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










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			
															
Camera															
Image Sensor		1/3.2" progressive scan CMOS								1/2.5" progressive scan CMOS					
Picture Elements		1920 (H) x 1080 (V)				2048 (H) x 1536 (V)				2560 (H) x 1920 (V)					
Minimum Illumination	Color	0.08 Lux								0.15 Lux					
	B/W	0.05 Lux								0.10 Lux					
	IR ON	0 Lux													
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)								Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)								Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic													
S/N Ratio		47 dB								45 dB					
WDR Pro (with WDR Sensor)		Yes								N/A					
Dynamic Range		Up to 100 dB								Up to 72 dB					
Operation															
Video Compression		H.264, MJPEG								H.264, MJPEG					
Video Streaming		Dual streams								Dual Stream					
Frame Rate		30 fps at 1920 x 1080				20 fps at 2048 x 1536 30 fps at 1920 x 1080				10 fps at 2560 x 1920					
Audio Compression		G.711, AAC (optional)								G.711, AAC (optional)					
Sensor Input		1 input (Dry Contact)													
Alarm Output		1 Digital Output (200mA 5V DC)													
Optical Lens															
Megapixel		Yes													
Day/Night		Yes (with removable IR-cut filter)													
Lens Type		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens			
Focal Length	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													
Maximum Aperture	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														
Mount		CS Mount													
Image Format	BX2400-0F	1/3"		BX2400-3V		1/2.7"		1/2.5"		1/2.7"		1/2.5"		1/2.5"	
	BX2400-1F	1/2.5"		BX2400-4V											
	BX2400-2F														
Horizontal FOV	BX2400-1F	32°		BX2400-3V		77° ~ 28°		88°		78° ~ 28°		112°		84° ~ 35°	
	BX2400-2F	21°		BX2400-4V		73° ~ 27°									
Operation	Focus	Manual w/lock													
	Zoom	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)		Fixed		Manual (w/lock)			
	Iris	Fixed		DC drive		Fixed		P-Iris		Fixed		P-Iris			
Mechanical															
Temperature Detector		Yes													
Connectors	Power	2-pin terminal block, PoE													
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector								Ethernet (10/100/1000 Base-T), RJ-45 Connector					
	Audio	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")													
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"													
	Auto Iris	Not functional		Yes		Not functional		Yes		Not functional		Yes (with varifocal lens)			
	Local Storage	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.					
	TV-Out	BNC connector (640 x 480 resolution)								BNC connector (640 x 480 resolution)					
Mini USB	GV-WiFi Adapter or USB hard drive								GV-WiFi Adapter or USB hard drive						
LED Indicator		2 LEDs: Power, Status								2 LEDs: Power, Status					
General															
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)													
Humidity		10% to 90% (no condensation)													
Power Source		12V DC / PoE (IEEE 802.3af Class 3)								12V DC / 24V AC / PoE (IEEE 802.3af)					
Max. Power Consumption		9.5 W				9.5 W		7.12 W		9.5 W		6.77 W			
Regulatory		CE, FCC, RCM, RoHS compliant								CE, FCC, RCM, RoHS compliant					
Dimensions (L X W X H)		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") without lens								75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")					
Weight		300 g (0.66 lb)								321 g (0.71 lb)		300 g (0.66 lb)			
Note:															
<ol style="list-style-type: none"> The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480. Memory card slot (local storage) is not supported in Argentina. 										<ol style="list-style-type: none"> Mind the following limitations and requirements for the mini USB port: <ul style="list-style-type: none"> 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. Product design and specifications are subject to change without notice. 					



Box Camera Specifications (Part 3)




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

Note:

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



Ultra Box Camera Specifications





		GV-UBX1301 Series		GV-UBX2301 Series		GV-UBX3301 Series	
							
Camera							
Image Sensor		1/2.5" progressive scan CMOS					
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.15 Lux					
	B/W	0.10 Lux					
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB					
Dynamic Range		Up to 72 dB					
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536	
Audio Compression		G.711, AAC (optional)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Fixed					
Focal Length	GV-UBX1301-0F	2.8 mm	GV-UBX2301-0F	2.8 mm	GV-UBX3301-0F	2.8 mm	
	GV-UBX1301-1F	4 mm	GV-UBX2301-1F	4 mm	GV-UBX3301-1F	4 mm	
	GV-UBX1301-2F	8 mm	GV-UBX2301-2F	8 mm	GV-UBX3301-2F	8 mm	
Maximum Aperture	GV-UBX1301-0F	F/2.0	GV-UBX2301-0F	F/2.0	GV-UBX3301-0F	F/2.0	
	GV-UBX1301-1F	F/1.6	GV-UBX2301-1F	F/1.6	GV-UBX3301-1F	F/1.6	
	GV-UBX1301-2F		GV-UBX2301-2F		GV-UBX3301-2F		
Mount		M12, Pitch 0.5 mm					
Image Format		1/3"					
Horizontal FOV	GV-UBX1301-0F	69°	GV-UBX2301-0F	79°	GV-UBX3301-0F	80°	
	GV-UBX1301-1F	49°	GV-UBX2301-1F	58°	GV-UBX3301-1F	62°	
	GV-UBX1301-2F	25°	GV-UBX2301-2F	31°	GV-UBX3301-2F	33°	
Operation	Focus	Fixed					
	Zoom						
	Iris						
IR LED Quantity		4					
Max. IR Distance		10 m (32.81 ft)					
Mechanical							
Temperature Detector		Yes					
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator		2 LEDs: Power, Status					
General							
Environment Temperature		0°C ~ 40°C (32°F ~ 104°F)					
Humidity		10% to 90% (no condensation)					
Power Source		5V DC / PoE (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:

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






IR Arctic Box Camera Specifications (Part 1)

	GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX4700-E
   				
Camera				
Image Sensor	1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS		1/3" progressive scan super low lux CMOS
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	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
Operation				
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
Optical Lens				
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)
Mechanical				
Camera Angle	Pan	0° ~ 330°		
Adjustment	Tilt	0° ~ 90°		
Temperature Detector	Rotate	No		
	Power	Yes		
Connectors	Power	PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Auto Iris	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	
General				
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)		
	Operation	-40 °C ~ 50 °C (-40°F ~ 122°F)		
Humidity	10% to 90% (no condensation)			
Power Source	PoE (IEEE 802.3 at)			
Max. Power Consumption	20 W	23 W		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:**
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
 - Memory card slot (local storage) is not supported in Argentina.
 - Product design and specifications are subject to change without notice.



IR Arctic Box Camera Specifications (Part 2)







		GV-BX5300	GV-BX2510-E	GV-BX5310-E
				
Camera				
Image Sensor		1/2.5" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan super low lux CMOS
Picture Elements		2560 (H) x 1920 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	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		
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
S/N Ratio		45 dB	52 dB	45 dB
WDR Pro (with WDR Sensor)		N/A		
Dynamic Range		Up to 72 dB		
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		10 fps at 2560 x 1920	30 fps at 1920 x 1080	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)		
Sensor Input		1 input (Dry Contact)		
Alarm Output		1 digital output (200mA 5V DC)		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Varifocal Lens	Motorized Varifocal Lens	
Focal Length		4.5 ~ 10 mm	3.7 ~ 9 mm	4.5 ~ 9 mm
Maximum Aperture		F/1.6	F/1.2	
Mount		CS Mount	Ø14 mm	
Image Format		1/2"	1/2.7"	
Horizontal FOV		70° ~ 34°	70° ~ 39°	
Operation	Focus	Manual (w/lock)	Auto focus	
	Zoom	Manual (w/lock)	2.4X optical zoom	2X optical zoom
Iris		Manual (w/lock)		P-Iris
IR LED Quantity		4 IR LEDs		
Max. IR Distance		15 m (50 ft)	70 m (230 ft)	50 m (164 ft)
Mechanical				
Camera Adjustment	Pan	0° ~ 330°		
	Tilt	0° ~ 90°		
	Rotate	No		
Temperature Detector		Yes		
Connectors	Power	PoE	2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Auto Iris	Yes (with varifocal lens)		
Digital I/O		I/O wires		
Local Storage		N/A	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	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)		
	Operation	-30 °C ~ 50 °C (-22°F ~ 122°F)		
Humidity		10% to 90% (no condensation)		
Power Source		PoE (IEEE 802.3 at)	DC 48V, PoE++ (50W)	
Max. Power Consumption		21.6 W	50 W	
Regulatory		CE, FCC, RCM, 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")		Camera Body	406 x 145 x 109.5 mm (16" x 5.7" x 4.3")
			Cable Length	1 m (39.4")
Weight		3.2 Kg (7.1 lb)	3.32 kg (7.32 lb)	
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal casing		
Heater On		On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)		
Fan		Constantly on		

Note:

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



Bullet Camera Specifications (Part 1)




