<b>Camera Angle</b>	<b>Pan</b>	0° ~ 360°				
	<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)			*SDXC and UHS-I card types are not supported	
<b>General</b>						
<b>Environment Temperature</b>		-30 °C ~ 50 °C (-22 °F ~ 122 °F)			-40°C ~ 50°C (-40 °F ~ 122 °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	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")			355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")	
<b>Weight</b>		1.91 kg (4.21 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				

**Note:**

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## Bullet Camera Specifications (Part 4)







		GV-BL1511	GV-BL2511	GV-BL3411	GV-BL5311
					
<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 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	<b>B/W</b>	0.01 Lux	0.02 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>		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>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>		90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 39°
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	3X Optical Zoom			2X Optical Zoom
	<b>Iris</b>	P-Iris			
<b>IR LED Quantity</b>		16 IR LEDs			
<b>Max. IR Distance</b>		70 m (230 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>Temperature Detector</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				
<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
<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")			
<b>Weight</b>		1.96 Kg (4.32 lb)			
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		IK10 for metal casing			

### Note:

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## 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	0.15 Lux	0.08 Lux			
	<b>B/W</b>	0.03 Lux	0.05 Lux	0.05 Lux	0.10 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>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>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:**

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



## Vandal Proof Dome Specifications (Part 1)







	(IK10+, Transparent Cover) - 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>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>	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 Angle</b>	Pan 0° ~ 350°						
<b>Adjustment</b>	Tilt 10° ~ 90°						
<b>Temperature Detector</b>	Rotate 0° ~ 340°						
<b>Connectors</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 (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:**

- Product design and specifications are subject to change without notice.
- 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.



## Vandal Proof Dome Specifications (Part 2)





		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430	GV-VD3700	GV-VD5700
							
<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)	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 ~ 1/8000 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	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					
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	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)				G.711	
<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>		3 ~ 9 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				P-Iris	
<b>IR LED Quantity</b>		6 IR High Power LEDs				12 IR LEDs	
<b>Max. IR Distance</b>		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)	30 m (98.4 ft)	
<b>Mechanical</b>							
<b>Camera Angle</b>	<b>Pan</b>	-90° ~ 90°				0° ~ 360°	
	<b>Tilt</b>	0° ~ 85°				90° ~ 180°	
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°				0° ~ 355°	
	<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)				1 In (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)	
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")				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>TV-Out</b>		BNC connector (640 x 480 resolution)				N/A	
<b>LED Indicator</b>		2 LEDs: Power, Status				N/A	
<b>General</b>							
<b>Environment</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 / 24V AC / PoE (IEEE 802.3at)				12V DC / PoE (IEEE 802.3af)	
<b>Max. Power Consumption</b>		15.4 W				12.6 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant					
<b>Dimensions</b>		ø176.5 x 118 mm (6.9" x 4.6")				ø 150.3 x 105.5 mm (5.92" x 4.15")	
<b>Weight</b>		1.76 kg (3.88 lb)				800 g (1.76 lb)	
<b>Ingress Protection</b>		IP67					
<b>Vandal Resistance</b>		IK10+					

### Note:

- Product design and specifications are subject to change without notice.
- 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.



### Vandal Proof Dome Specifications (Part 3)




		GV-VD1540	GV-VD2440	GV-VD2540	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	1/3.2" 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)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	<b>B/W</b>	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	<b>IR ON</b>	0 Lux			
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		55 dB	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	30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio Compression</b>		G.711, AAC (optional)			
<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			
<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°	82° ~ 30°	103° ~ 36°	86° ~ 31°
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	3x Optical Zoom			
	<b>Iris</b>	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)	20 m (65.6 ft)
<b>Mechanical</b>					
<b>Camera Angle</b>	<b>Pan</b>	-90° ~ 90°			
	<b>Tilt</b>	0° ~ 85°			
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°			
	<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 (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>	<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>		-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE 802.3at)			
<b>Max. Power Consumption</b>		22.48 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:**

- Product design and specifications are subject to change without notice.
- 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.



