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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>	1/3" progressive scan super low lux CMOS				1/2.8" progressive scan super low lux CMOS	
<b>Image Sensor</b>	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)			
<b>Picture Elements</b>	0.01 Lux		0.02 Lux			
<b>Minimum Illumination</b>	Color	0.01 Lux		0.02 Lux		
	B/W	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-BX5300 Series		GV-BX5300 Series			
		GV-BX2400-0F/1F /2F		GV-BX2400-3V~4V		GV-BX3400-8F		GV-BX3400-3V		GV-BX5300-8F		GV-BX5300-6V			
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens			
															
<b>Camera</b>															
<b>Image Sensor</b>		1/3.2" progressive scan CMOS								1/2.5" progressive scan CMOS					
<b>Picture Elements</b>		1920 (H) x 1080 (V)				2048 (H) x 1536 (V)				2560 (H) x 1920 (V)					
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux								0.15 Lux					
	<b>B/W</b>	0.05 Lux								0.10 Lux					
	<b>IR ON</b>	0 Lux													
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)								Auto, Manual (1/5 ~ 1/8000 sec)					
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)								Auto, Manual (2800K ~ 8500K)					
<b>Gain Control</b>		Automatic													
<b>S/N Ratio</b>		47 dB								45 dB					
<b>WDR Pro (with WDR Sensor)</b>		Yes								N/A					
<b>Dynamic Range</b>		Up to 100 dB								Up to 72 dB					
<b>Operation</b>															
<b>Video Compression</b>		H.264, MJPEG								H.264, MJPEG					
<b>Video Streaming</b>		Dual streams								Dual Stream					
<b>Frame Rate</b>		30 fps at 1920 x 1080				20 fps at 2048 x 1536 30 fps at 1920 x 1080				10 fps at 2560 x 1920					
<b>Audio Compression</b>		G.711, AAC (optional)								G.711, AAC (optional)					
<b>Sensor Input</b>		1 input (Dry Contact)													
<b>Alarm Output</b>		1 Digital Output (200mA 5V DC)													
<b>Optical Lens</b>															
<b>Megapixel</b>		Yes													
<b>Day/Night</b>		Yes (with removable IR-cut filter)													
<b>Lens Type</b>		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens			
<b>Focal Length</b>	BX2400-0F	4 mm		BX2400-3V		2.8 ~ 12 mm		2.8 mm		3 ~ 10.5 mm		2.8 mm		3.3 ~ 10.5 mm	
	BX2400-1F	8 mm		BX2400-4V		3 ~ 10.5 mm									
	BX2400-2F	12 mm													
<b>Maximum Aperture</b>	BX2400-0F	F/1.5		BX2400-3V		F/1.4		F/1.8		F/1.4		F/1.8		F/1.4	
	BX2400-1F	F/1.6		BX2400-4V											
	BX2400-2F														
<b>Mount</b>		CS Mount													
<b>Image Format</b>	BX2400-0F	1/3"		BX2400-3V		1/2.5"		1/2.5"		1/2.7"		1/2.5"		1/2.5"	
	BX2400-1F	1/2.5"		BX2400-4V		1/2.7"									
	BX2400-2F														
<b>Horizontal FOV</b>	BX2400-1F	32°		BX2400-3V		77° ~ 28°		88°		78° ~ 28°		112°		84° ~ 35°	
	BX2400-2F	21°		BX2400-4V		73° ~ 27°									
<b>Operation</b>	<b>Focus</b>	Manual w/lock													
	<b>Zoom</b>	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)		Fixed		Manual (w/lock)			
	<b>Iris</b>	Fixed		DC drive		Fixed		P-Iris		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								Ethernet (10/100/1000 Base-T), RJ-45 Connector					
	<b>Audio</b>	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")													
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm / 0.1"													
	<b>Auto Iris</b>	Not functional		Yes		Not functional		Yes		Not functional		Yes (with varifocal lens)			
	<b>Local Storage</b>	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)								Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.					
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)								BNC connector (640 x 480 resolution)					
<b>Mini USB</b>	GV-WiFi Adapter or USB hard drive								GV-WiFi Adapter or USB hard drive						
<b>LED Indicator</b>		2 LEDs: Power, Status													
<b>General</b>															
<b>Environment Temperature</b>		0 °C ~ 50 °C (32 °F ~ 122 °F)													
<b>Humidity</b>		10% to 90% (no condensation)													
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af Class 3)								12V DC / 24V AC / PoE (IEEE 802.3af)					
<b>Max. Power Consumption</b>		9.5 W				9.5 W		7.12 W		9.5 W		6.77 W			
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant								CE, FCC, RCM, RoHS compliant					
<b>Dimensions (L X W X H)</b>		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") without lens													
<b>Weight</b>		300 g (0.66 lb)								321 g (0.71 lb)		300 g (0.66 lb)			
<b>Note:</b>															
1. Product design and specifications are subject to change without notice.						5. Mind the following limitations and requirements for the mini USB port:									
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).						<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> </ul>									
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.						6. To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.									
4. Memory card slot (local storage) is not supported in Argentina.															



## Box Camera Specifications (Part 3)




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

**Note:**

- 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>							
Image Sensor		1/2.5" progressive scan CMOS					
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.15 Lux					
	B/W	0.10 Lux					
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB					
Dynamic Range		Up to 72 dB					
<b>Operation</b>							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536	
Audio Compression		G.711, AAC (optional)					
<b>Optical Lens</b>							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Fixed					
Focal Length	GV-UBX1301-0F	2.8 mm	GV-UBX2301-0F	2.8 mm	GV-UBX3301-0F	2.8 mm	
	GV-UBX1301-1F	4 mm	GV-UBX2301-1F	4 mm	GV-UBX3301-1F	4 mm	
	GV-UBX1301-2F	8 mm	GV-UBX2301-2F	8 mm	GV-UBX3301-2F	8 mm	
Maximum Aperture	GV-UBX1301-0F	F/2.0	GV-UBX2301-0F	F/2.0	GV-UBX3301-0F	F/2.0	
	GV-UBX1301-1F	F/1.6	GV-UBX2301-1F	F/1.6	GV-UBX3301-1F	F/1.6	
	GV-UBX1301-2F		GV-UBX2301-2F		GV-UBX3301-2F		
Mount		M12, Pitch 0.5 mm					
Image Format		1/3"					
Horizontal FOV	GV-UBX1301-0F	69°	GV-UBX2301-0F	79°	GV-UBX3301-0F	80°	
	GV-UBX1301-1F	49°	GV-UBX2301-1F	58°	GV-UBX3301-1F	62°	
	GV-UBX1301-2F	25°	GV-UBX2301-2F	31°	GV-UBX3301-2F	33°	
Operation	Focus	Fixed					
	Zoom						
	Iris						
IR LED Quantity		4					
Max. IR Distance		10 m (32.81 ft)					
<b>Mechanical</b>							
Temperature Detector		Yes					
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator		2 LEDs: Power, Status					
<b>General</b>							
Environment Temperature		0°C ~ 40°C (32°F ~ 104°F)					
Humidity		10% to 90% (no condensation)					
Power Source		5V DC / PoE (IEEE 802.3af)					
Max. Power Consumption		6.5 W					
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions (L X W X H) (Without lens)		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")					
Weight		120 g (0.26 lb)					

### Note:

- 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 (Part 1)




	GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX4700-E
				
<b>Camera</b>				
Image Sensor	1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1520 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.03 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux
	IR ON		0 Lux	
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)			Automatic, Manual (1/5 ~ 1/16000 sec.)
White Balance	Auto, Manual (2800K ~ 8500K)			
Gain Control	Automatic			
S/N Ratio	55 dB		47 dB	50 dB
WDR Pro (with WDR Sensor)	N/A		Yes	Yes
Dynamic Range	Up to 72 dB		Up to 100 dB	Up to 120 dB
<b>Operation</b>				
Video Compression	H.264, MJPEG			H.265, H.264, MJPEG
Video Streaming	Dual streams			Dual streams from H.265, H.264 or MJPEG
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520
Audio Compression	G.711, AAC (optional)			
Sensor Input				N/A
Alarm Output				N/A
<b>Optical Lens</b>				
Megapixel	Yes			
Day/Night	Yes (with removable IR-cut filter)			
Lens Type	Varifocal Lens			
Focal Length	3 ~ 10.5 mm			
Maximum Aperture	F/1.4			
Mount	CS Mount			
Image Format	1/2.7"			
Horizontal FOV	81° ~ 29°	73° ~ 27°	78° ~ 28°	78° ~ 31°
Operation	Focus	Manual (w/lock)		
	Zoom	Manual (w/lock)		
	Iris	P-Iris	DC drive	P-Iris
IR LED Quantity				4 IR LEDs
Max. IR Distance	15 m (50 ft)			30 m (98.4 ft.)
<b>Mechanical</b>				
Camera Angle Adjustment	Pan	0° ~ 330°		
	Tilt	0° ~ 90°		
	Rotate	No		
Temperature Detector	Yes			
Power	PoE			
Connectors	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Auto Iris	Yes (with varifocal lens)		P-Iris
	Digital I/O	N/A		
	Local Storage	N/A		
	TV-Out	BNC connector (640 x 480 resolution)		BNC connector
LED Indicator	2 LEDs: Power, Status			1 LED: Status
<b>General</b>				
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)		
	Operation	-40 °C ~ 50 °C (-40°F ~ 122°F)		
Humidity	10% to 90% (no condensation)			
Power Source	PoE (IEEE 802.3 at)			
Max. Power Consumption	20 W	23 W		23 W
Regulatory	CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant
Dimensions (L X W X H) (Without lens)	100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			
Weight	3.2 Kg (7.1 lb)			
Ingress Protection	IP67			
Vandal Resistance	IK10 for metal casing			
Heater On	-40°C ~ 8°C (-40°F ~ 46.4°F)			
Fan	Constantly on			

### Note:

- 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.



## IR Arctic Box Camera Specifications (Part 2)

		GV-BX5300	GV-BX2510-E	GV-BX5310-E
				
<b>Camera</b>				
<b>Image Sensor</b>		1/2.5" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan super low lux CMOS
<b>Picture Elements</b>		2560 (H) x 1920 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	Color	0.15 Lux	0.02 Lux	0.15 Lux
	B/W	0.10 Lux	0.02 Lux	0.10 Lux
	IR ON		0 L	
<b>Shutter Speed</b>			Auto, Manual (1/5 ~ 1/8000 sec)	
<b>White Balance</b>			Auto, Manual (2800K ~ 8500K)	
<b>Gain Control</b>			Automatic	
<b>S/N Ratio</b>		45 dB	52 dB	45 dB
<b>WDR Pro (with WDR Sensor)</b>			N/A	
<b>Dynamic Range</b>			Up to 72 dB	
<b>Operation</b>				
<b>Video Compression</b>			H.264, MJPEG	
<b>Video Streaming</b>			Dual streams	
<b>Frame Rate</b>		10 fps at 2560 x 1920	30 fps at 1920 x 1080	10 fps at 2560 x 1920
<b>Audio Compression</b>			G.711, AAC (optional)	
<b>Sensor Input</b>			1 input (Dry Contact)	
<b>Alarm Output</b>			1 digital output (200mA 5V DC)	
<b>Optical Lens</b>				
<b>Megapixel</b>			Yes	
<b>Day/Night</b>			Yes (with removable IR-cut filter)	
<b>Lens Type</b>		Varifocal Lens		Motorized Varifocal Lens
<b>Focal Length</b>		4.5 ~ 10 mm	3.7 ~ 9 mm	4.5 ~ 9 mm
<b>Maximum Aperture</b>		F/1.6		F/1.2
<b>Mount</b>		CS Mount		Ø14 mm
<b>Image Format</b>		1/2"		1/2.7"
<b>Horizontal FOV</b>		70° ~ 34°		70° ~ 39°
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)		Auto focus
	<b>Zoom</b>	Manual (w/lock)	2.4X optical zoom	2X optical zoom
<b>Iris</b>			Manual (w/lock)	P-Iris
<b>IR LED Quantity</b>			4 IR LEDs	
<b>Max. IR Distance</b>		15 m (50 ft)	70 m (230 ft)	50 m (164 ft)
<b>Mechanical</b>				
<b>Camera Adjustment</b>	<b>Pan</b>		0° ~ 330°	
	<b>Tilt</b>		0° ~ 90°	
	<b>Rotate</b>		No	
<b>Temperature Detector</b>			Yes	
<b>Connectors</b>	<b>Power</b>	PoE		2-pin terminal block, PoE
	<b>Ethernet</b>			Ethernet (10/100 Base-T), RJ-45 connector
	<b>Audio</b>			1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")
	<b>Auto Iris</b>			Yes (with varifocal lens)
	<b>Digital I/O</b>	N/A		I/O wires
<b>Local Storage</b>		N/A	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)	*SDXC and UHS-I card types are not supported
<b>TV-Out</b>				BNC connector (640 x 480 resolution)
<b>LED Indicator</b>				2 LEDs: Power, Status
<b>General</b>				
<b>Environment Temperature</b>	<b>Start-up</b>		-30 °C ~ 50 °C (-22°F ~ 122°F)	
	<b>Operation</b>		-30 °C ~ 50 °C (-22°F ~ 122°F)	
<b>Humidity</b>			10% to 90% (no condensation)	
<b>Power Source</b>		PoE (IEEE 802.3 at)		DC 48V, PoE++ (50W)
<b>Max. Power Consumption</b>		21.6 W		50 W
<b>Regulatory</b>			CE, FCC, RCM, RoHS compliant	
<b>Dimensions (L X W X H) (Without lens)</b>		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")	Camera Body	406 x 145 x 109.5 mm (16" x 5.7" x 4.3")
			Cable Length	1 m (39.4")
<b>Weight</b>		3.2 Kg (7.1 lb)		3.32 kg (7.32 lb)
<b>Ingress Protection</b>			IP67	
<b>Vandal Resistance</b>			IK10 for metal casing	
<b>Heater On</b>		-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:**

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





## Bullet Camera Specifications (Part 1)




		GV-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	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)					
<b>Sensor Input</b>		1 input (Dry Contact)					
<b>Alarm Output</b>		1 digital output (200mA 5V DC)					
<b>Optical Lens</b>							
<b>Megapixel</b>		Yes					
<b>Day/Night</b>		Yes (with removable IR-cut filter)					
<b>Lens Type</b>		Varifocal Lens					
<b>Focal Length</b>		3 ~ 9 mm				2.8 ~ 12 mm	4 ~ 8 mm
<b>Maximum Aperture</b>		F/1.2				F/1.7	F/1.65
<b>Mount</b>		Ø14 mm					
<b>Image Format</b>		1/2.7"					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:**

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



## Bullet Camera Specifications (Part 3)





	GV-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</b>	<b>Pan</b>	0° ~ 360°				
<b>Angle</b>	<b>Tilt</b>	90° ~ 180°				
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 360°				
<b>Temperature Detector</b>	Yes					
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE			2-pin terminal block	
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector				
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)				
	<b>Digital I/O</b>	3-pin terminal block				
<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *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					
<b>Fan</b>	NA					
<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.



## 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>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 (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:

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



## Ultra Bullet Camera Specifications








		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										
	<b>Zoom</b>	3X Optical Zoom			Fixed							
	<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)	
Camera								
Image Sensor	1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.05 Lux		0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	
	B/W	0.03 Lux		0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	
	IR ON	0 Lux						
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)							
White Balance	Auto, Manual (2800K ~ 8500K)							
Gain Control	Automatic							
S/N Ratio	50 dB	45 dB		55 dB	47 dB	52 dB	47 dB	
WDR Pro (with WDR sensor)	N/A				Yes	N/A	Yes	
Dynamic Range	Up to 72 dB				Up to 100 dB	Up to 72 dB	Up to 100 dB	
Operation								
Video Compression	H.264, MJPEG							
Video Streaming	Dual streams							
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536	
Audio Compression	G.711, AAC (optional)							
Sensor Input	1 Input (Dry Contact)							
Alarm Output	1 Digital output (200mA 5V DC)							
Optical Lens								
Megapixel	Yes							
Day/Night	Yes (with removable IR-cut filter)							
Lens Type	Varifocal Lens							
Focal Length	3 ~ 9 mm							
Maximum Aperture	F/1.3			F/1.2				
Mount	Ø14 mm							
Image Format	1/3"				1/2.7"			
Horizontal FOV	86° ~ 32°	82° ~ 30°	86° ~ 31°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	
Focus	Manual (w/lock)							
Zoom	Manual (w/lock)							
Iris	DC drive							
IR LED Quantity	10 IR LEDs							
Max. IR Distance	15 m (50 ft)			30 m (98.4 ft)				
Mechanical								
Camera Angle	Pan		0° ~ 350°					
Adjustment	Tilt		10° ~ 90°					
3-axis Mechanism	Rotate		0° ~ 340°					
Temperature Detector	Yes							
Power	2-pin terminal block, PoE							
Ethernet	Ethernet (10/100 Base-T), RJ-45 connector							
Audio	1 In (RCA female for microphone), 1 Out (RCA female for speaker)							
Digital I/O	I/O Wire							
Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported							
TV-Out	BNC connector (640 x 480 resolution)							
LED Indicator	2 LEDs: Power, Status							
General								
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)							
Humidity	10% to 90% (no condensation)							
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)							
Max. Power Consumption	12 W							
Regulatory	CE, FCC, RCM, RoHS compliant							
Dimensions	Camera Body		Ø 165 x 125 mm (6.49" x 4.92")					
	Cable Length		1 m (3.28 ft)					
	Cable Diameter		Ø 16.7 mm (0.66")					
	Max. Connector Diameter		Ø 16.7 mm (0.66")					
Weight	1.7 kg (3.75 lb)							
Ingress Protection	IP67							