		GV-BL1500	GV-BL2400	GV-BL2500	GV-BL3400	GV-BL3700	GV-BL5700
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2592 (H) x 1944 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	0.01 Lux	0.04 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	0.01 Lux	0.03 Lux
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		55 dB	47 dB	52 dB	47 dB	54 dB	50 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes	N/A	N/A
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 120 dB	Up to 72 dB
Operation							
Video Compression		H.264, MJPEG				H.265, 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 2048 x 1536	30 fps at 2592 x 1944
Audio Compression		G.711, AAC (optional)				G.711	
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				2.8 ~ 12 mm	4 ~ 8 mm
Maximum Aperture		F/1.2				F/1.7	F/1.65
Mount		Ø14 mm					
Image Format		1/2.7"					1/1.8"
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	98° ~ 35°	88° ~ 51°
Operation	Focus	Manual (w/lock)					
	Zoom	Manual (w/lock)					
	Iris	DC drive	DC drive	DC drive	DC drive	P-Iris	
IR LED Quantity		16 IR LEDs				12 IR LEDs	
Max. IR Distance		70 m (230 ft)	50 m (164 ft)			30 m (98.4 ft)	
Mechanical							
Camera	Pan	0° ~ 360°					
	Tilt	90° ~ 180°					
	Rotate	0° ~ 360°					
Temperature Detector		Yes					
Connectors	Power	2-pin terminal block, PoE				Terminal block for 12V DC, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (RCA female for microphone); 1 Out (RCA female for speaker)				1 In (terminal block for passive microphone) 1 Out (terminal block for speaker)	
	Digital I/O	I/O Wire				4-pin terminal block	
	Local Storage*	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.	
General							
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)				Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
						Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / 24V AC / PoE (IEEE 802.3af)				12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption		7.68 W	7.2 W	8 W	7.2 W	12.6 W	
Regulatory		CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant	
Dimensions	Camera Body	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")	
	Cable Length	1 m (3.28 ft)				N/A	
	Max. Cable Diameter	Ø 7.1 mm (0.28")				N/A	
	Max. Connector Diameter	Ø 25.2 mm (0.99")				N/A	
Weight		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)	
Ingress Protection		IP67					
Vandal Resistance		IK10 for metal casing					

Note:

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



Bullet Camera Specifications (Part 2)








		GV-BL1210	GV-BL3410	GV-BL5310
				
Camera				
Image Sensor		1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.05 Lux	0.08 Lux	0.15 Lux
	B/W	0.03 Lux	0.05 Lux	0.10 Lux
	IR ON		0 Lux	
Shutter Speed			Auto, Manual (1/5 ~ 1/8000sec)	
White Balance			Auto, Manual (2800K ~ 8500K)	
Gain Control			Automatic	
S/N Ratio		50 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Dual streams	
Frame Rate		30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression			G.711, AAC (optional)	
Sensor Input			1 input (Dry Contact)	
Alarm Output			1 digital output (200mA 5V DC)	
Optical Lens				
Megapixel			Yes	
Day/Night			Yes (with removable IR-cut filter)	
Lens Type			Motorized Varifocal Lens	
Focal Length		3 ~ 9 mm		4.5 ~ 9 mm
Maximum Aperture			F/1.2	
Mount			Ø14 mm	
Image Format			1/2.7"	
Horizontal FOV		86° ~ 32°	86° ~ 31°	70° ~ 39°
Operation	Focus		Auto Focus	
	Zoom	3X Optical Zoom		2X Optical Zoom
	Iris		DC drive	
IR LED Quantity			16 IR LEDs	
Max. IR Distance		40 m (131 ft)	50 m (164 ft)	40 m (131 ft)
Mechanical				
Camera Angle Adjustment	Pan		0° ~ 360°	
	Tilt		90° ~ 180°	
	Rotate		0° ~ 360°	
Connectors	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	
General				
Environment Temperature			-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption		11.52 W	12.48 W	
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions	Camera Body	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")		
	Cable Length	1 m (3.28 ft)		
	Max. Cable Diameter	Ø 7.1 mm (0.28")		
	Max. Connector Diameter	Ø 25.2 mm (0.99")		
Weight			1.4 Kg (3.08 lb)	
Ingress Protection			IP67	
Vandal Resistance			IK10 for metal casing	

Note:

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









Bullet Camera Specifications (Part 3)

		GV-BL1501	GV-BL2501	GV-BL3401	GV-BL2702	GV-BL4702	GV-BL2511-E	GV-BL5311-E			
											
Camera											
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS			
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)	2592(H) x 1520 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)			
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.005 Lux	0.03 Lux	0.02 Lux	0.15 Lux			
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.004 Lux	0.02 Lux	0.02 Lux	0.10 Lux			
	IR ON	0 Lux									
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)			Automatic, Manual (1/5 ~ 1/16000 sec)		Auto, Manual (1/5 ~ 1/8000sec)				
White Balance		Auto, Manual (2800K ~ 8500K)									
Gain Control		Automatic									
S/N Ratio		55 dB	52 dB	47 dB	56 dB	50 dB	52 dB	45 dB			
WDR Pro (with WDR sensor)		N/A	N/A	Yes	Yes	Yes	N/A	N/A			
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 130 dB	Up to 120 dB	Up to 72 dB	Up to 72 dB			
Operation											
Video Compression		H.264, MJPEG			H.265, H.264, MJPEG		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 1920 x 1080	30 fps at 2048 x 1520	30 fps at 1920 x 1080	10 fps at 2560 x 1920			
Audio Compression		G.711, AAC (optional)									
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				Motorized Varifocal Lens					
Focal Length		3 ~ 9 mm			GV-BL2702-3V	2.8 ~ 12 mm	2.8 ~ 12 mm	3 ~ 9 mm			
					GV-BL2702-4V	6 ~ 50 mm					
					GV-BL2702-5V	9 ~ 22 mm					
Maximum Aperture		F/1.2			GV-BL2702-3V	F/1.7	F/1.7	F/1.2			
					GV-BL2702-4V	F/1.6					
					GV-BL2702-5V	F/2.0					
Mount		Ø14 mm									
Image Format		1/2.7"									
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°	GV-BL2702-3V	110° ~ 38°	102° ~ 38°	103° ~ 36°	70° ~ 39°		
					GV-BL2702-4V	56° ~ 8°					
					GV-BL2702-5V	42° ~ 17°					
Operation	Focus	Manual (w/lock)					Auto Focus				
	Zoom	Manual (w/lock)					3X Optical Zoom		2X Optical Zoom		
	Iris	P-Iris									
IR LED Quantity		16 IR LEDs			5 IR LEDs		16 IR LEDs				
Max. IR Distance		70 m (230 ft)	50 m (164 ft)		60 m (196.85 ft)	50 m (164.04 ft)	50 m (164 ft)	40 m (131 ft)			
Mechanical											
Camera Angle Adjustment	Pan	0° ~ 360°									
	Tilt	90° ~ 180°									
	Rotate	0° ~ 360°									
Temperature Detector		Yes									
Connectors	Power	2-pin terminal block, PoE					2-pin terminal block				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector									
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)									
	Digital I/O	3-pin terminal block									
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)				
General											
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-20 °C ~ 60 °C (-4 °F ~ 140 °F)	-40°C ~ 50°C (-40 °F ~ 122 °F)				
	Operation				-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-20 °C ~ 60 °C (-4 °F ~ 140 °F)					
Humidity		10% to 90% (no condensation)									
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)					12V DC / 24V AC				
Max. Power Consumption		7.68 W	8 W	7.2 W	12.3 W		34 W	33.2 W			
Regulatory		CE, FCC, RCM, RoHS compliant									
Dimensions		340.4 x 87.75 x 120 mm (13.4" x 3.45" x 4.72")			ø 121.8 x 406 mm (4.79" x 15.98")		355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")				
Weight		1.91 kg (4.21 lb)			2.04 kg (4.50 lb)	2.14 kg (4.72 lb)		1.96 kg (4.32 lb)			
Heater		N/A									
Fan		NA									
Ingress Protection		IP67									
Vandal Resistance		IK10 for metal casing									



Bullet Camera Specifications (Part 4)