## Vandal Proof Dome Specifications (Part 4)

	GV-VD5340	GV-VD2540-E	GV-VD5340-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 CMOS
<b>Picture Elements</b>	2560 (H) x 1920 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux	0.15 Lux
	<b>B/W</b>	0.10 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>	45 dB	52 dB	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>	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>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	3 ~ 9 mm	3.3 ~ 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>	100° ~ 39°	103° ~ 36°	100° ~ 39°
<b>Operation</b>	<b>Focus</b>	Auto Focus	
	<b>Zoom</b>	3x Optical Zoom	
	<b>Iris</b>	DC drive	
<b>High Power LED</b>		6 IR LEDs	
<b>Max. IR Distance</b>	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
<b>Mechanical</b>			
<b>Camera Angle</b>	<b>Pan</b>	-90° ~ 90°	
	<b>Tilt</b>	0° ~ 85°	
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°	
<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 (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	
	<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>	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		-40 °C ~ 50 °C (-40 °F ~ 122 °F)
<b>Heat On</b>		On (0°C / 32°F), Off (1°C / 33.8°F)	
<b>Fan</b>		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		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:

- Product design and specifications are subject to change without notice.
- 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.





## 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	0.15 Lux
	<b>B/W</b>	0.01 Lux	0.02 Lux	0.05 Lux	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>		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>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			25 m (82 ft)
<b>Max. IR Distance</b>		30 m (98.4 ft)			25 m (82 ft)
<b>Mechanical</b>					
<b>Camera Adjustment</b>	<b>Pan</b>	0° ~ 350°			
	<b>Tilt</b>	10° ~ 90°			
	<b>Rotate</b>	0° ~ 340°			
<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:

- Product design and specifications are subject to change without notice.
- 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.



## Fixed Dome Specifications (Part 2)







		GV-FD1510	GV-FD2510	GV-FD3410
				
<b>Camera</b>				
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux	0.02 Lux	0.08 Lux
	<b>B/W</b>	0.01 Lux	0.02 Lux	0.05 Lux
	<b>IR ON</b>		0 Lux	
<b>Shutter Speed</b>			Auto, Manual (1/5 ~ 1/8000 sec)	
<b>White Balance</b>			Auto, Manual (2800K ~ 8500K)	
<b>Gain Control</b>			Automatic	
<b>S/N Ratio</b>		55 dB	52 dB	47 dB
<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>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	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>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:

- Product design and specifications are subject to change without notice.
- 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.



## 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>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:**

- Product design and specifications are subject to change without notice.
- 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.



## 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			
										N/A			
<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				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>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					
MFD1501-5F	3.8 mm	MFD2501-6F			2.3 mm	MFD3401-6F	2.3 mm	MFD5301-5F	3.8 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	MFD3401-6F	F/2.2	MFD5301-5F	F/1.8				
<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°	MFD3401-6F	105°	MFD5301-5F	76°			
<b>Operation</b>	<b>Focus</b>	Fixed											
	<b>Zoom</b>	Fixed											
	<b>Iris</b>	Fixed											
<b>Mechanical</b>													
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°											
	<b>Tilt</b>	0° ~ 90°											
<b>Temperature Detector</b>		Yes											
<b>Connectors</b>	<b>Power</b>	PoE, 2-pin terminal block											
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector											
	<b>Audio</b>	1 In (Built-in microphone), 1 Out (RCA female for speaker)											
	<b>USB</b>	GV-WiFi adapter or USB hard drive											
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *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:**

- Product design and specifications are subject to change without notice.
- 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.
- Mind the following limitations and requirements for the mini USB port:
  - The USB hard drive must be of 2.5" or 3.5", version 2.0 or above
  - The USB hard drive's storage capacity must not exceed 2TB
  - USB flash drives and USB hubs are not supported
  - External power supply is required for the USB hard drive
  - To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.