### Note:

- 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
					
<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>	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
<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>		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°	82° ~ 30°
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)			
	<b>Zoom</b>	Manual (w/lock)			
	<b>Iris</b>	DC drive			
<b>IR LED Quantity</b>		6 IR High Power 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</b>		Pan			
<b>Angle</b>		-90° ~ 90°			
<b>Adjustment</b>		Tilt			
<b>3-axis Mechanism</b>		0° ~ 85°			
<b>Temperature Detector</b>		0° ~ 350°			
<b>Power</b>		Yes			
<b>Ethernet</b>		Yes			
<b>Audio</b>		2-pin terminal block, PoE			
<b>Digital I/O</b>		Ethernet (10/100 Base-T), RJ-45 connector			
<b>Local Storage*</b>		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
<b>TV-Out</b>		3-pin terminal block, pitch 2.5 mm (0.1")			
<b>LED Indicator</b>		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			
<b>General</b>		*SDXC and UHS-I card types are not supported			
<b>Environment</b>		BNC connector (640 x 480 resolution)			
<b>Temperature</b>		2 LEDs: Power, Status			
<b>Humidity</b>		-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
<b>Power Source</b>		-30 °C ~ 50 °C (-22 °F ~ 122 °F)			
<b>Max. Power Consumption</b>		10% to 90% (no condensation)			
<b>Regulatory</b>		12V DC / 24V AC / PoE (IEEE 802.3at)			
<b>Dimensions</b>		15.4 W			
<b>Weight</b>		CE, FCC, RCM, RoHS compliant			
<b>Ingress Protection</b>		Ø176.5 x 118 mm (6.9" x 4.6")			
<b>Vandal Resistance</b>		1.76 kg (3.88 lb)			
		IP67			
		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-VD3700	GV-VD5700	GV-VD2702	GV-VD4702
				
<b>Camera</b>				
Image Sensor	1/2.8" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	1920 (H) x 1080 (V)	2592 (H) x 1520 (V)
Minimum Illumination	Color	0.01 Lux	0.04 Lux	0.03 Lux
	B/W	0.01 Lux	0.03 Lux	0.02 Lux
	IR ON	0 Lux		
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)		Auto, Manual (1/5 ~ 1/16000 sec)	
White Balance	Auto, Manual (2800K ~ 8500K)			
Gain Control	Automatic			
S/N Ratio	54 dB	50 dB	56 dB	50 dB
WDR Pro (with WDR sensor)	Yes	N/A	Yes	Yes
Dynamic Range	Up to 120 dB	Up to 72 dB	Up to 130 dB	Up to 120 dB
<b>Operation</b>				
Video Compression	H.265, H.264, MJPEG			
Video Streaming	Dual streams		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	
Frame Rate	30 fps at 2048 x 1536		30 fps at 1920 x 1080	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520
Audio Compression	G.711			G.711, AAC (optional)
Sensor Input	1 Input (Dry Contact)			
Alarm Output	1 Output (200mA 5V DC)			
Optical Lens	Yes			
Megapixel	Yes			
Day/Night	Yes (with removable IR-cut filter)			
Lens Type	Varifocal Lens			
Focal Length	2.8 ~ 12 mm	4 ~ 8 mm		2.8 ~ 12 mm
Maximum Aperture	F/1.7	F/1.65		F/1.7
Mount	Ø14 mm			
Image Format	1/2.7"	1/1.8"		1/2.7"
Horizontal FOV	98° ~ 35°	88° ~ 51°	110° ~ 38°	102° ~ 36°
Operation	Focus	Manual (w/lock)		
	Zoom	Manual (w/lock)		
	Iris	P-Iris		
IR LED Quantity	12 IR LEDs		4 IR LEDs	
Max. IR Distance	30 m (98.4 ft)			
<b>Mechanical</b>				
Camera	Pan	0° ~ 360°		0° ~ 350°
Angle	Tilt	90° ~ 180°		0° ~ 75°
Adjustment	Rotate	0° ~ 355°		0° ~ 340°
3-axis Mechanism		Yes		
Temperature Detector		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)	
	Digital I/O	4-pin terminal block		I/O wires
	Local Storage*	Micro SD card slot (SD/SDHC/SDXC, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
TV-Out	N/A	BNC connector (640 x 480 resolution)		
LED Indicator	N/A	2 LEDs: Power, Status		
<b>General</b>				
Environment	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		
Temperature	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption		12.6 W		8.64 W
Regulatory		CE, FCC, RCM, LVD, RoHS compliant		
Dimensions		Ø 150.3 x 105.5 mm (5.92" x 4.15")		Ø160 x 108.4 mm (6.2 x 4.27")
Weight		800 g (1.76 lb)		1.15 kg (2.54 lb)
Ingress Protection		IP67		
Vandal Resistance		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 4)






	GV-VD1540	GV-VD2440	GV-VD2540	GV-VD2712	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>	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.005 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.004 Lux
	IR ON	0 Lux			
<b>Shutter Speed</b>	Auto, Manual (1/5 ~ 1/8000 sec)			Auto, Manual (1/5 ~ 1/16000 sec)	Auto, Manual (1/5 ~ 1/8000 sec)
<b>White Balance</b>	Auto, Manual (2800K ~ 8500K)				
<b>Gain Control</b>	Automatic				
<b>S/N Ratio</b>	55 dB	47 dB	52 dB	56 dB	47 dB
<b>WDR Pro (with WDR sensor)</b>	N/A	Yes	N/A	Yes	Yes
<b>Dynamic Range</b>	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 130 dB	Up to 100 dB
<b>Operation</b>					
<b>Video Compression</b>	H.264, MJPEG			H.265, H.264, MJPEG	H.264, MJPEG
<b>Video Streaming</b>	Dual streams			Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	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)			G.711	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			2.8 ~ 12 mm	3 ~ 9 mm
<b>Maximum Aperture</b>	F/1.2			F/1.7	F/1.2
<b>Mount</b>	Ø14 mm				
<b>Image Format</b>	1/2.7"				
<b>Horizontal FOV</b>	90° ~ 32°	82° ~ 30°	103° ~ 36°	110° ~ 38°	86° ~ 31°
<b>Operation</b>	Auto Focus				
<b>Zoom</b>	3x Optical Zoom			4.3x optical zoom	3x Optical Zoom
<b>Iris</b>	DC drive			P-Iris	DC drive
<b>High Power LED</b>	6 IR LEDs			4 IR LEDs	6 IR LEDs
<b>Max. IR Distance</b>	30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	30 m (98.4 ft)	20 m (65.6 ft)
<b>Mechanical</b>					
<b>Camera</b>	<b>Pan</b>	-90° ~ 90°		0° ~ 350°	-90° ~ 90°
<b>Angle</b>	<b>Tilt</b>	0° ~ 85°		0° ~ 75°	0° ~ 85°
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°		0° ~ 340°	0° ~ 350°
<b>3-axis Mechanism</b>	Yes				
<b>Temperature Detector</b>	Yes				
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector			
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")		I/O wires	3-pin terminal block, pitch 2.5 mm (0.1")
<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported				
<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)			12V DC / PoE (IEEE 802.3af)	12V DC / 24V AC / PoE (IEEE 802.3at)
<b>Max. Power Consumption</b>	22.48 W			8.64 W	22.48 W
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant	CE, FCC, RCM, RoHS compliant
<b>Dimensions</b>	Ø176.5 x 118 mm (6.9" x 4.6")			Ø160 x 108.4 mm (6.2 x 4.27")	Ø176.5 x 118 mm (6.9" x 4.6")
<b>Weight</b>	1.83 kg (4.03 lb)			1.15 kg (2.54 lb)	1.83 kg (4.03 lb)
<b>Ingress Protection</b>	IP67				
<b>Vandal Resistance</b>	IK10+			IK10	IK10+