		GV-BL1511	GV-BL2511	GV-BL3411	GV-BL5311	GV-BL4713	GV-BL5713
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3" progressive scan super low lux CMOS	1/1.8" progressive scan low lux CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2592 (H) x 1520 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.15 Lux	0.03 Lux	0.04 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.10 Lux	0.02 Lux	0.03 Lux
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)				Automatic, Manual (1/5 ~ 1/16000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		55 dB	52 dB	47 dB	45 dB	50 dB	
WDR Pro (with WDR sensor)		N/A	N/A	Yes	N/A	Yes	N/A
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 120 dB	Up to 72 dB
Operation							
Video Compression		H.264, MJPEG				H.265, H.264, MJPEG	
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 2048 x 1520	30 fps at 2592 x 1944
Audio Compression		G.711, AAC (optional)					
Sensor Input		1 input (Dry Contact)					
Alarm Output		1 digital output (200mA 5V DC)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Motorized Varifocal Lens					
Focal Length		3 ~ 9 mm			4.5 ~ 9 mm	2.8 ~ 12 mm	4 ~ 8 mm
Maximum Aperture		F/1.2					
Mount		Ø14 mm					
Image Format		1/2.7"					
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 39°	102° ~ 38°	90° ~ 50°
Operation	Focus	Auto Focus					
	Zoom	3X Optical Zoom			2X Optical Zoom	4.3X optical zoom	2X optical zoom
	Iris	P-Iris					
IR LED Quantity		16 IR LEDs				5 IR LEDs	
Max. IR Distance		70 m (230 ft)	50 m (164 ft)		40 m (131 ft)	50 m (164.04 ft)	
Mechanical							
Camera Angle Adjustment	Pan	0° ~ 360°					
	Tilt	90° ~ 180°					
	Rotate	0° ~ 360°					
Temperature Detector		Yes					
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
	Digital I/O	3-pin terminal block					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *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.	
General							
Environment Temperature		-20 °C ~ 50 °C (-4 °F ~ 122 °F)					
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)					
Max. Power Consumption		13.8 W	13.4 W		12.48 W	12.9 W	13 W
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions		355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")				ø128.64 x 406 mm (5.06" x 15.98")	
Weight		1.96 Kg (4.32 lb)				2.44 kg (5.38 lb)	
Ingress Protection		IP67					
Vandal Resistance		IK10 for metal casing					

Note:

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



Ultra Bullet Camera Specifications








	GV-UBL1211	GV-UBL2411	GV-UBL3411	GV-UBL1301 Series	GV-UBL2401 Series	GV-UBL3401 Series			
									
Camera									
Image Sensor	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				
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	0.08 Lux	0.08 Lux	0.15 Lux	0.08 Lux			
	B/W	0.03 Lux	0.05 Lux	0.05 Lux	0.10 Lux	0.05 Lux			
	IR ON	0 Lux							
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)								
White Balance	Auto, Manual (2800K ~ 8500K)								
Gain Control	Automatic								
S/N Ratio	50 dB	47 dB	47 dB	45 dB	47 dB				
WDR Pro (with WDR sensor)	N/A	Yes	Yes	N/A	Yes				
Dynamic Range	Up to 72 dB	Up to 100 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			
Sensor Input	1 input (Dry Contact)								
Alarm Output	1 digital output (200mA 5V DC)								
Optical Lens									
Megapixel	Yes								
Day/Night	Yes (with removable IR-cut filter)								
Lens Type	Motorized Varifocal Lens			Fixed Lens					
Focal Length	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
Maximum Aperture	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
Mount	Ø14 mm			M12					
Image Format	1/2.7"			1/3"					
Horizontal FOV	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°
Operation	Focus	Auto Focus							
	Zoom	3X Optical Zoom			Fixed				
	Iris	DC Drive							
IR LED Quantity	4 IR LEDs								
Max. IR Distance	10 m (32.81 ft)								
Mechanical									
Temperature Detector	Yes								
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof)							
	Digital I/O	I/O Wire							
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported							
General									
Environment Temperature	-10 °C ~ 45 °C (14 °F ~ 113 °F)			Start-up	-20 °C ~ 45 °C (-4 °F ~ 113 °F)	-20 °C ~ 45 °C (-4 °F ~ 113 °F)			
				Operation	-30 °C ~ 45 °C (-22 °F ~ 113 °F)				
Humidity	10% to 90% (no condensation)								
Power Source	5V DC / PoE (IEEE 802.3af)								
Max. Power Consumption	6.94 W			5.52W					
Regulatory	CE, FCC, RCM, RoHS compliant								
Dimensions	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")					
Weight	850 g (1.9 lb)			730 g (1.6 lb)					
Ingress Protection	IP67								
Vandal Resistance	IK10 for metal casing								

Note:

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



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° Tilt: 10° ~ 90°							
Adjustment	Rotate: 0° ~ 340°							
3-axis Mechanism	Yes							
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:

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



Vandal Proof Dome Specifications (Part 2)






		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes
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	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			
Maximum Aperture		F/1.2			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	82° ~ 30°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			
IR LED Quantity		6 IR High Power LEDs			
Max. IR Distance		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
Mechanical					
Camera Angle	Pan	-90° ~ 90°			
	Tilt	0° ~ 85°			
Adjustment	Rotate	0° ~ 350°			
	3-axis Mechanism	Yes			
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")			
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
TV-Out		BNC connector (640 x 480 resolution)			
LED Indicator		2 LEDs: Power, Status			
General					
Environment	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE 802.3at)			
Max. Power Consumption		15.4 W			
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions		Ø176.5 x 118 mm (6.9" x 4.6")			
Weight		1.76 kg (3.88 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10+			

Note:

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








Vandal Proof Dome Specifications (Part 3)

		GV-VD3700	GV-VD5700	GV-VD2702	GV-VD4702	GV-VD8700
						
Camera						
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	1/2.5" progressive scan 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)	3840 (H) x 2160 (V)
Minimum Illumination	Color	0.01 Lux	0.04 Lux	0.005 Lux	0.03 Lux	0.05 Lux
	B/W	0.01 Lux	0.03 Lux	0.004 Lux	0.02 Lux	0.04 Lux
IR ON				0 Lux		
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		Auto, Manual (1/5 ~ 1/16000 sec)	Auto, Manual (1/5 ~ 1/8000 sec)	Automatic, Manual (1/30 ~ 1/8000 sec.)
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		N/A
Dynamic Range		Up to 120 dB	Up to 72 dB	Up to 130 dB	Up to 120 dB	Up to 72 dB
Operation						
Video Compression		H.265, H.264, MJPEG				H.265, H.264
Video Streaming		Dual streams		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG		Stream 1 from H.265 or H.264 Stream 2 from H.264 Stream 3 from H.264
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	50 Hz: 30 fps at 3840 x 2160 60 Hz: 30 fps at 3840 x 2160
Audio Compression		G.711			G.711, AAC (optional)	
Sensor Input		1 Input (Dry Contact)				
Alarm Output		1 Output (200mA 5V DC)				
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Lens Type		Varifocal Lens				
Focal Length		2.8 ~ 12 mm	4 ~ 8 mm	2.8 ~ 12 mm		3.3 ~ 12 mm
Maximum Aperture		F/1.7	F/1.65	F/1.7		F/1.4
Mount		Ø14 mm				
Image Format		1/2.7"	1/1.8"	1/2.7"		1/2.5"
Horizontal FOV		98° ~ 35°	88° ~ 51°	110° ~ 38°	102° ~ 36°	106° ~ 42°
Operation	Focus	Manual (w/lock)				
	Zoom	Manual (w/lock)				
	Iris	P-Iris				
IR LED Quantity		12 IR LEDs		4 IR LEDs		20 IR LEDs
Max. IR Distance		30 m (98.4 ft)				40 m (131.23 ft)
Mechanical						
Camera Angle Adjustment	Pan	0° ~ 360°			0° ~ 350°	
	Tilt	90° ~ 180°			0° ~ 75°	
	Rotate	0° ~ 355°			0° ~ 340°	
3-axis Mechanism		Yes				
Temperature Detector		Yes				
Connectors	Power	Terminal block for 12V DC, PoE			2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	1 In (terminal block for passive microphone) 1 Out (terminal block for speaker)		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)		1 In (built-in or external microphone); 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)	N/A
LED Indicator		N/A		2 LEDs: Power, Status		
General						
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		-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		11.04 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)		1.2 kg (2.64 lb)
Ingress Protection		IP67			IP66	
Vandal Resistance		IK10			IK10 for metal casing	



Vandal Proof Dome Specifications (Part 4)






		GV-VD1540	GV-VD2440	GV-VD2540	GV-VD2712	GV-VD4712	GV-VD3440
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.005 Lux	0.03 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.004 Lux	0.02 Lux	0.05 Lux
		0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			Auto, Manual (1/5 ~ 1/16000 sec)		Auto, Manual (1/5 ~ 1/8000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		55 dB	47 dB	52 dB	56 dB	50 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 130 dB	Up to 120 dB	Up to 100 dB
Operation							
Video Compression		H.264, MJPEG			H.265, H.264, MJPEG		H.264, MJPEG
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080			30 fps at 2048 x 1520	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)					
Sensor Input		1 Input (Dry Contact)					
Alarm Output		1 Output (200mA 5V DC)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Motorized Varifocal Lens					
Focal Length		3 ~ 9 mm			2.8 ~ 12 mm		3 ~ 9 mm
Maximum Aperture		F/1.2			F/1.2	F/1.4	F/1.2
Mount		Ø14 mm					
Image Format		1/2.7"					
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	110° ~ 38°	90° ~ 35°	86° ~ 31°
Focus		Auto Focus					
Operation Zoom		3x Optical Zoom			4.3x optical zoom		3x Optical Zoom
Iris		DC drive			P-Iris		DC drive
High Power LED		6 IR LEDs			4 IR LEDs		6 IR LEDs
Max. IR Distance		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)	
Mechanical							
Camera Angle		Pan			0° ~ 350°		-90° ~ 90°
		Tilt			0° ~ 85°		0° ~ 85°
Adjustment		Rotate			0° ~ 340°		0° ~ 350°
3-axis Mechanism		Yes					
Temperature Detector		Yes					
Power		2-pin terminal block, PoE					
Ethernet		Ethernet (10/100 Base-T), RJ-45 connector					
Audio		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
Digital I/O		3-pin terminal block, pitch 2.5 mm (0.1")			I/O wires		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			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
TV-Out		BNC connector					
LED Indicator		2 LEDs: Power, Status					
General							
Environment Temperature		-20 °C ~ 50 °C (-4 °F ~ 122 °F)			-30 °C ~ 60 °C (-22 °F ~ 140 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / 24V AC / PoE (IEEE 802.3at)			12V DC / PoE (IEEE 802.3af)		12V DC / 24V AC / PoE (IEEE 802.3at)
Max. Power Consumption		22.48 W			8.64 W	8.16 W	22.48 W
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant		CE, FCC, RCM, RoHS compliant
Dimensions		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")
Weight		1.83 kg (4.03 lb)			1.15 kg (2.54 lb)		1.83 kg (4.03 lb)
Ingress Protection		IP67					
Vandal Resistance		IK10+			IK10		IK10+