## Mini Fixed Rugged Dome Specifications






		GV-MDR220	GV-MDR320	GV-MDR520	GV-MDR1500 Series	GV-MDR3400 Series	GV-MDR5300 Series
							
<b>Camera</b>							
<b>Image Sensor</b>					1/3" progressive scan super low lux CMOS	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)	1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux			0.01 Lux	0.08 Lux	0.15 Lux
<b>Shutter Speed</b>	<b>B/W</b>	0.10 Lux			0.01 Lux	0.05 Lux	0.10 Lux
<b>White Balance</b>							
Auto, Manual (1/5 ~ 1/8000 sec)							
<b>Gain Control</b>							
Automatic							
<b>S/N Ratio</b>		45 dB			55 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 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
<b>Audio Compression</b>				G.711, AAC (optional)			
<b>Optical Lens</b>							
<b>Megapixel</b>							
Yes							
<b>Day/Night</b>							
Yes (electronic)							
<b>Lens Type</b>							
Fixed Lens							
<b>Focal Length</b>		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
<b>Maximum Aperture</b>		F/2.8			MDR1500-1F F/2.0	MDR3400-1F F/2.0	MDR5300-1F F/2.0
					MDR1500-2F F/1.8	MDR3400-2F F/1.8	MDR5300-2F F/1.8
<b>Mount</b>							
M12, Pitch 0.5 mm							
<b>Image Format</b>							
1/2.5"							
<b>Horizontal FOV</b>		101°	110°	138°	MDR1500-1F 88°	MDR3400-1F 85°	MDR5300-1F 104°
					MDR1500-2F 64°	MDR3400-2F 63°	MDR5300-2F 76°
<b>Operation</b>		<b>Focus</b>					
		<b>Zoom</b>		Fixed			
		<b>Iris</b>					
<b>Mechanical</b>							
<b>Camera Angle Adjustment</b>		<b>Pan</b>		-45° ~ 45°			
		<b>Tilt</b>		0° ~ 90°			
		<b>Rotate</b>		0° ~ 360°			
<b>Temperature Detector</b>		Yes					
<b>Connectors</b>		<b>Power</b>		PoE			
		<b>Ethernet</b>		Ethernet (10/100 Base-T), RJ-45 connector			
		<b>Audio</b>		built-in microphone			
		<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>		3 LEDs: Link, 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>				PoE			
<b>Max. Power Consumption</b>		3.4 W	3.6 W	3.47 W	4.28 W	3.81 W	
<b>Regulatory</b>							
CE, FCC, RCM, RoHS compliant							
<b>Dimensions</b>		<b>Camera Body</b>		ø 115 x 59.2 mm (4.5" x 2.3")			
		<b>Cable Length</b>		1.054 m (41.5")			
		<b>Cable Diameter</b>		ø 6.2 mm (0.24")			
		<b>Connector Diameter</b>		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")			
<b>Weight</b>		568g (1.3 lb)					
<b>Ingress Protection</b>							
IP67							
<b>Vandal Resistance</b>							
IK10 for metal casing							

### Note:

- Product design and specifications are subject to change without notice.
- 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.



## Target Series Specifications (Part 1)





		GV-EBX1100 Series		GV-EBX2100 Series		GV-EBL1100 Series		GV-EBL2100 Series		GV-EBL2101 (Coming)			
													
<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		0.005 Lux			
	<b>B/W</b>	0.03 Lux		0.04 Lux		0.03 Lux		0.04 Lux		0.004 Lux			
	<b>IR ON</b>					0 Lux							
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)								Auto, Manual (1/30 ~ 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		48 dB		56 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>Optical Lens</b>													
<b>Megapixel</b>		Yes											
<b>Day/Night</b>		Yes (with removable IR-cut filter)											
<b>Lens Type</b>		Fixed								Varifocal			
<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	3 ~ 9 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	F/1.7			
		GV-EBX1100-2F	F/1.8	GV-EBX2100-2F	F/1.8	GV-EBL1100-2F		GV-EBL2100-2F					
<b>Mount</b>		M12, Pitch 0.5 mm								Ø14 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°	102° ~ 40°			
		GV-EBX1100-2F	64°	GV-EBX2100-2F	72°	GV-EBL1100-2F	64°	GV-EBL2100-2F	72°				
<b>Operation</b>		<b>Focus</b>	Fixed								Manual (w/lock)		
		<b>Zoom</b>									Manual (w/lock)		
		<b>Iris</b>									P-Iris		
<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)				75 m (246.06 ft)			
<b>Mechanical</b>													
<b>Camera Angle Adjustment</b>		<b>Pan</b>	N/A				N/A				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>	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>		0°C ~ 50°C (32°F ~ 122°F)				Start-up		-20°C ~ 50°C (-4°F ~ 122°F)		Start-up		-20°C ~ 50°C (-4°F ~ 122°F)	
						Operation		-30°C ~ 50°C (-22°F ~ 122°F)		Operation		-30°C ~ 50°C (-22°F ~ 122°F)	
<b>Humidity</b>		10% to 90% (no condensation)											
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)											
<b>Max. Power Consumption</b>		5.36 W				7.8 W				7.1 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")				142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")			
<b>Weight</b>		120 g (0.26 lb)				547 g (1.20 lb)				810 g (1.79 lb)			
<b>Ingress Protection</b>		N/A											
<b>Vandal Resistance</b>		N/A				IP67 IK10 for metal casing							