Note:

- 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 5)





	GV-VD5340	GV-VD4711	GV-VD5711	GV-VD2540-E	GV-VD5340-E	
						
<b>Camera</b>						
<b>Image Sensor</b>	1/2.5" progressive scan CMOS	1/3" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS	
<b>Picture Elements</b>	2560 (H) x 1920 (V)	2592 (H) x 1520 (V)	2592 (H) x 1944 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)	
<b>Minimum Illumination</b>	Color	0.15 Lux	0.03 Lux	0.04 Lux	0.02 Lux	0.15 Lux
	B/W IR ON	0.10 Lux	0.02 Lux	0.03 Lux	0.02 Lux	0.10 Lux
<b>Shutter Speed</b>	0 Lux					
<b>White Balance</b>	Auto, Manual (1/5 ~ 1/8000 sec)					
<b>Gain Control</b>	Auto, Manual (2800K ~ 8500K)					
<b>S/N Ratio</b>	Automatic					
<b>WDR</b>	45 dB	50 dB	46 dB	52 dB	45 dB	
<b>Dynamic Range</b>	Yes	WDR Pro	Yes	Yes		
<b>Operation</b>	Up to 72 dB	Up to 120 dB	Up to 72 dB	Up to 72 dB		
<b>Video Compression</b>	H.264, MJPEG	H.265, H.264, MJPEG		H.264, MJPEG		
<b>Video Streaming</b>	Dual streams	Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG		Dual streams		
<b>Frame Rate</b>	10 fps at 2560 x 1920	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520	30 fps at 2592 x 1944	30 fps at 1920 x 1080	10 fps at 2560 x 1920	
<b>Audio Compression</b>	G.711, AAC (optional)	G711		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	2.8 ~ 12 mm	4 ~ 8 mm	3 ~ 9 mm	3.3 ~ 9 mm	
<b>Maximum Aperture</b>	F/1.2	F/1.7	F/1.65	F/1.2		
<b>Mount</b>	Ø14 mm					
<b>Image Format</b>	1/2.7"	1/2.7"	1/1.8"	1/2.7"		
<b>Horizontal FOV</b>	100° ~ 39°	95° ~ 36°	90° ~ 48°	103° ~ 36°	100° ~ 39°	
<b>Operation</b>	Auto Focus					
<b>Zoom</b>	3x Optical Zoom	4.3x Optical Zoom	2x Optical zoom	3x Optical Zoom		
<b>Iris</b>	DC drive	P-Iris		DC drive		
<b>High Power LED</b>	6 IR LEDs					
<b>Max. IR Distance</b>	20 m (65.6 ft)	30 m (100 ft.)		25 m (82.0 ft)	20 m (65.6 ft)	
<b>Mechanical</b>						
<b>Camera Angle</b>	Pan -90° ~ 90°					
<b>Adjustment</b>	Tilt 0° ~ 85°					
<b>3-axis Mechanism</b>	Rotate 0° ~ 350°					
<b>Temperature Detector</b>	Yes					
<b>Connectors</b>	Power 2-pin terminal block, PoE					
<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector	Ethernet (10/100 Base-T), RJ-45 cable		Ethernet (10/100 Base-T), RJ-45 connector		
<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")					
<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
<b>TV-Out</b>	BNC connector (640 x 480 resolution)	BNC connector (D1 solution)		BNC connector (640 x 480 resolution)		
<b>LED Indicator</b>	2 LEDs: Power, Status					
<b>General</b>						
<b>Environment Temperature</b>	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			-40 °C ~ 50 °C (-40 °F ~ 122 °F)		
<b>Heat On</b>	N/A	N/A		On (0°C / 32°F), Off (1°C / 33.8°F)		
<b>Fan</b>	N/A			Constantly on		
<b>Humidity</b>	10% to 90% (no condensation)					
<b>Power Source</b>	12V DC / 24V AC / PoE (IEEE 802.3at)					
<b>Max. Power Consumption</b>	22.48 W	25.5 W		30 W		
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant					
<b>Dimensions</b>	Ø176.5 x 118 mm (6.9" x 4.6")					
<b>Weight</b>	1.83 kg (4.03 lb)					
<b>Ingress Protection</b>	IP67					
<b>Vandal Resistance</b>	IK10+					

### Note:

- 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</b>	<b>Pan</b>	0° ~ 350°			
	<b>Angle</b>	10° ~ 90°			
	<b>Adjustment</b>	0° ~ 340°			
<b>3-axis Mechanism</b>		Yes			
<b>Temperature Detector</b>		Yes			
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector			
	<b>Audio</b>	1 In (microphone phone jack, 3.5mm / 0.14")			
		1 Out (Stereo phone jack, 3.5mm / 0.14")			
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm			
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
<b>TV-Out</b>	BNC connector (640 x 480 resolution)				
<b>LED Indicator</b>		2 LEDs: Power, Status			
<b>General</b>					
<b>Environment Temperature</b>		0 °C ~ 50 °C / 32 °F ~ 122 °F			
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE 802.3af)			
<b>Max. Power Consumption</b>		12W			
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant			
<b>Dimension</b>		ø 155 x 110 mm (6.1" x 4.33")			
<b>Weight</b>		580 g (1.28 lb)			
<b>Vandal Resistance</b>		IK7			

Note:

- 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>3-axis Mechanism</b>		Yes		
<b>Temperature Detector</b>		Yes		
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector		
	<b>Audio</b>	1 In (microphone phone jack, 3.5mm / 0.14") 1 Out (Stereo phone jack, 3.5mm / 0.14")		
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm		
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
<b>TV-Out</b>		BNC connector (640 x 480 resolution)		
<b>LED Indicator</b>		2 LEDs: Power, Status		
<b>General</b>				
<b>Environment Temperature</b>		0 °C ~ 50 °C / 32 °F ~ 122 °F		
<b>Humidity</b>		10% to 90% (no condensation)		
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE 802.3af)		
<b>Max. Power Consumption</b>		12W		
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		
<b>Dimension</b>		Ø 155 x 110 mm (6.1" x 4.33")		
<b>Weight</b>		580 g (1.28 lb)		
<b>Vandal Resistance</b>		IK7		

### Note:

- 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>						
	<b>Iris</b>						
<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>				Yes			
<b>Max. PIR / White Illumination LED Distance</b>				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:**

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



## Mini Fixed Dome Specifications

		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		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	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	MFD5301-3F	F/1.6	
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2	MFD5301-5F	F/1.8	
<b>Mount</b>	M12, Pitch 0.5 mm										
	1/3"										
<b>Image Format</b>											
<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°	MFD5301-5F	76°	
	MFD1501-5F	64°	MFD2401-5F	60°	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:**

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- 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 Dome Specifications

		GV-MFD2700 Series		GV-MFD4700 Series	
					
<b>Camera</b>					
Image Sensor		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.005 Lux		0.03 Lux	
	B/W	0.004 Lux		0.02 Lux	
	IR ON	0 Lux		0.02 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/16000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		56 dB		50 dB	
WDR Pro (with WDR sensor)		Yes			
Dynamic Range		Up to 130 dB		Up to 120 dB	
<b>Operation</b>					
Video Compression		H.265, H.264, MJPEG			
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG			
Frame Rate		50 Hz: 25 fps at 1920 x 1080 60 Hz: 30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520	
Audio Compression		G.711			
Audio Support		Two-way audio			
Sensor Input		1 input (dry contact)			
Alarm Output		1 digital output (200 mA 5V DC)			
<b>Optical Lens</b>					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed			
Focal Length	MFD2700-0F	2.8 mm		MFD4700-0F	2.8 mm
	MFD2700-2F	3.8 mm		MFD4700-2F	3.8 mm
	MFD2700-6F	2.3 mm		MFD4700-6F	2.3 mm
Maximum Aperture	MFD2700-0F	F/2.0		MFD4700-0F	F/2.0
	MFD2700-2F	F/1.8		MFD4700-2F	F/1.8
	MFD2700-6F	F/2.2		MFD4700-6F	F/2.2
Mount		M12, Pitch 0.5 mm			
Image Format		1/2.7"			
Horizontal FOV	MFD2700-0F	100°		MFD4700-0F	96°
	MFD2700-2F	72°		MFD4700-2F	72°
	MFD2700-6F	140°		MFD4700-6F	129°
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
IR LED Quantity		4 IR LEDs			
Max. IR Distance		20 m (65.6 ft)			
<b>Mechanical</b>					
Camera Adjustment	Pan	-45° ~ 45°			
	Tilt	0° ~ 70°			
	Rotate	0° ~ 360°			
3-axis Mechanism		Yes			
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable			
	Audio	1 In (built-in or external microphone) 1 Out (stereo phone jack, 3.5 mm / 0.14")			
	Digital I/O	I/O wires			
	Local Storage*	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.			
TV-Out		N/A			
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 / PoE (IEEE 802.3af)			
Max. Power Consumption		12V DC, 6.5W		12V DC, 7.5W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimension		110 x 72.83 mm (4.33" x 2.86")			
Weight		200 g (0.44 lb)			
Vandal Resistance		N/A			