Note:

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



Vandal Proof Dome Specifications (Part 5)





	GV-VD5340	GV-VD4711	GV-VD5711	GV-VD2540-E	GV-VD5340-E	
						
Camera						
Image Sensor	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	
Picture Elements	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)	
Minimum Illumination	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
Shutter Speed	0 Lux					
White Balance	Auto, Manual (1/5 ~ 1/8000 sec)					
Gain Control	Auto, Manual (2800K ~ 8500K)					
S/N Ratio	Automatic					
WDR	45 dB	50 dB	46 dB	52 dB	45 dB	
Dynamic Range	Yes	WDR Pro	Yes	Yes		
Operation	Up to 72 dB	Up to 120 dB	Up to 72 dB	Up to 72 dB		
Video Compression	H.264, MJPEG	H.265, H.264, MJPEG		H.264, MJPEG		
Video Streaming	Dual streams	Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG		Dual streams		
Frame Rate	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	
Audio Compression	G.711, AAC (optional)	G711		G.711, AAC (optional)		
Sensor Input	1 Input (Dry Contact)					
Alarm Output	1 Output (200mA 5V DC)					
Optical Lens						
Megapixel	Yes					
Day/Night	Yes (with removable IR-cut filter)					
Lens Type	Motorized Varifocal Lens					
Focal Length	3.3 ~ 9 mm	2.8 ~ 12 mm	4 ~ 8 mm	3 ~ 9 mm	3.3 ~ 9 mm	
Maximum Aperture	F/1.2	F/1.7	F/1.65	F/1.2		
Mount	Ø14 mm					
Image Format	1/2.7"	1/2.7"	1/1.8"	1/2.7"		
Horizontal FOV	100° ~ 39°	95° ~ 36°	90° ~ 48°	103° ~ 36°	100° ~ 39°	
Operation	Auto Focus					
Zoom	3x Optical Zoom	4.3x Optical Zoom	2x Optical zoom	3x Optical Zoom		
Iris	DC drive	P-Iris		DC drive		
High Power LED	6 IR LEDs					
Max. IR Distance	20 m (65.6 ft)	30 m (100 ft.)		25 m (82.0 ft)	20 m (65.6 ft)	
Mechanical						
Camera Angle	Pan: -90° ~ 90°					
Adjustment	Tilt: 0° ~ 85°					
3-axis Mechanism	Rotate: 0° ~ 350°					
Temperature Detector	Yes					
Connectors	Power: 2-pin terminal block, PoE					
Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	Ethernet (10/100 Base-T), RJ-45 cable		Ethernet (10/100 Base-T), RJ-45 connector		
Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")					
Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	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		
TV-Out	BNC connector (640 x 480 resolution)	BNC connector (D1 solution)		BNC connector (640 x 480 resolution)		
LED Indicator	2 LEDs: Power, Status					
General						
Environment Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			-40 °C ~ 50 °C (-40 °F ~ 122 °F)		
Heat On	N/A	N/A		On (0°C / 32°F), Off (1°C / 33.8°F)		
Fan	N/A			Constantly on		
Humidity	10% to 90% (no condensation)					
Power Source	12V DC / 24V AC / PoE (IEEE 802.3at)					
Max. Power Consumption	22.48 W	25.5 W		30 W		
Regulatory	CE, FCC, RCM, RoHS compliant					
Dimensions	Ø176.5 x 118 mm (6.9" x 4.6")					
Weight	1.83 kg (4.03 lb)					
Ingress Protection	IP67					
Vandal Resistance	IK10+					

Note:

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



Fixed Dome Specifications (Part 1)




		GV-FD1500	GV-FD2500	GV-FD3400	GV-FD5300
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.10 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	52 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A	N/A	Yes	N/A
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Digital output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			4.5 ~ 10 mm
Maximum Aperture		F/1.2			F/1.6
Mount		Ø14 mm			CS Mount
Image Format		1/2.7"			1/2.5"
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 34°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	P-Iris	P-Iris	Manual (w/lock)	
IR LED Quantity		10 IR LEDs			25 m (82 ft)
Max. IR Distance		30 m (98.4 ft)			25 m (82 ft)
Mechanical					
Camera	Pan	0° ~ 350°			
	Angle	10° ~ 90°			
	Adjustment	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 (microphone phone jack, 3.5mm / 0.14")			
		1 Out (Stereo phone jack, 3.5mm / 0.14")			
	Digital I/O	3-pin terminal block, pitch 2.5 mm			
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
TV-Out	BNC connector (640 x 480 resolution)				
LED Indicator		2 LEDs: Power, Status			
General					
Environment Temperature		0 °C ~ 50 °C / 32 °F ~ 122 °F			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE 802.3af)			
Max. Power Consumption		12W			
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimension		Ø 155 x 110 mm (6.1" x 4.33")			
Weight		580 g (1.28 lb)			
Vandal Resistance		IK7			

Note:

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



Fixed Dome Specifications (Part 2)







		GV-FD1510	GV-FD2510	GV-FD3410
				
Camera				
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux
	IR ON		0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
S/N Ratio		55 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	N/A	Yes
Dynamic Range		Up to 72 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
Audio Compression		G.711, AAC (optional)		
Sensor Input		1 Input (Dry Contact)		
Alarm Output		1 Digital output (200mA 5V DC)		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Motorized Varifocal Lens		
Focal Length		3 ~ 9 mm		
Maximum Aperture		F/1.2		
Mount		Ø14 mm		
Image Format		1/2.7"		
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°
Operation	Focus	Auto Focus		
	Zoom	3X Optical Zoom		
	Iris	P-Iris	P-Iris	P-Iris
IR LED Quantity		10 IR LEDs		
Max. IR Distance		30 m (98.4 ft)		
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 350°		
	Tilt	10° ~ 90°		
	Rotate	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 (microphone phone jack, 3.5mm / 0.14") 1 Out (Stereo phone jack, 3.5mm / 0.14")		
	Digital I/O	3-pin terminal block, pitch 2.5 mm		
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
TV-Out		BNC connector (640 x 480 resolution)		
LED Indicator		2 LEDs: Power, Status		
General				
Environment Temperature		0 °C ~ 50 °C / 32 °F ~ 122 °F		
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / 24V AC / PoE (IEEE 802.3af)		
Max. Power Consumption		12W		
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimension		Ø 155 x 110 mm (6.1" x 4.33")		
Weight		580 g (1.28 lb)		
Vandal Resistance		IK7		

Note:

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



Cube Camera and Advanced Cube Camera Specifications






		Cube Camera		Advanced Cube Camera			
		GV-CB120	GV-CB220	GV-CA120	GV-CA220	GV-CAW120	GV-CAW220
							
Camera							
Image Sensor		1/2.5" progressive scan CMOS					
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux					
	B/W	0.10 Lux					
	IR ON	N/A					
	White Illumination LED	N/A		0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB					
Dynamic Range		Up to 72 dB					
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080
Audio Compression		G.711, AAC (optional)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (electronic)					
Lens Type		Fixed Lens					
Focal Length		3.35 mm					
Maximum Aperture		F/2.4					
Mount		M12 mm					
Image Format		1/3"					
Horizontal FOV		67°	77°	67°	77°	67°	77°
Operation	Focus	Fixed					
	Zoom						
	Iris						
Mechanical							
Connectors	Power	DC Jack		DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220)			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	built-in microphone and speaker					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator		2 LEDs: Status, LAN		4 LEDs: Status x 3, LAN/WiFi			
PIR Sensor		N/A		Built-in			
White Illumination LED				Yes			
Max. PIR / White Illumination LED Distance				5 m (16.4 ft)			
General							
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)					
Humidity		10% to 90% (no condensation)					
Power Source		5V DC		5V DC and PoE		5V DC	
Max. Power Consumption		3.2 W		7 W		6 W	
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions (LxWxH)		60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")		65.8 x 99.8 x 39 mm (2.59" x 3.92" x 1.54")			
Weight		80 g (0.18 lb)		100 g (0.2 lb)			