**Note:**

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



## Target Series Specifications (Part 2)







		GV-EFD1100 Series		GV-EFD2100 Series		GV-EDR1100 Series		GV-EDR2100 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		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)				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-EFD1100-0F	2.8 mm	GV-EFD2100-0F	2.8 mm	GV-EDR1100-0F	2.8 mm	GV-EDR2100-0F	2.8 mm	
	GV-EFD1100-2F	3.8 mm	GV-EFD2100-2F	3.8 mm	GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	
<b>Maximum Aperture</b>	GV-EFD1100-0F	F/2.0	GV-EFD2100-0F	F/2.0	GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	
	GV-EFD1100-2F	F/1.8	GV-EFD2100-2F	F/1.8	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	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-EDR1100-0F	93°	GV-EDR2100-0F	99°	
	GV-EFD1100-2F	64°	GV-EFD2100-2F	72°	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	
<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)							
<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)				N/A			
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status				4 LEDs: Link, ACT, Power, Status			
<b>General</b>									
<b>Environment Temperature</b>	0°C ~ 45°C (32°F ~ 113°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 / PoE (IEEE 802.3af)							
<b>Max. Power Consumption</b>		5.8 W							
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant							
<b>Dimensions (L X W X H)</b>		ø 100 x 60 mm (3.9" x 2.4")				ø 114 x 62.8 mm (4.49" x 2.47")			
<b>Weight</b>		148 g (0.33 lb)				600 g (1.32 lb)			
<b>Ingress Protection</b>		N/A				IP67			
<b>Vandal Resistance</b>		N/A				IK10 for metal casing			

**Note:**

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- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).



## Target Series Specifications (Part 3)

	GV-EFD2101	GV-EFD3101	GV-EFD5101	GV-EVD2100	GV-EVD3100	GV-EVD5100
						
<b>Camera</b>						
<b>Image Sensor</b>	1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan 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)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
<b>Minimum Illumination</b>	Color	0.005 Lux	0.01 Lux	0.12 Lux	0.005 Lux	0.01 Lux
	B/W	0.004 Lux	0.01 Lux	0.10 Lux	0.004 Lux	0.01 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>	56 dB	54 dB	46 dB	56 dB	54 dB	46 dB
<b>WDR Pro (with WDR sensor)</b>	N/A	Yes	Yes	N/A	Yes	Yes
<b>Dynamic Range</b>	Up to 72 dB	Up to 100 dB	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 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944	30 fps at 1920 x 1080	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>Optical Lens</b>						
<b>Megapixel</b>	Yes					
<b>Day/Night</b>	Yes (with removable IR-cut filter)					
<b>Lens Type</b>	Varifocal					
<b>Focal Length</b>	3 ~ 9 mm					
<b>Maximum Aperture</b>	F/1.7					
<b>Mount</b>	Ø 14 mm					
<b>Image Format</b>	1/2.8"		1/3.2"	1/2.8"		1/3.2"
<b>Horizontal FOV</b>	102° ~ 40°	96° ~ 36°	92° ~ 32°	102° ~ 40°	96° ~ 36°	92° ~ 32°
<b>Operation</b>	Focus	Manual (with lock)				
	Zoom	Manual (with lock)				
	Iris	P-Iris				
<b>Maximum Torque (Focus / Zoom Screws)</b>	0.049 N.m					
<b>IR LED Quantity</b>	20 IR LEDs					
<b>Max. IR Distance</b>	50 m (164.04 ft)		30 m (98.4 ft)	50 m (164.04 ft)		30 m (98.4 ft)
<b>Mechanical</b>						
<b>Camera Adjustment</b>	Pan	0° ~ 350°				
	Tilt	0° ~ 75°				
	Rotate	0° ~ 340°				
<b>Connectors</b>	Power	2-pin terminal block, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable				
	Audio	1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")				
	TV-Out	BNC connector (D1 resolution)				
<b>LED Indicator</b>	2 LEDs: Power, Status					
<b>Temperature Detector</b>	Yes					
<b>General</b>						
<b>Environment Temperature</b>	Start-up	0 °C ~ 50 °C (32 °F ~ 122 °F)			-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
	Operation				-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
<b>Humidity</b>	10% to 90% (no condensation)					
<b>Power Source</b>	12V DC / PoE (IEEE 802.3af)					
<b>Max. Power Consumption</b>	5.8 W		7W	6.1 W		7W
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant					
<b>Dimensions (L X W X H)</b>	Ø 125 x 99.5 mm (4.92" x 3.92")			Ø 160 x 108.4 mm (6.2" x 4.27")		
<b>Weight</b>	470 g (1.04 lb)			1.15 kg (2.54 lb)		
<b>Ingress Protection</b>	N/A			IP67		
<b>Vandal Resistance</b>	N/A			IK10 for metal casing		