## 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>		1/2.5" progressive scan CMOS			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>B/W</b>	0.10 Lux			0.01 Lux	0.05 Lux	0.10 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			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>	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>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>	Max. ø 30 mm (1.18")			M12: ø 14.7 mm (0.58") Waterproof: ø 27 mm (1.06") Non-waterproof (Smaller) : 16.8 x 13.8 mm (0.66" x 0.54")		
<b>Weight</b>		568g (1.3 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.





## Target Series Specifications (Part 1)






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

**Note:**

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2. 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-EBL2101	GV-EBL2111	GV-EBL3101	GV-EBL5101	GV-EBL4702 Series	GV-EBL2702 Series		
									
<b>Camera</b>									
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS			1/3.2" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	
<b>Picture Elements</b>		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2592 (H) x 1944 (V)		2592 (H) x 1520 (V)	1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux	0.005 Lux	0.01 Lux	0.12 Lux		0.03 Lux	0.005 Lux	
	<b>B/W</b>	0.004 Lux	0.004 Lux	0.01 Lux	0.10 Lux		0.02 Lux	0.004 Lux	
		0 Lux							
<b>Shutter Speed</b>		Auto, Manual (1/30 ~ 1/16000 sec)			Automatic, manual (1/5 ~ 1/8000 sec.)		Automatic, manual (1/5 ~ 1/16000 sec.)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)							
<b>Gain Control</b>		Automatic							
<b>S/N Ratio</b>		56 dB	56 dB	54 dB	46 dB		50 dB	56 dB	
<b>WDR</b>		Yes	Yes	WDR Pro	Yes		WDR Pro		
<b>Dynamic Range</b>		Up to 72 dB		Up to 120 dB	Up to 72 dB		Up to 120 dB	Up to 130 dB	
<b>Operation</b>									
<b>Video Compression</b>		H.264, MJPEG				H.265, H.264, MJPEG			
<b>Video Streaming</b>		Dual streams				Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG			
<b>Frame Rate</b>		30 fps at 1920 x 1080		30 fps at 2048 x 1536	30 fps at 2592 x 1944 (60/50 Hz)		20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520	30 fps at 1920 x 1080	
<b>Optical Lens</b>									
<b>Megapixel</b>		Yes							
<b>Day/Night</b>		Yes (with removable IR-cut filter)							
<b>Lens Type</b>		Varifocal	Motorized varifocal	Varifocal			Fixed		
<b>Focal Length</b>		3 ~ 9 mm	2.8 ~ 12 mm				GV-EBL4702-1F / EBL2702-1F	6 mm	
						GV-EBL4702-2F / EBL2702-2F	3.8 mm		
<b>Maximum Aperture</b>		F/1.7	F/1.7				GV-EBL4702-1F / EBL2702-1F	F/2.0	
						GV-EBL4702-2F / EBL2702-2F	F/1.8		
<b>Mount</b>		Ø14 mm				Ø12 mm		M12, Pitch 0.5 mm	
<b>Image Format</b>		1/2.7"							
<b>Horizontal FOV</b>		102° ~ 40°	102° ~ 40°	96° ~ 36°	90° ~ 48°		GV-EBL4702-1F	51°	
						GV-EBL4702-2F	72°	GV-EBL2702-1F	52°
							GV-EBL2702-2F	73°	
<b>Operation</b>		<b>Focus</b>	Manual (w/lock)	Auto Focus	Manual (w/lock)			Fixed	
		<b>Zoom</b>	Manual (w/lock)	4.3x Optical Zoom	Manual (w/lock)				
		<b>Iris</b>	P-Iris						
<b>IR LED Quantity</b>		24 IR LEDs				6 IR LEDs			
<b>Max. IR Distance</b>		75 m (246.06 ft)		60 m (196.85 ft)	30 m (98.42 ft)		30 m (98.4 ft)	60 m (197 ft)	
<b>Mechanical</b>									
<b>Camera Angle Adjustment</b>		<b>Pan</b>	0° ~ 360°						
		<b>Tilt</b>	90° ~ 180°						
<b>Connectors</b>		<b>Power</b>	2-pin terminal block, PoE						
		<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable						
		<b>Local Storage</b>	N/A				Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II card type is not supported.		
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status * Inside camera, not visible from outside			2 LEDs: Power, Status * Inside camera, not visible from outside				
<b>General</b>									
<b>Environment Temperature</b>		-20°C ~ 50°C (-4°F ~ 122°F)							
		-30°C ~ 50°C (-22°F ~ 122°F)	-20°C ~ 50°C (-4°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 / PoE (IEEE 802.3af)							
<b>Max. Power Consumption</b>		7.1 W	12.3 W	8.2 W	9.5 W		9.12 W	9.10 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant			
<b>Dimensions (L X W X H)</b>		142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")						129.54 x 80 x 102.75 mm (5.1" x 3.15" x 4.05")	
<b>Weight</b>		810 g (1.79 lb)				825 g (1.81 lb)		809 g (1.78 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).



## Target Series Specifications (Part 3)




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

**Note:**

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



## Target Series Specifications (Part 4)






	GV-EDR1100 Series		GV-EDR2100 Series		GV-EDR4700 Series		GV-EDR2700 Series	
								
<b>Camera</b>								
<b>Image Sensor</b>	1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS	
<b>Picture Elements</b>	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.05 Lux	0.07 Lux		0.03 Lux		0.005 Lux	
	<b>B/W</b>	0.03 Lux	0.04 Lux		0.02 Lux		0.004 Lux	
	<b>IR ON</b>	0 Lux						
<b>Shutter Speed</b>	Auto, Manual (1/5 ~ 1/8000 sec)				Auto, Manual (1/5 ~ 1/16000 sec)			
<b>White Balance</b>	Auto, Manual (2800K ~ 8500K)							
<b>Gain Control</b>	Automatic							
<b>S/N Ratio</b>	50 dB		48 dB		50 dB		56 dB	
<b>WDR</b>	Yes				WDR Pro			
<b>Dynamic Range</b>	Up to 72 dB				Up to 120 dB		Up to 130 dB	
<b>Operation</b>								
<b>Video Compression</b>	H.264, MJPEG				H.265, H.264, MJPEG			
<b>Video Streaming</b>	Dual streams				Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG			
<b>Frame Rate</b>	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080	
<b>Audio Compression</b>	N/A							
<b>Optical Lens</b>								
<b>Megapixel</b>	Yes							
<b>Day/Night</b>	Yes (with removable IR-cut filter)							
<b>Lens Type</b>	Fixed							
<b>Focal Length</b>	GV-EDR1100-0F	2.8 mm	GV-EDR2100-0F	2.8 mm	GV-EDR4700-0F / EDR2700-0F		2.8 mm	
	GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	GV-EDR4700-2F / EDR2700-2F		3.8 mm	
<b>Maximum Aperture</b>	GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	GV-EDR4700-0F / EDR2700-0F		F/2.0	
	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	GV-EDR4700-2F / EDR2700-2F		F/1.8	
<b>Mount</b>	M12, Pitch 0.5 mm							
<b>Image Format</b>	1/2.7"							
<b>Horizontal FOV</b>	GV-EDR1100-0F	93°	GV-EDR2100-0F	99°	GV-EDR4700-0F	96°	GV-EDR2700-0F	100°
	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	GV-EDR4700-2F	72°	GV-EDR2700-2F	73°
<b>Operation</b>	<b>Focus</b>	Fixed						
	<b>Zoom</b>	Fixed						
	<b>Iris</b>	Fixed						
<b>IR LED Quantity</b>	12 IR LEDs							
<b>Max. IR Distance</b>	15 m (50 ft)						40 m (131 ft)	
<b>Mechanical</b>								
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°						
	<b>Tilt</b>	0° ~ 63°						
	<b>Rotate</b>	N/A						
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE						
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable						
	<b>Audio</b>	N/A						
	<b>Local Storage</b>	N/A						Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II card type is not supported
<b>LED Indicator</b>	4 LEDs: Link, ACT, Power, Status							
<b>General</b>								
<b>Environment Temperature</b>	<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				6.07 W			
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant			
<b>Dimensions (L X W X H)</b>	ø 114 x 62.8 mm (4.49" x 2.47")							
<b>Weight</b>	600 g (1.32 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).