Note:

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



Mini Fixed Dome Specifications



		GV-MFD1501 Series		GV-MFD2401 Series		GV-MFD2501 Series		GV-MFD3401 Series		GV-MFD5301 Series	
											
Camera											
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)	
Minimum Illumination	Color	0.01 Lux		0.08 Lux		0.02 Lux		0.08 Lux		0.15 Lux	
	B/W	0.01 Lux		0.05 Lux		0.02 Lux		0.05 Lux		0.10 Lux	
						N/A					
Shutter Speed						Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance						Auto, Manual (2800K ~ 8500K)					
Gain Control						Automatic					
S/N Ratio		55 dB				52 dB				55 dB	
WDR Pro (with WDR Sensor)		N/A		Yes		N/A		Yes		N/A	
Dynamic Range		Up to 72 dB		Up to 100 dB		Up to 72 dB		Up to 100 dB		Up to 72 dB	
Operation											
Video Compression						H.264, MJPEG					
Video Streaming						Dual streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		30 fps at 1920 x 1080		20 fps at 2048 x 1536		10 fps at 2560 x 1920	
Audio Compression						G.711, AAC (optional)					
Optical Lens											
Megapixel						Yes					
Day/Night						Yes (electronic)					
Lens Type						Fixed Lens					
Focal Length	MFD1501-0F	2.8 mm	MFD2401-0F	2.8 mm	MFD2501-0F	2.8 mm	MFD3401-0F	2.8 mm	MFD5301-0F	2.8 mm	
	MFD1501-1F	4 mm	MFD2401-2F	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	
Maximum Aperture	MFD1501-0F	F/2.0	MFD2401-0F	F/2.0	MFD2501-0F	F/2.0	MFD3401-0F	F/2.0	MFD5301-0F	F/2.0	
	MFD1501-1F	F/1.5	MFD2401-2F	F/1.6	MFD2501-1F	F/1.5	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6	
	MFD1501-2F	F/1.6	MFD2401-3F	F/1.6	MFD2501-2F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6	
	MFD1501-3F	F/1.6	MFD2401-4F	F/1.8	MFD2501-3F	F/1.6	MFD3401-5F	F/1.8	MFD5301-5F	F/1.8	
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2	MFD5301-5F	F/1.8	
Mount	M12, Pitch 0.5 mm										
	1/3"										
Image Format											
Horizontal FOV	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°	
Operation	Focus	Fixed									
	Zoom	Fixed									
	Iris	Fixed									
Mechanical											
Camera Angle Adjustment	Pan	-45° ~ 45°									
	Tilt	0° ~ 90°									
Temperature Detector		Yes									
Connectors	Power	PoE, 2-pin terminal block									
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector									
	Audio	1 In (Built-in microphone), 1 Out (RCA female for speaker)									
	USB	GV-WiFi adapter or USB hard drive									
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported									
LED Indicator		4 LEDs: Link, ACT, Power, Status									
General											
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)									
Humidity		10% to 90% (no condensation)									
Power Source		DC 5V, PoE (IEEE 802.3af)									
Max. Power Consumption		6 W									
Regulatory		CE, FCC, RCM, RoHS compliant									
Dimensions		ø106 x 53.9 mm (4.2" x 2.1")									
Weight		280 g (0.62 lb)									

Note:

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



Mini Fixed Dome Specifications







		GV-MFD2700 Series		GV-MFD4700 Series	
					
Camera					
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	
Operation					
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)			
Optical Lens					
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)			
Mechanical					
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			
General					
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			

Note:

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



Mini Fixed Rugged Dome Specifications





		GV-MDR220	GV-MDR320	GV-MDR520	GV-MDR1500 Series	GV-MDR3400 Series	GV-MDR5300 Series
							
Camera							
Image Sensor		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
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.15 Lux			0.01 Lux	0.08 Lux	0.15 Lux
	B/W	0.10 Lux			0.01 Lux	0.05 Lux	0.10 Lux
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB			55 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A			N/A	Yes	N/A
Dynamic Range		Up to 72 dB			Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (electronic)					
Lens Type		Fixed Lens					
Focal Length		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
Maximum Aperture		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
Mount		M12, Pitch 0.5 mm					
Image Format		1/2.5"					
Horizontal FOV		101°	110°	138°	MDR1500-1F 88° MDR1500-2F 64°	MDR3400-1F 85° MDR3400-2F 63°	MDR5300-1F 104° MDR5300-2F 76°
Operation	Focus	Fixed					
	Zoom						
	Iris						
Mechanical							
Camera Angle Adjustment		Pan -45° ~ 45° Tilt 0° ~ 90° Rotate 0° ~ 360°					
Temperature Detector		Yes					
Power		PoE					
Connectors		Ethernet (10/100 Base-T), RJ-45 connector					
Audio		built-in microphone					
Local Storage		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator		3 LEDs: Link, Power, Status					
General							
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)					
Humidity		10% to 90% (no condensation)					
Power Source		PoE					
Max. Power Consumption		3.4 W	3.6 W	3.47 W	4.28 W	3.81 W	
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions	Camera Body	ø 115 x 59.2 mm (4.5" x 2.3")					
	Cable Length	1.054 m (41.5")					
	Cable Diameter	ø 6.2 mm (0.24")					
	Connector Diameter	Max. ø 30 mm (1.18")			M12: ø 14.7 mm (0.58") Waterproof: ø 27 mm (1.06") Non-waterproof (Smaller) : 16.8 x 13.8 mm (0.66" x 0.54")		
Weight		568g (1.3 lb)					
Ingress Protection		IP67					
Vandal Resistance		IK10 for metal casing					

Note:

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



Target Series Specifications (Part 1)





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

Note:

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



Target Series Specifications (Part 2)




		GV-EBL2101	GV-EBL2111	GV-EBL3101	GV-EBL5101
					
Camera					
Image Sensor		1/2.8" progressive scan super low lux CMOS			1/3.2" progressive scan low lux CMOS
Picture Elements		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
Minimum Illumination	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			
Shutter Speed		Auto, Manual (1/30 ~ 1/16000 sec)			Automatic, manual (1/5 ~ 1/8000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		56 dB		54 dB	46 dB
WDR		Yes		WDR Pro	Yes
Dynamic Range		Up to 72 dB		Up to 120 dB	Up to 72 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1920 x 1080		30 fps at 2048 x 1536	30 fps at 2592 x 1944 (60/50 Hz)
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal	Motorized varifocal	Varifocal	
Focal Length		3 ~ 9 mm		2.8 ~ 12 mm	
Maximum Aperture		F/1.7			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		102° ~ 40°		96° ~ 36°	90° ~ 48°
Operation	Focus	Manual (w/lock)	Auto Focus	Manual (w/lock)	
	Zoom	Manual (w/lock)	4.3x Optical Zoom	Manual (w/lock)	
	Iris	P-Iris			
IR LED Quantity		24 IR LEDs			
Max. IR Distance		75 m (246.06 ft)		60 m (196.85 ft)	30 m (98.42 ft)
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°			
	Tilt	90° ~ 180°			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable			
	Local Storage	N/A			
	LED Indicator	4 LEDs: Link, ACT, Power, Status			2 LEDs: Power, Status
General					
Environment Temperature	Startup	-20°C ~ 50°C (-4°F ~ 122°F)		-20°C ~ 50°C (-4°F ~ 122°F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)		-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		7.1 W	12.3 W	8.2 W	9.5 W
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant
Dimensions (L X W X H)		142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")			
Weight		810 g (1.79 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10 for metal casing			

Note:

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



Target Series Specifications (Part 2)