**Note:**

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- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).





## PT and PTZ Camera Specifications





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

**Note:**

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



## Fisheye Camera Specifications (Part 1)







		GV-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>	Color	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux
	B/W	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux
	IR ON	N/A			
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/8000 sec.)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		47 dB	45 dB	47 dB	45 dB
<b>WDR Pro (with WDR Sensor)</b>		Yes	N/A	Yes	N/A
<b>Dynamic Range</b>		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
<b>Operation</b>					
<b>Video Compression</b>		H.264, MJPEG			
<b>Video Streaming</b>		Dual Streams from H.264 or MJPEG			
<b>Frame Rate</b>		15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 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>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>	Fixed			
	<b>Zoom</b>	Fixed			
<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:**

- Product design and specifications are subject to change without notice.
- 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.



## Fisheye Camera Specifications (Part 2)






	GV-FE3403 (Indoor)	GV-FE5303 (Indoor)	GV-FER3403 (Outdoor)	GV-FER5303 (Outdoor)	GV-FER12203 (Outdoor)	GV-UNFE2503 (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	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low Lux 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)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux	0.1 Lux	
	<b>B/W</b>	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux	0.05 Lux	
	<b>IR ON</b>	0 Lux					0.02 Lux
<b>Shutter Speed</b>	Automatic, Manual (1/5 ~ 1/8000 sec.)				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>	47 dB	45 dB	47 dB	45 dB	52 dB		
<b>WDR Pro (with WDR Sensor)</b>	Yes	N/A	Yes	N/A	N/A		
<b>Dynamic Range</b>	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	N/A	Up to 72 dB	
<b>Operation</b>							
<b>Video Compression</b>	H.264, MJPEG						
<b>Video Streaming</b>	Dual streams from H.264 or MJPEG						
<b>Frame Rate</b>	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 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	15 fps at 4000 x 3000, 25 fps at 2896 x 2768		
<b>Audio Compression</b>	G.711, AAC (optional)				G.711, AAC (optional)	AAC 32K	
<b>Sensor Input</b>	N/A				1 input (Dry Contact)	N/A	
<b>Alarm Output</b>	N/A				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>	1.19 mm	1.32 mm	1.19 mm	1.32 mm	1.83 mm	1.19 mm	
<b>Maximum Aperture</b>	F/2.0				F/2.4	F/2.0	
<b>Mount</b>	M12, Pitch 0.5 mm				M12		
<b>Image Format</b>	4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"	1/1.7"	1/2.3"	
<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				6 IR LEDs	8 IR LEDs	
<b>Max. IR Distance</b>	10 m (32.81 ft.)				30 m (98.43 ft)	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>Connectors</b>	<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)		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>	N/A				3-pin terminal block, pitch 2.5 mm (0.1")	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>* Currently, the local storage function is not supported for GV-FER12203</b>					
<b>USB</b>	GV-WiFi Adapter or mini USB hard drive	N/A		GV-WiFi Adapter or USB hard drive <b>* Currently, the connection to USB hard drive is not supported.</b>	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)		-40°C ~ 50°C (-40°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				12V DC / 24V AC / PoE (IEEE 802.3at)	PoE (IEEE 802.3af)
	<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		28 W	7.7 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</b>	<b>Hard-Ceiling Mount (with IR LED Ring)</b>	Ø 175 x 48.36 mm (6.89" x 1.93")			Ø 160.6 x 59.1 mm (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
<b>Weight</b>	<b>w/o PoE Converter</b>		870 g (1.92 lb)	960 g (2.12 lb)		700 g (1.54 lb)	480 g (1.06 lb)
	<b>w/ PoE Converter</b>		1.045 kg (2.3 lb)				
<b>Ingress Protection</b>	N/A				IP67		
<b>Vandal Resistance</b>	IK10+ for metal casing				IK10+ for metal casing		