## Target Series Specifications (Part 5)




	GV-EBD4700	GV-EBD4711	GV-EFD2101	GV-EFD3101	GV-EFD5101
					
<b>Camera</b>					
<b>Image Sensor</b>	1/3" progressive scan low lux CMOS		1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS
<b>Picture Elements</b>	2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
<b>Minimum Illumination</b>	Color	0.05 Lux	0.005 Lux	0.01 Lux	0.12 Lux
	B/W	0.03 Lux	0.004 Lux	0.01 Lux	0.10 Lux
	IR ON	0 Lux		0 Lux	
<b>Shutter Speed</b>	Auto / Manual (1/6 ~ 1/8000 sec)		Auto, Manual (1/5 ~ 1/8000 sec)		
<b>White Balance</b>	Auto / Manual		Auto, Manual (2800K ~ 8500K)		
<b>Gain Control</b>	Auto / Manual		Automatic		
<b>S/N Ratio</b>	55 dB		56 dB	54 dB	46 dB
<b>WDR</b>	WDR Pro		Yes	WDR Pro	Yes
<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.265, H.264, MJPEG		H.264, MJPEG		
<b>Video Streaming</b>	Triple streams from H.265, H.264 or MJPEG		Dual streams		
<b>Frame Rate</b>	20 fps at 2592 x 1520		30 fps at 1920 x 1080	30 fps at 2048 x 1536	
	25 fps at 2560 x 1440			30 fps at 2592 x 1944	
	30 fps at 2048 x 1520				
<b>Audio Compression</b>	N/A	G.711	G.711, AAC (optional)		
<b>Audio Support</b>	N/A	One-way Audio	Two-way Audio		
<b>Optical Lens</b>					
<b>Megapixel</b>	Yes		Yes		
<b>Day/Night</b>	Yes (with removable IR-cut filter)		Yes (with removable IR-cut filter)		
<b>Lens Type</b>	Fixed	Motorized varifocal lens	Varifocal		
<b>Focal Length</b>	2.8 mm	2.7~12 mm	3 ~ 9 mm		
<b>Maximum Aperture</b>	F/1.8	F/1.4	F/1.7		
<b>Mount</b>	M12		Ø 14 mm		
<b>Image Format</b>	1/3"		1/2.8"		1/3.2"
<b>Horizontal FOV</b>	100°	91.0°~27.0°	102° ~ 40°	96° ~ 36°	92° ~ 32°
<b>Operation</b>	<b>Focus</b>		Auto / Manual	Manual (with lock)	
	<b>Zoom</b>	Fixed	4.4x Optical Zoom	Manual (with lock)	
	<b>Iris</b>		Fixed	P-Iris	
<b>Maximum Torque (Focus / Zoom Screws)</b>	N/A		0.049 N.m		
<b>IR LED Quantity</b>	1 IR LED	2 IR LEDs	20 IR LEDs		
<b>Max. IR Distance</b>	30 m (98.4 ft)		50 m (164.04 ft)		30 m (98.4 ft)
<b>Mechanical</b>					
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 360°		0° ~ 350°	
	<b>Tilt</b>	0° ~ 77°	0° ~ 75°	0° ~ 75°	
	<b>Rotate</b>	0° ~ 360°		0° ~ 340°	
<b>3-axis Mechanism</b>	Yes		Yes		
<b>Connectors</b>	<b>Power</b>	DC Jack		2-pin terminal block, PoE	
	<b>Ethernet</b>	RJ-45 connector		Ethernet (10/100 Base-T), RJ-45 cable	
	<b>Audio</b>	N/A	1 In (built-in microphone)	1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")	
	<b>TV-Out</b>	N/A		BNC connector (D1 resolution)	
<b>LED Indicator</b>	N/A		2 LEDs: Power, Status		
<b>Temperature Detector</b>			Yes		
<b>General</b>					
<b>Environment</b>	<b>Start-up</b>	-35°C ~ 60°C	-40°C ~ 60°C	0 °C ~ 50 °C (32 °F ~ 122 °F)	
<b>Temperature</b>	<b>Operation</b>	(-31°F ~ 140°F)	(-40°F ~ 140°F)		
<b>Humidity</b>	0% ~ 95% (no condensation)		10% to 90% (no condensation)		
<b>Power Source</b>	12V DC / PoE (IEEE 802.3af)		12V DC / PoE (IEEE 802.3af)		
<b>Max. Power Consumption</b>	5.5 W	8.16 W	5.8 W	7W	
<b>Regulatory</b>	CE, FCC, RoHS compliant		CE, FCC, RCM, RoHS compliant		
<b>Dimensions (L X W X H)</b>	Ø 126 x 94 mm (Ø5.0" x 3.7")		Ø 129 x 110 mm (Ø5.08" x 4.3")		Ø 125 x 99.5 mm (4.92" x 3.92")
	0.33 kg (0.73 lb)		0.67 kg (1.48 lb)		470 g (1.04 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).



## Target Series Specifications (Part 6)


		GV-EVD2100	GV-EVD3100	GV-EVD5100
				
<b>Camera</b>				
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
<b>Picture Elements</b>		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
	B/W	0.004 Lux	0.01 Lux	0.10 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
<b>WDR Pro (with WDR sensor)</b>		N/A	Yes	Yes
<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 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"
<b>Horizontal FOV</b>		102° ~ 40°	96° ~ 36°	92° ~ 32°
<b>Operation</b>	<b>Focus</b>	Manual (with lock)		
	<b>Zoom</b>	Manual (with lock)		
	<b>Iris</b>	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)
<b>Mechanical</b>				
<b>Camera Angle</b>	<b>Pan</b>	0° ~ 350°		
	<b>Tilt</b>	0° ~ 75°		
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 340°		
<b>3-axis Mechanism</b>		Yes		
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable		
	<b>Audio</b>	1 In (microphone phone jack, 3.5 mm / 0.14")		
		1 Out (stereo phone jack, 3.5 mm / 0.14")		
	<b>TV-Out</b>	BNC connector (D1 resolution)		
<b>LED Indicator</b>		2 LEDs: Power, Status		
<b>Temperature Detector</b>		Yes		
<b>General</b>				
<b>Environment Temperature</b>	<b>Start-up</b>	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		
	<b>Operation</b>	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		
<b>Humidity</b>		10% to 90% (no condensation)		
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)		
<b>Max. Power Consumption</b>		6.1 W		7 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		
<b>Dimensions (L X W X H)</b>		Ø 160 x 108.4 mm (6.2" x 4.27")		
<b>Weight</b>		1.15 kg (2.54 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).