		GV-EBL4702 Series		GV-EBL2702 Series		GV-EBL4711		GV-ABL2701		
										
Camera										
Image Sensor		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS		1/2.7" progressive scan low lux CMOS		
Picture Elements		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.03 Lux		0.005 Lux		0.03 Lux		0.02 Lux		
	B/W	0.02 Lux		0.004 Lux		0.02 Lux		N/A		
IR ON		0 Lux								
Shutter Speed		Automatic, manual (1/5 ~ 1/16000 sec)						Auto / Manual (1/6 ~ 1/100000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)						Auto / Manual		
Gain Control		Automatic						Auto / Manual		
S/N Ratio		50 dB		56 dB		50 dB		52 dB		
WDR		WDR Pro						Yes		
Dynamic Range		Up to 120 dB		Up to 130 dB		Up to 120 dB		Up to 72 dB		
Operation										
Video Compression		H.265, H.264, MJPEG								
Video Streaming		Dual streams						Triple streams		
Frame Rate		30 fps at 2048 x 1520		30 fps at 1920 x 1080		30 fps at 2048 x 1520		25 fps at 1920 x 1080		
Optical Lens										
Megapixel		Yes								
Day/Night		Yes (with removable IR-cut filter)								
Lens Type		Fixed			Motorized varifocal			Fixed		
Focal Length	GV-EBL4702-1F / EBL2702-1F		6 mm		2.7 ~ 12 mm		4.0 mm			
	GV-EBL4702-2F / EBL2702-2F		3.8 mm							
Maximum Aperture	GV-EBL4702-1F / EBL2702-1F		F/2.0		F/1.6		F/1.8			
	GV-EBL4702-2F / EBL2702-2F		F/1.8							
Mount		Ø12 mm		M12, Pitch 0.5 mm		Ø14 mm		M12		
Image Format		1/2.7"								
Horizontal FOV	GV-EBL4702-1F		51°		GV-EBL2702-1F		52°		103° ~ 37°	
	GV-EBL4702-2F		72°		GV-EBL2702-2F		73°		80.8°	
Operation	Focus	Fixed						Auto		
	Zoom							4.4x optical zoom		
	Iris							P-Iris		
IR LED Quantity		6 IR LEDs						1 IR LED		
Max. IR Distance		30 m (98.4 ft)		60 m (197 ft)		30 m (98.42 ft)				
Mechanical										
Camera Angle Adjustment	Pan	0° ~ 360°						N/A		
	Tilt	90° ~ 180°								
Connectors	Power	2-pin terminal block, PoE						DC Jack, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable								
Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II /SDXC card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		N/A			
LED Indicator		2 LEDs: Power, Status						N/A		
General										
Environment Temperature	Startup	-20°C ~ 50°C (-4°F ~ 122°F)		-30°C ~ 60°C (-22°F ~ 140°F)		-20°C ~ 50°C (-4°F ~ 122°F)		-30°C ~ 60°C (-22°F ~ 140°F)		
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)								
Humidity		10% to 90% (no condensation)						0% ~ 95% (no condensation)		
Power Source		12V DC / PoE (IEEE 802.3af)								
Max. Power Consumption		9.12 W		9.10 W		13.12 W		5 W		
Regulatory		CE, FCC, RCM, LVD, RoHS compliant						FCC, UL, CE, RoHS compliant		
Dimensions (L X W X H)		129.54 x 80 x 102.75 mm (5.1" x 3.15" x 4.05")				144.14 x 77.72 x 102.75 mm (5.67" x 3.06" x 4.05")		162.9 x 62.4 x 62.7 mm (6.4" x 2.5" x 2.5")		
Weight		825 g (1.81 lb)		809 g (1.78 lb)		880 g (1.94 lb)		0.25 kg (0.55 lb)		
Ingress Protection		IP67						IP66		
Vandal Resistance		IK10 for metal casing						N/A		

Note:

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



Target Series Specifications (Part 3)






		GV-EFD1100 Series		GV-EFD2100 Series		GV-EFD4700 Series		GV-EFD2700 Series	
									
Camera									
Image Sensor		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	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.03 Lux		0.005 Lux	
	B/W	0.03 Lux		0.04 Lux		0.02 Lux		0.004 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		50 dB		48 dB		50 dB		56 dB	
WDR		Yes		Yes		WDR Pro			
Dynamic Range		Up to 72 dB				Up to 120 dB		Up to 130 dB	
Operation									
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 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)				G.711		G.711, AAC (optional)	
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed							
Focal Length		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		
Maximum Aperture		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		
Mount		M12, Pitch 0.5 mm							
Image Format		1/2.7"							
Horizontal FOV		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°
Operation	Focus	Fixed							
	Zoom	Fixed							
	Iris	Fixed							
IR LED Quantity		12 IR LEDs							
Max. IR Distance		15 m (50 ft)						40 m (131 ft)	
Mechanical									
Camera Angle Adjustment	Pan	-45° ~ 45°							
	Tilt	0° ~ 63°							
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable							
	Audio	1 In (built-in microphone)							
	Local Storage	N/A						Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II card type is not supported	
LED Indicator		4 LEDs: Link, ACT, Power, Status							
General									
Environment Temperature		0°C ~ 45°C (32°F ~ 113°F)							
Humidity		10% to 90% (no condensation)							
Power Source		12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption		5.8 W				6.07 W			
Regulatory		CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant			
Dimensions (L X W X H)		ø 100 x 60 mm (3.9" x 2.4")							
Weight		148 g (0.33 lb)							
Ingress Protection		N/A							
Vandal Resistance		N/A							

Note:

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



Target Series Specifications (Part 4)







		GV-EDR1100 Series		GV-EDR2100 Series		GV-EDR4700 Series		GV-EDR2700 Series		GV-ADR2701	
											
Camera											
Image Sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS		1/2.7" progressive scan low lux CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.03 Lux		0.005 Lux		0.02 Lux	
	B/W	0.03 Lux		0.04 Lux		0.02 Lux		0.004 Lux		N/A	
	IR ON					0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)				Auto, Manual (1/5 ~ 1/16000 sec)				Auto / Manual (1/6 ~ 1/100000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)								Auto / Manual	
Gain Control		Automatic								Auto / Manual	
S/N Ratio		50 dB		48 dB		50 dB		56 dB		52 dB	
WDR		Yes				WDR Pro				Yes	
Dynamic Range		Up to 72 dB				Up to 120 dB		Up to 130 dB		Up to 72 dB	
Operation											
Video Compression		H.264, MJPEG				H.265, H.264, MJPEG					
Video Streaming		Dual streams				Triple streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080		25 fps at 1920 x 1080	
Audio Compression						N/A					
Optical Lens											
Megapixel						Yes					
Day/Night						Yes (with removable IR-cut filter)					
Lens Type						Fixed					
Focal Length		GV-EDR1100-0F	2.8 mm	GV-EDR2100-0F	2.8 mm	GV-EDR4700-0F / EDR2700-0F		2.8 mm	2.8 mm		
		GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	GV-EDR4700-2F / EDR2700-2F		3.8 mm			
Maximum Aperture		GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	GV-EDR4700-0F / EDR2700-0F		F/2.0	F/2.2		
		GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	GV-EDR4700-2F / EDR2700-2F		F/1.8			
Mount		M12, Pitch 0.5 mm								M12	
Image Format		1/2.7"								N/A	
Horizontal FOV		GV-EDR1100-0F	93°	GV-EDR2100-0F	99°	GV-EDR4700-0F	96°	GV-EDR2700-0F	100°	105.2°	
		GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	GV-EDR4700-2F	72°	GV-EDR2700-2F	73°		
Operation		Focus					Fixed				
		Zoom									
		Iris									
IR LED Quantity		12 IR LEDs								1 IR LED	
Max. IR Distance		15 m (50 ft)				40 m (131 ft)				30 m (98.4 ft)	
Mechanical											
Camera Angle Adjustment		Pan	-45° ~ 45°								0° ~ 360°
		Tilt	0° ~ 63°								0° ~ 68°
		Rotate	N/A								
Connectors		Power	2-pin terminal block, PoE								DC Jack, PoE
		Ethernet	Ethernet (10/100 Base-T), RJ-45 cable								
		Audio	N/A								
		Local Storage	N/A				Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II card type is not supported				N/A
LED Indicator		4 LEDs: Link, ACT, Power, Status								N/A	
General											
Environment		-20°C ~ 50°C (-4°F ~ 122°F)								-30°C ~ 60°C (-22°F ~ 140°F)	
Temperature		-30°C ~ 50°C (-22°F ~ 122°F)									
Humidity		10% to 90% (no condensation)								0% ~ 95% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)									
Max. Power Consumption		5.8 W				6.07 W				5 W	
Regulatory		CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant				FCC, UL, CE, RoHS compliant	
Dimensions (L X W X H)		ø 114 x 62.8 mm (4.49" x 2.47")								ø 109 x 81 mm (ø4.3" x 3.2")	
Weight		600 g (1.32 lb)								0.3 kg (0.66 lb)	
Ingress Protection		IP67								IP66	
Vandal Resistance		IK10 for metal casing								N/A	

Note:

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



Target Series Specifications (Part 5)