**Note:**

- Product design and specifications are subject to change without notice.
- 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.



## IP Speed Dome Camera Specifications


Camera		GV-SD220 (Indoor) 20X / 30X	GV-SD220-S (Outdoor) 20X / 30X	GV-SD2300 (Outdoor)	GV-SD2301 (Outdoor)	GV-SD2411 (Outdoor)
						
Image Sensor		1/2.8 Progressive Scan CMOS				
Picture Elements		1920 (H) x 1080 (V)				
Minimum Illumination	Color	0.05 lux at F/1.6		0.02 lux at F/1.6		0.05 lux at F/1.6
	B/W	0.005 lux at F/1.6		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				
Gain Control		Auto / Manual				
AGC Control		Auto / Manual		N/A		
S/N Ratio		> 50 dB (AGC Off)		50 dB (AGC Off)		
BLC		On / Off				
Optical Zoom		20x / 30x		20x		30x
Digital Zoom				12x		12x
WDR Pro (with WDR sensor)		Yes		N/A		
Dynamic Range		Up to 100 dB		N/A		
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual Streams		Dual streams from H.264 or MJPEG		
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)				
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)			N/A	
Auto Flip		Digital / Mechanical / Off			N/A	
Movement Speed		0.5° ~ 460°/s			N/A	
Presets		255				
Preset Accuracy		0.2°				
Preset Speed		0.5° ~ 460°/s				
Sequence		8		<b>Max Number</b>		8
				<b>Max Presets Allowed</b>		16
Auto Pan		8				
Cruise		4				
Tour		8				
Privacy Mask		8				
Wide Dynamic Range		On / Off				
Calibration		Auto / Manual		Up to 72 dB		Up to 100 dB
Optical Lens						
Megapixel		Yes		N/A		
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	
	Iris	Auto/Manual			20x	
	Zoom				Auto/Manual	
Mechanical						
Temperature Detector		Yes		N/A		
Connectors	Power	DC Jack, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector			10/100 Base-T, RJ-45 connector	
	Audio	1 in 1 out (RCA female)			1 in (RCA female for microphone)	
	Digital I/O	4 in 1 out (I/O wires)			1 out (RCA female for speaker)	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported <b>*The local storage function is not supported currently for GV-SD2411 (Outdoor) (Coming)</b>				
General						
Environment Temperature		-10 °C ~ 50 °C (14 °F ~ 122 °F)		-40 °C ~ 50 °C (-40 °F ~ 122 °F)		
Humidity		20% to 90% (no condensation)				
Power Source		24V AC / 24V DC / PoE (IEEE 802.3at)		24V AC / 24V DC / PoE++ (60 W)		24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)
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 (8.7" x 11.7")		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:**

- Product design and specifications are subject to change without notice.
- 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.