## Target Series Specifications (Part 7)

		GV-EFER3700 (Outdoor)	GV-EFER3700-W (Outdoor)
			
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS	
<b>Picture Elements</b>		2048 (H) x 1536 (W)	
<b>Minimum Illumination</b>	<b>Color</b>	0.001 Lux	
	<b>B/W</b>	0.001 Lux	
	<b>IR ON</b>	0 Lux	
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/16000 sec.)	
<b>White Balance</b>		Automatic, Manual (2800K ~ 8500K)	
<b>Gain Control</b>		Automatic	
<b>S/N Ratio</b>		54 dB	
<b>WDR Pro (with WDR Sensor)</b>		Yes	
<b>Dynamic Range</b>		Up to 120 dB	
<b>Operation</b>			
<b>Video Compression</b>		H.265, H.264, MJPEG	
<b>Video Streaming</b>		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	
<b>Frame Rate</b>		50Hz: 25 fps at 2048 x 1536, 25 fps at 1440 x 1376 60Hz: 30 fps at 2048 x 1536, 30 fps at 1440 x 1376	
<b>Audio Compression</b>		G.711, AAC (Optional)	
<b>Sensor Input</b>		1 input (Dry Contact)	
<b>Sensor Output</b>		1 digital output (200mA 5V DC)	
<b>Optical Lens</b>			
<b>Megapixel</b>		Yes	
<b>Day/Night</b>		Yes (with removable IR-cut filter)	
<b>Focal Length</b>		1.24 mm	
<b>Maximum Aperture</b>		F/1.8	
<b>Mount</b>		M12	
<b>Image Format</b>		1/3"	
<b>Horizontal FOV</b>		185°	
<b>Operation</b>	<b>Focus</b>	Fixed	
	<b>Iris</b>	Fixed	
	<b>Zoom</b>	Fixed	
<b>IR LED Quantity</b>		3 IR LEDs	
<b>Max. IR Distance</b>		20 m (65.61 ft)	
<b>Mechanical</b>			
<b>Temperature Detector</b>		Yes	
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE	2-pin terminal block
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45	
	<b>Audio</b>	1 In (Externally connecting a microphone, 3.5 mm / 0.14") 1 Out (Stereo phone jack, 3.5 mm / 0.14")	
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")	
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
<b>LED Indicator</b>		2 LEDs: Power / Status	4 LEDs: Power / Status / WiFi Power / WiFi Status
<b>General</b>			
<b>Environment Temperature</b>	<b>Start-Up</b>	-20°C ~ 50°C (-4°F ~ 122°F)	
	<b>Operation</b>	-30°C ~ 50°C (-22°F ~ 122°F)	
<b>Humidity</b>		10% to 90% (no condensation)	
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)	12V DC
<b>Max. Power Consumption</b>		10.5 W	9.5 W
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant	
<b>Weight</b>		670 g (1.47 lb)	
<b>Ingress Protection</b>		IP67	
<b>Vandal Resistance</b>		IK8	



## 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:**

- 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 1)





		GV-FE3402 (Indoor)	GV-FE5302 (Indoor)	GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
<b>Without IR Ring</b>					
					
<b>Camera</b>					
<b>Image Sensor</b>		1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
<b>Picture Elements</b>		2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux
	<b>B/W</b>	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux
	<b>IR ON</b>	N/A			
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/8000 sec.)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		47 dB	45 dB	47 dB	45 dB
<b>WDR Pro (with WDR Sensor)</b>		Yes	N/A	Yes	N/A
<b>Dynamic Range</b>		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
<b>Operation</b>					
<b>Video Compression</b>		H.264, MJPEG			
<b>Video Streaming</b>		Dual Streams from H.264 or MJPEG			
<b>Frame Rate</b>		15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 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)
<b>With IR Ring</b>					
					
<b>Camera</b>					
Image Sensor		1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	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	0 Lux			
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		47 dB	45 dB	47 dB	45 dB
WDR Pro (with WDR Sensor)		Yes	N/A	Yes	N/A
Dynamic Range		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
<b>Operation</b>					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams from H.264 or MJPEG			
Frame Rate		15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200
Audio Compression		G.711, AAC (optional)			
Sensor Input		N/A			
Alarm Output		N/A			
<b>Optical Lens</b>					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Focal Length		1.19 mm	1.32 mm	1.19 mm	1.32 mm
Maximum Aperture		F/2.0			
Mount		M12, Pitch 0.5 mm			
Image Format		4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"
Horizontal FOV		180°			
Operation	Focus	Fixed			
	Iris				
	Zoom				
IR LED Quantity		6 IR LEDs			
Max. IR Distance		10 m (32.81 ft.)			
<b>Mechanical</b>					
Temperature Detector		Yes			
Connectors	Power	Terminal block (2 pin), PoE			
	Ethernet	Ethernet (10/100/1000 Base-T), RJ-45 Connector			
	Audio	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)	
	Digital I/O	N/A			
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
	USB	GV-WiFi Adapter or mini USB hard drive		N/A	
<b>General</b>					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)		-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)			
Power Source	w/o PoE Converter	Camera: 12V DC / 24V AC / PoE (IEEE 802.3af) IR LED ring: 12V D			
	w/ PoE Converter	PoE (IEEE 802.3 at)		N/A	
Max. Power Consumption	w/o PoE Converter	22 W		15.4 W	
	w/ PoE Converter	30 W		N/A	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimensions		Camera Body - Hard-Ceiling Mount (with IR LED Ring) Ø 175 x 48.36 mm (6.89" x 1.93")			
Weight	w/o PoE Converter	870 g (1.92 lb)		960 g (2.12 lb)	
	w/ PoE Converter	1.045 kg (2.3 lb)			
Ingress Protection		N/A			
Vandal Resistance		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 3)




		GV-FER5700 (Outdoor)	GV-FER12203 (Outdoor)	GV-UNFE2503 (Outdoor)	GV-UNFE2502 (Outdoor)	
						
<b>Camera</b>						
<b>Image Sensor</b>		1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS		
<b>Picture Elements</b>		2560 (H) x 2048 (V)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)		
<b>Minimum Illumination</b>	<b>Color</b>	0.04 Lux	0.1 Lux	0.02 Lux		
	<b>B/W</b>	0.03 Lux	0.05 Lux			
	<b>IR ON</b>	0 Lux				N/A
<b>Shutter Speed</b>		Automatic, Manual (1/30 ~ 1/16000 sec.)		Automatic, Manual (1/5 ~ 1/8000 sec.)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				
<b>Gain Control</b>		Automatic				
<b>S/N Ratio</b>		50 dB			52 dB	
<b>WDR Pro (with WDR Sensor)</b>		N/A				
<b>Dynamic Range</b>		Up to 72 dB				
<b>Operation</b>						
<b>Video Compression</b>		H.265, H.264, MJPEG		H.264, MJPEG		
<b>Video Streaming</b>		Dual streams from H.265, H.264 or MJPEG		Dual streams from H.264 or MJPEG		
<b>Frame Rate</b>		30 fps at 2560 x 1920	15 fps at 4000 x 3000, 25 fps at 2896 x 2768	30 fps at 1920 x 1080		
<b>Audio Compression</b>		G.711	G.711, AAC (optional)	AAC 32K		
<b>Sensor Input</b>		1 input (Dry Contact)			N/A	
<b>Alarm Output</b>		1 Digital Output (200mA 5V DC)			N/A	
<b>Optical Lens</b>						
<b>Megapixel</b>		Yes				
<b>Day/Night</b>		Yes (with removable IR-cut filter)				
<b>Focal Length</b>		1.45 mm	1.83 mm	1.19 mm		
<b>Maximum Aperture</b>		F/2.2	F/2.4	F/2.0		
<b>Mount</b>		M12				
<b>Image Format</b>		1/1.8"	1/1.7"	1/2.3"		
<b>Horizontal FOV</b>		180°				
<b>Operation</b>	<b>Focus</b>	Fixed				
	<b>Iris</b>					
	<b>Zoom</b>					
<b>IR LED Quantity</b>		6 IR LEDs	6 IR LEDs	8 IR LEDs	N/A	
<b>Max. IR Distance</b>		30 m (98.43 ft)	30 m (98.43 ft)	10 m (32.81 ft.)	N/A	
<b>Mechanical</b>						
<b>Temperature Detector</b>		Yes				
<b>Connectors</b>	<b>Power</b>	Terminal block (2 pin), PoE				
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector	Ethernet (10/100/1000 Base-T), RJ-45 Connector			
	<b>Audio</b>	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")		1 In (built-in microphone)		
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")			N/A	
	<b>Local Storage</b>	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.			Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * UHS-I and SDXC card types are not supported.	
	<b>USB</b>	GV-WiFi Adapter or USB hard drive			N/A	
<b>General</b>						
<b>Environment</b>	<b>Start-Up</b>	-20°C ~ 50°C (-4°F ~ 122°F)		-40°C ~ 50°C (-40°F ~ 122°F)		
	<b>Operation</b>	-30°C ~ 50°C (-22°F ~ 122°F)		-5 °C ~ 50 °C (23 °F ~ 122 °F)		
<b>Humidity</b>		10% to 90% (no condensation)				
<b>Power Source</b>		12V DC / PoE+ (IEEE 802.3af)	12V DC / 24V AC / PoE+ (IEEE 802.3af)	PoE (IEEE 802.3af)		
<b>Max. Power Consumption</b>		15.5 W	28 W	7.7 W	4.8 W	
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant		CE, FCC, RCM, RoHS compliant		
<b>Dimensions</b>		Ø 160.6 x 59.1 mm (6.32" x 2.33")		<b>Body</b>	78.5 x 47.36 x 32.5 mm	
				<b>Lens</b>	Ø 80.35 x 115.12 mm Ø 65 x 115.12 mm	
<b>Weight</b>		700 g (1.54 lb)		480 g (1.06 lb)	401 g (0.88 lb)	
<b>Ingress Protection</b>		IP67				
<b>Vandal Resistance</b>		IK10+ for metal casing			N/A	