		GV-EBD2702	GV-EBD4700	GV-EBD4711	GV-EFD2101	GV-EFD3101	GV-EFD5101		
									
Camera									
Image Sensor		1/2.7" progressive scan low lux CMOS sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS	
Picture Elements		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.02 Lux		0.05 Lux		0.005 Lux	0.01 Lux	0.12 Lux	
	B/W	N/A		0.03 Lux		0.004 Lux	0.01 Lux	0.10 Lux	
	IR ON	0 Lux		0 Lux		0 Lux			
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)		Auto / Manual (1/6 ~ 1/8000 sec)		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto / Manual		Auto / Manual		Auto, Manual (2800K ~ 8500K)			
Gain Control		Auto / Manual		Auto / Manual		Automatic			
S/N Ratio		52 dB		55 dB		56 dB	54 dB	46 dB	
WDR		Yes		WDR Pro		Yes	WDR Pro	Yes	
Dynamic Range		Up to 72 dB		Up to 100 dB		Up to 72 dB	Up to 100 dB	Up to 72 dB	
Operation									
Video Compression		H.265, H.264, MJPEG				H.264, MJPEG			
Video Streaming		Triple streams				Dual streams			
Frame Rate		30 fps at 1920 x 1080		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944	
Audio Compression		N/A		G.711		G.711, AAC (optional)			
Audio Support		N/A		One-way Audio		Two-way Audio			
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed		Motorized varifocal lens		Varifocal			
Focal Length		2.8 mm		2.7~12 mm		3 ~ 9 mm			
Maximum Aperture		F/1.8		F/1.4		F/1.7			
Mount		M12							
Image Format		1/2.7"		1/3"		1/2.8"		1/3.2"	
Horizontal FOV		109.9°		100°		91.0°~27.0°	102° ~ 40°	96° ~ 36°	92° ~ 32°
Operation	Focus	Fixed		Auto / Manual		Manual (with lock)			
	Zoom	Fixed		4.4x Optical Zoom		Manual (with lock)			
	Iris	Fixed		Fixed		P-Iris			
Maximum Torque (Focus / Zoom Screws)		N/A				0.049 N.m			
IR LED Quantity		1 IR LED		2 IR LEDs		20 IR LEDs			
Max. IR Distance		30 m (98.4 ft)				50 m (164.04 ft)		30 m (98.4 ft)	
Mechanical									
Camera Angle Adjustment	Pan	0° ~ 360°				0° ~ 350°			
	Tilt	0° ~ 77°				0° ~ 75°			
	Rotate	0° ~ 360°				0° ~ 340°			
3-axis Mechanism						Yes			
Connectors	Power	DC Jack				2-pin terminal block, PoE			
	Ethernet	RJ-45 connector				Ethernet (10/100 Base-T), RJ-45 cable			
	Audio	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")			
	TV-Out					BNC connector (D1 resolution)			
LED Indicator		N/A				2 LEDs: Power, Status			
Temperature Detector						Yes			
General									
Environment Temperature	Start-up	-35°C ~ 60°C		-40°C ~ 60°C		0 °C ~ 50 °C (32 °F ~ 122 °F)			
	Operation	(-31°F ~ 140°F)		(-40°F ~ 140°F)					
Humidity		0% ~ 95% (no condensation)				10% to 90% (no condensation)			
Power Source		12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption		5.5 W		8.16 W		5.8 W	7W		
Regulatory		CE, FCC, RoHS, UL compliant		CE, FCC, RoHS compliant		CE, FCC, RCM, RoHS compliant			
Dimensions (L X W X H)		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")			
Weight		0.33 kg (0.73 lb)		0.45 kg (0.99 lb)	0.67 kg (1.48 lb)	470 g (1.04 lb)			
Ingress Protection		IP67		IP66	IP67	N/A			

Note:

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



Target Series Specifications (Part 6)


		GV-EVD2100	GV-EVD3100	GV-EVD5100
				
Camera				
Image Sensor		1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
Minimum Illumination	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	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
S/N Ratio		56 dB	54 dB	46 dB
WDR Pro (with WDR sensor)		N/A	Yes	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944
Audio Compression		G.711, AAC (optional)		
Audio Support		Two-way Audio		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Varifocal		
Focal Length		3 ~ 9 mm		
Maximum Aperture		F/1.7		
Mount		Ø 14 mm		
Image Format		1/2.8"		1/3.2"
Horizontal FOV		102° ~ 40°	96° ~ 36°	92° ~ 32°
Operation	Focus	Manual (with lock)		
	Zoom	Manual (with lock)		
	Iris	P-Iris		
Maximum Torque (Focus / Zoom Screws)		0.049 N.m		
IR LED Quantity		20 IR LEDs		
Max. IR Distance		50 m (164.04 ft)		30 m (98.4 ft)
Mechanical				
Camera Adjustment	Pan	0° ~ 350°		
	Tilt	0° ~ 75°		
	Rotate	0° ~ 340°		
3-axis Mechanism		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable		
	Audio	1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")		
	TV-Out	BNC connector (D1 resolution)		
LED Indicator		2 LEDs: Power, Status		
Temperature Detector		Yes		
General				
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption		6.1 W		7 W
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions (L X W X H)		Ø 160 x 108.4 mm (6.2" x 4.27")		
Weight		1.15 kg (2.54 lb)		
Ingress Protection		IP67		
Vandal Resistance		IK10		

Note:

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



Target Series Specifications (Part 7)




		GV-EFER3700 (Outdoor)	GV-EFER3700-W (Outdoor)
			
Image Sensor		1/2.8" progressive scan super low lux CMOS	
Picture Elements		2048 (H) x 1536 (W)	
Minimum Illumination	Color	0.001 Lux	
	B/W	0.001 Lux	
	IR ON	0 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)	
White Balance		Automatic, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		54 dB	
WDR Pro (with WDR Sensor)		Yes	
Dynamic Range		Up to 120 dB	
Operation			
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		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	
Audio Compression		G.711, AAC (Optional)	
Sensor Input		1 input (Dry Contact)	
Sensor Output		1 digital output (200mA 5V DC)	
Optical Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Focal Length		1.24 mm	
Maximum Aperture		F/1.8	
Mount		M12	
Image Format		1/3"	
Horizontal FOV		185°	
Operation	Focus	Fixed	
	Iris	Fixed	
	Zoom	Fixed	
IR LED Quantity		3 IR LEDs	
Max. IR Distance		20 m (65.61 ft)	
Mechanical			
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block, PoE	2-pin terminal block
	Ethernet	Ethernet (10/100 Base-T), RJ-45	
	Audio	1 In (Externally connecting a microphone, 3.5 mm / 0.14") 1 Out (Stereo phone jack, 3.5 mm / 0.14")	
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")	
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
LED Indicator		2 LEDs: Power / Status	4 LEDs: Power / Status / WiFi Power / WiFi Status
General			
Environment	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC
Max. Power Consumption		10.5 W	9.5 W
Regulatory		CE, FCC, RCM, LVD, RoHS compliant	
Dimension		Ø 140.5 x 52.2 mm m (5.5" x 2.05")	
Weight		670 g (1.47 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK8	

Note:

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



PT and PTZ Camera Specifications





		GV-PT130D	GV-PT220D	GV-PT320D
				
Camera				
Image Sensor		1/2.5" progressive scan CMOS		
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.15 Lux		
	B/W	0.10 Lux		
	IR ON	0 Lux		
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
BLC		Yes		
Dynamic Range		Up to 72 dB		
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		30 fps at 1280 x 1024,	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)		
Sensor Input		1 Input (Dry Contact)		
Alarm Output		1 Digital output (200mA 5V DC)		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
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)		
Mechanical				
Camera Angle Adjustment	Pan	-175° ~ 175°		
	Tilt	-45° ~ 90°		
Temperature Detector		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (built-in microphone or external microphone)		
		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		
General				
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:

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



Fisheye Camera Specifications (Part 1)





		GV-FE3402 (Indoor)	GV-FE5302 (Indoor)	GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
Without IR Ring					
					
Camera					
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	N/A			
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		47 dB	45 dB	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
Operation					
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			
Optical Lens					
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	F/2.0	F/2.0	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	Fixed			
	Zoom	Fixed			
Mechanical					
Temperature Detector		Yes			
Connectors	Power	Terminal block (2 pin), PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector			
	Audio	1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")		1 In (built-in microphone), 1 Out (built-in speaker)	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
	Mini USB	GV-WiFi Adapter or USB hard drive		N/A	
General					
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		12V DC / 24V AC / PoE (IEEE 802.3af)			
Max. Power Consumption		8.6 W		3.6 W	
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions	Camera Body	Hard-Ceiling Mount	Ø 160.25 x 48.36 mm (6.31" x 1.93")		
		In-Ceiling Mount	Ø 166.48 x 48.36 mm (6.55" x 1.93")		
Weight		410 g (0.9 lb)		500 g (1.1 lb)	
Ingress Protection		N/A		IP67	
Vandal Resistance		IK10+ for metal casing			

Note:

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



Fisheye Camera Specifications (Part 2)





		GV-FE3403 (Indoor)	GV-FE5303 (Indoor)	GV-FER3403 (Outdoor)	GV-FER5303 (Outdoor)
		With IR Ring			
					
Camera					
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
Operation					
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			
Optical Lens					
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	Fixed			
	Zoom	Fixed			
IR LED Quantity		6 IR LEDs			
Max. IR Distance		10 m (32.81 ft)			
Mechanical					
Temperature Detector		Yes			
Connectors	Power	Terminal block (2 pin), PoE			
	Ethernet	Ethernet (10/100/1000 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	
General					
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:

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



Fisheye Camera Specifications (Part 3)




		GV-FER5700 (Outdoor)	GV-FER12203 (Outdoor)	GV-UNFE2503 (Outdoor)	GV-UNFE2502 (Outdoor)	
						