## 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	0.02 Lux
	B/W	
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance	Automatic, Manual (2800K ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	52 dB	
WDR	Yes	
Dynamic Range	Up to 72 dB	
<b>Operation</b>		
Video Compression	H.264, MJPEG	
Video Streaming	Dual streams from H.264 or MJPEG	
Frame Rate	30 fps at 1920 x 1080	
Audio Compression	AAC 32K	
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
	Zoom	Fixed
	Iris	Fixed
<b>Mechanical</b>		
Temperature Detector	Yes	
Connectors	Power	PoE (IEEE 802.3af)
	Ethernet	RJ-45 connector
	Audio	1 In (built-in microphone)
	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:**

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



## Panoramic PTZ IP Camera

		<b>GV-PPTZ7300</b>
		
<b>Camera</b>		
<b>Image Sensor</b>		<b>FE:</b> 1/2.5" progressive scan CMOS; <b>SD:</b> 1/2.86" progressive scan CMOS
<b>Picture Elements</b>		<b>FE:</b> 2560 (H) x 1920 (V); <b>SD:</b> 1920 (H) x 1080 (V)
<b>Minimum Illumination</b>	<b>Color</b>	<b>FE:</b> 0.15 Lux; <b>SD:</b> 0.5 Lux
	<b>B/W</b>	<b>FE:</b> 0.15 Lux; <b>SD:</b> 0.1 Lux
<b>Shutter Speed</b>		<b>FE:</b> Automatic, Manual (1/5 ~ 1/8000 sec.); <b>SD:</b> Automatic, Manual (1/6 ~ 1/60000 sec.)
<b>White Balance</b>		Automatic, Manual (2800K ~ 8500K)
<b>Gain Control</b>		<b>FE:</b> Automatic; <b>SD:</b> Automatic, Manual
<b>S/N Ratio</b>		<b>FE:</b> 45 dB; <b>SD:</b> 50 dB (AGC Off)
<b>WDR</b>		<b>FE:</b> Yes (WDR); <b>SD:</b> Yes (WDR Pro)
<b>Operation</b>		
<b>Video Compression</b>		H.264, MJPEG
<b>Video Streaming</b>		Dual streams from H.264 or MJPEG
<b>Frame Rate</b>		<b>FE:</b> 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 <b>SD:</b> 30 fps at 1920 x 1080, 60 fps at 1280 x 720, 640 x 360, 448 x 252
<b>Audio Compression</b>		G.711, AAC (optional)
<b>Sensor Input</b>		4 Input (Dry Contact)
<b>Alarm Output</b>		1 Digital Output (200 mA 5V DC)
<b>Pan Travel</b>		355°
<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>		<b>FE:</b> Yes (Electronic); <b>SD:</b> Yes (with removable IR-cut filter)
<b>Focal Length</b>		<b>FE:</b> 1.32 mm; <b>SD:</b> 5.1 ~ 51 mm
<b>Maximum Aperture</b>		<b>FE:</b> F/2.0; <b>SD:</b> F/1.6
<b>Horizontal FOV</b>		<b>FE:</b> 180°; <b>SD:</b> 54° ~ 4.9°
<b>Operation</b>	<b>Focus</b>	<b>FE:</b> Fixed; <b>SD:</b> Auto / Manual
	<b>Zoom</b>	<b>FE:</b> Fixed; <b>SD:</b> 10x
<b>Iris</b>		<b>FE:</b> Fixed; <b>SD:</b> 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.
<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)
<b>Fan On</b>		45°C (113°F)
<b>Humidity</b>		20% to 90% (no condensation)
<b>Power Source</b>		DC 24V / AC 24V / High PoE (PoE++, 40 W)
<b>Max. Power Consumption</b>		40 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant
<b>Dimensions</b>		Ø 211.63 x 272.00 mm (8.332" x 10.709")
<b>Weight</b>		3.75 kg (8.27 lb)
<b>Ingress Protection</b>		IP67
<b>Vandal Resistance</b>		IK10 for metal and polycarbonate casing

**Note:**

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



## Thermal IP Camera

		<b>GV-TM0100</b>
		
<b>Camera</b>		
Image Sensor		Uncooled FPA Micro bolometer
Picture Elements		352 (H) x 288 (V)
Pixel Size		25 um
Thermal Sensitivity		≤100 mK at f/1,300K
Spectral Range		8 ~ 14 um
Gain Control		Auto, Manual
<b>Operation</b>		
Video Compression		H.264, MJPEG
Video Streaming		Single streams from H.264 or MJPEG
Frame Rate		25 fps at 352 x 288
Image Setting		Brightness, Contrast
Noise Reduction		Yes
<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)
	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
<b>General</b>		
Environment Temperature		0°C ~ 40 °C (32 °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.