**Note:**

- 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 (Part 1)





Camera	GV-SD220 (Indoor)		GV-SD220-S (Outdoor)		GV-SD2300 (Outdoor)		
	20X / 30X		20X / 30X				
							
Image Sensor	1/2.8 Progressive Scan CMOS				1/2.8" progressive scan super low lux CMOS sensor		
Picture Elements	1920 (H) x 1080 (V)						
Minimum Illumination	Color	0.05 lux at F/1.6				0.02 lux at F/1.6	
	B/W	0.005 lux at F/1.6				0.001 lux at F/1.6	
Shutter Speed					1/1 ~ 1/10000 sec		
White Balance					Auto / Manual		
AGC Control					Auto / Manual		
S/N Ratio					50 dB		
BLC					On / Off		
Optical Zoom	20x / 30x				20x		
Digital Zoom	12x				12x		
WDR Pro (with WDR sensor)	Yes				Yes		
Dynamic Range	Up to 100 dB				Up to 72 dB		
<b>Operation</b>							
Video Compression	H.264, MJPEG						
Video Streaming	Dual Streams						
Frame Rate	30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720						
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°		
Proportional Pan & Tilt	On / Off (pan and tilt speed is proportional to the zoom ratio)				Auto (Pan and tilt speed proportional to zoom ratio)		
Movement Speed					0.5° ~ 460°/s		
Presets					255		
Preset Accuracy					0.2°		
Sequence	Max Number		8				
	Max Presets Allowed		16				
Auto Pan					8		
Cruise					4		
Tour					8		
Privacy Mask					8		
Wide Dynamic Range					On / Off		
<b>Optical Lens</b>							
Megapixel					Yes		
Day/Night					Yes (with removable IR Cut Filter)		
Focal Length	4.7 ~ 94.0 mm (20x); 4.3 ~ 129 mm (30x)				4.7 ~ 94 mm		
Maximum Aperture					F / 1.6		
Operation	Focus	Auto/Manual				Auto/Manual	
	Zoom	20x / 30x				20x	
	Iris	Auto/Manual				Auto/Manual	
<b>Mechanical</b>							
Temperature Detector					Yes		
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) 1 out (RCA female for speaker)	
	Digital I/O	I/O wires				I/O Wires	
	Local Storage					Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
<b>General</b>							
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)		60 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 220 x 297.75 mm (8.66" x 11.72")	
Weight	3.2 Kg (7.1 lb)		4.7 Kg (10.4 lb)		4.7 kg (10.4 lb)		
Ingress Protection					IP67		
Vandal Resistance					IK10 for metal and polycarbonate casing		

**Note:**

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



## IP Speed Dome Camera Specifications (Part 2)


Camera	GV-SD2301 (Outdoor)	GV-SD2411 (Outdoor)	GV-SD2322-IR (Outdoor)	GV-SD3732-IR (Outdoor)
				
Image Sensor	1/2.8 Progressive scan super low lux CMOS sensor	1/2.8" Progressive scan super low lux CMOS sensor	1/2.8 Progressive scan low lux CMOS sensor	
Picture Elements	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.02 lux at F/1.6	0.05 lux at F/1.6	0.03 lux at F/1.6
	B/W	0.001 lux at F/1.6	0.002 lux at F/1.6	0.01 lux at F/1.6
	IR ON	N/A	N/A	0 Lux
Shutter Speed	1/1 ~ 1/10000 sec		1/6 ~ 1/8000 sec	
White Balance	Auto / Manual			
AGC Control	Auto / Manual			
S/N Ratio	50 dB		52 dB	55 dB
BLC	On / Off		N/A	
Optical Zoom	20x	30x	22x	33x
Digital Zoom	12x	12x	Unlimited	
WDR Pro (with WDR sensor)	Yes		N/A	Yes
Dynamic Range	Up to 100 dB	Up to 100 dB	Up to 72 dB	Up to 120 dB
<b>Operation</b>				
Video Compression	H.264, MJPEG			H.265, H.264 or MJPEG
Video Streaming	Dual streams from H.264 or MJPEG		Triple streams from H.264 or MJPEG	Triple streams from H.265, 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	30/25 fps (60/50 Hz) at 1920 x 1080	30 fps (60/ 50 Hz) at 2048 x 1536 60 fps (60 / 50 Hz) at 1920 x 1080
Audio Compression	G.711, AAC (optional)		G.711	
Sensor Input	4 Input (Dry Contact)		2 Input	
Alarm Output	1 Digital Output (200mA 5V DC)		1 Digital Output	
Pan Travel	360° endless			
Tilt Travel	-20° ~ 200°		-15° ~ 195°	
Movement Speed	0.5° ~ 460°/s		0.1° ~ 240°/s	
Presets	255			
Preset Accuracy	0.2°		0.1°	
Auto Pan	8		Yes	
Sequence	Max Number	8	16	
	Max Presets Allowed	16	32	
Cruise	4		16	
Tour (Patrol)	8		16	
Privacy Mask	24	8		24
Wide Dynamic Range	On / Off			
Optical Lens	Yes			
Megapixel	Yes			
Day/Night	Yes (with removable IR Cut Filter)			
Focal Length	4.7 ~ 94 mm	4.3 ~ 129 mm	4.7 ~ 103 mm	4.5 ~ 148.5 mm
Maximum Aperture	F/ 1.6			
Operation	Focus	Auto / Manual		
	Zoom	20x	30x	22x
	Iris	Auto / Manual		
IR LED Quantity	N/A		10 IR LEDs	
Max. IR Distance	N/A		150 m (492 ft)	
<b>Mechanical</b>				
Temperature Detector	Yes		N/A	
Connectors	Power	DC Jack, PoE		3-pin terminal block
	Ethernet	10/100 Base-T, RJ-45 connector		
	Audio	1 in (RCA female for microphone) 1 out (RCA female for speaker)		1 in (Audio in wire) 1 out (Audio out wire)
	Digital I/O	I/O Wires		I/O Wires
	Local Storage	SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported.	SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	Micro SD card slot (SDHC/SDXC, Class 10) *UHS-I and UHS-II card types are not supported
TV-Out	N/A		BNC connector	
<b>General</b>				
Environment Temperature	-40 °C ~ 70 °C (-40 °F ~ 158 °F)	-40 °C ~ 55 °C (-40 °F ~ 131 °F)	-40°C ~ 70°C (-40°F ~ 158°F)	
Humidity	20% to 90% (no condensation)			
Power Source	24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)		24V AC / 24V DC	
Max. Power Consumption	50 W (with 30 W Heater)		52.5 W	
Regulatory	CE, FCC, RCM, RoHS Compliant		CE, FCC, RoHS compliant	
Dimensions	Camera Body Ø 211.63 x 232 mm (8.332" x 9.13")		Ø 227 x 359.4 mm (8.94" x 14.15")	
Weight	3.1 kg (6.82 lb)		5.4 kg (11.9 lb)	
Ingress Protection	IP67		IP66	
Vandal Resistance	IK10 for metal and polycarbonate casing		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.



## Pinhole Camera Specifications


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

**Note:**

- 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

		GV-PPTZ7300
		
<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>Dynamic Range</b>		<b>FE:</b> Up to 72 dB; <b>SD:</b> Up to 100 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>		<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>		∅ 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:**

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## Thermal IP Camera

		GV-TM0100
		
<b>Camera</b>		
Image Sensor		Uncooled FPA Micro bolometer
Picture Elements		352 (H) x 288 (V)
Pixel Size		25 $\mu$ m
Thermal Sensitivity		$\leq 100$ mK at f/1,300K
Spectral Range		8 ~ 14 $\mu$ m
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		-20°C ~ 40 °C (-4 °F ~ 104 °F)
Humidity		20% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		10 W
Regulatory		CE, FCC, RCM, RoHS compliant
Dimensions		485.5 x 249.48 x 156.99 mm (19.11" x 9.82" x 6.18")
Weight (with rack)		2.75 kg (6.06 lb)

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