Camera						
Image Sensor		1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS		
Picture Elements		2560 (H) x 2048 (V)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.04 Lux	0.1 Lux	0.02 Lux		
	B/W	0.03 Lux	0.05 Lux			
	IR ON	0 Lux				N/A
Shutter Speed	Automatic, Manual (1/30 ~ 1/16000 sec.)			Automatic, Manual (1/5 ~ 1/8000 sec)		
White Balance	Auto, Manual (2800K ~ 8500K)					
Gain Control	Automatic					
S/N Ratio	50 dB		52 dB			
WDR Pro (with WDR Sensor)	N/A					
Dynamic Range	Up to 72 dB					
Operation						
Video Compression		H.265, H.264, MJPEG		H.264, MJPEG		
Video Streaming		Dual streams from H.265, H.264 or MJPEG		Dual streams from H.264 or MJPEG		
Frame Rate		30 fps at 2560 x 1920	15 fps at 4000 x 3000, 25 fps at 2896 x 2768	30 fps at 1920 x 1080		
Audio Compression		G.711		AAC 32K		
Sensor Input		1 input (Dry Contact)			N/A	
Alarm Output		1 Digital Output (200mA 5V DC)			N/A	
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Focal Length		1.45 mm	1.83 mm	1.19 mm		
Maximum Aperture		F/2.2	F/2.4	F/2.0		
Mount		M12				
Image Format		1/1.8"	1/1.7"	1/2.3"		
Horizontal FOV		180°				
Operation	Focus	Fixed				
	Iris					
	Zoom					
IR LED Quantity		6 IR LEDs	6 IR LEDs	8 IR LEDs	N/A	
Max. IR Distance		30 m (98.43 ft)	30 m (98.43 ft)	10 m (32.81 ft)	N/A	
Mechanical						
Temperature Detector		Yes				
Connectors	Power	Terminal block (2 pin), PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector	Ethernet (10/100/1000 Base-T), RJ-45 Connector			
	Audio	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)		
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")			N/A	
	Local Storage	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.	
	USB	GV-WiFi Adapter or USB hard drive			N/A	
General						
Environment	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)		-40°C ~ 50°C (-40°F ~ 122°F)		
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)		-5 °C ~ 50 °C (23 °F ~ 122 °F)		
Humidity		10% to 90% (no condensation)				
Power Source		12V DC / PoE+ (IEEE 802.3af)	12V DC / 24V AC / PoE+ (IEEE 802.3af)	PoE (IEEE 802.3af)		
Max. Power Consumption		15.5 W	28 W	7.7 W	4.8 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			CE, FCC, RCM, RoHS compliant	
Dimensions		∅ 160.6 x 59.1 mm (6.32" x 2.33")			Body	78.5 x 47.36 x 32.5 mm
					Lens	∅ 80.35 x 115.12 mm
Weight		700 g (1.54 lb)		480 g (1.06 lb)	401 g (0.88 lb)	
Ingress Protection		IP67				
Vandal Resistance		IK10+ for metal casing			N/A	

Note:

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



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	Color	0.05 lux at F/1.6		0.02 lux at F/1.6		
Illumination	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 / 30x		20x	
Digital Zoom	12x		12x		12x	
WDR Pro (with WDR sensor)	Yes		Yes		Yes	
Dynamic Range	Up to 100 dB		Up to 100 dB		Up to 72 dB	
Operation						
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		4 Input (Dry Contact)	
Alarm Output	1		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					
Optical Lens						
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		
Mechanical						
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				
General						
Environment Temperature	-10 °C ~ 50 °C (14 °F ~ -122 °F)		-40 °C ~ 50 °C (-40 °F ~ -122 °F)			
Humidity	20% to 90% (no condensation)					
Power Source	24V AC / 24V DC / PoE (IEEE 802.3at)		24V AC / 24V DC / PoE++ (60 W)		24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)	
Max. Power Consumption	30 W		60 W (with 30 W heater)		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:

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



IP Speed Dome Camera Specifications (Part 2)


Camera	GV-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
Operation				
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				
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)	
Mechanical				
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	
General				
Environment Temperature	-40 °C ~ 70 °C (-40 °F ~ 158 °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:

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



Pinhole Camera Specifications




		GV-UNP2500
		
Camera		
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
Operation		
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
Optical Lens		
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
Mechanical		
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
General		
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:

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



Panoramic PTZ IP Camera

		GV-PPTZ7300	GV-PPTZ14021	GV-PPTZ14031
				
Camera				
Image Sensor		FE: 1/2.5" progressive scan CMOS SD: 1/2.86" progressive scan CMOS	FE: 1/1.7" progressive scan CMOS SD: 1/3" progressive scan CMOS	
Picture Elements		FE: 2560 (H) x 1920 (V); SD: 1920 (H) x 1080 (V)	FE: 4000 (H) x 3000 (V); SD: 1920 (H) x 1080 (V)	
Minimum Illumination	Color	FE: 0.15 Lux; SD: 0.5 Lux	FE: 0.1 Lux; SD: 0.5 Lux	
	B/W	FE: 0.15 Lux; SD: 0.1 Lux	FE: 0.05 Lux; SD: 0.1 Lux	
Shutter Speed		FE: Automatic, Manual (1/5 ~ 1/8000 sec) SD: Automatic, Manual (1/6 ~ 1/60000 sec)	FE: Automatic, Manual (1/25 ~ 1/16000 sec.) SD: Automatic, Manual (1/6 ~ 1/30000 sec.)	
White Balance		Automatic, Manual (2800K ~ 8500K)	Automatic, Manual (2800K ~ 8500K)	
Gain Control		FE: Automatic; SD: Automatic, Manual	FE: Automatic; SD: Automatic, Manual	
S/N Ratio		FE: 45 dB; SD: 50 dB (AGC Off)	FE: 52 dB; SD: 50 dB (AGC Off)	
WDR		FE: Yes (WDR); SD: Yes (WDR Pro)	FE: N/A; SD: Yes (WDR Pro)	
Dynamic Range		FE: Up to 72 dB; SD: Up to 100 dB	FE: Up to 72 dB; SD: Up to 100 dB	
Operation				
Video Compression		H.264, MJPEG	H.265 (SD Only), H.264, MJPEG	
Video Streaming		Dual streams from H.264 or MJPEG	Dual streams from H.265 (SD Only), H.264 or MJPEG	
Frame Rate		FE: 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 SD: 30 fps at 1920 x 1080, 60 fps at 1280 x 720, 640 x 360, 448 x 252	FE: 15 fps at 4000 x 3000, 25 fps at 2896 x 2768 (60/50 Hz) SD: 60 fps at 1920 x 1080 (60/50 Hz)	
Audio Compression			G.711, AAC (optional)	
Sensor Input			4 Input (Dry Contact)	
Alarm Output		1 Digital Output (200 mA 5V DC)	1 Digital Output (4A 30V DC / 250V AC)	
Pan Travel		355°	360°	
Tilt Travel			-15° ~ 195°	
Proportional Pan & Tilt			Auto (Pan and tilt speed proportional to zoom ratio)	
Picture Flip			On / Off	
Sequence	Max. Number		8	
	Max. Presets		16	
Auto Pan			8	
Cruise			4	
Tour	Max. Number		8	
	Max. Number of Preset / Sequence / Auto Pan / Cruise		16	
Privacy Mask			8	
Wide Dynamic Range			On / Off	
Optical Lens				
Megapixel			Yes	
Day/Night			FE: Yes (Electronic); SD: Yes (with removable IR-cut filter)	
Focal Length		FE: 1.32 mm; SD: 5.1 ~ 51 mm	FE: 1.505 mm; SD: 4.7 ~ 94 mm	FE: 1.505 mm; SD: 4.3 ~ 129 mm
Maximum Aperture			FE: F/2.0; SD: F/1.6	
Horizontal FOV		FE: 180°; SD: 54° ~ 4.9°	FE: 180°; SD: 55.4° ~ 2.9°	FE: 180°; SD: 58.9° ~ 2.11°
Operation	Focus		FE: Fixed; SD: Auto / Manual	
	Zoom	FE: Fixed; SD: 10x	FE: Fixed; SD: 20x	FE: Fixed; SD: 30x
	Iris		FE: Fixed; SD: Auto / Manual	
Mechanical				
Temperature Detector			Yes	
Connectors	Power		DC Jack, 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 wires	
Local Storage*		2 micro SD card slots (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.	FE: Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) SD: SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card types are not supported.	
General				
Operating Temperature			-40°C ~ 50°C (-40°F ~ 122°F)	
Heater		Heater 1 On: 5°C (41°F); Off: 8°C (46.4°F) Heater 2 On: -7°C (19.4°F); Off: -2°C (28.4°F)	Heater 1 On: 15°C (59°F); Off: 18°C (64.4°F) Heater 2 On: 3°C (37.4°F); Off: 8°C (46.4°F)	
Fan On		45°C (113°F)	> 65°C (149°F), < 15°C (59°F)	
Humidity		20% to 90% (no condensation)	10% to 90% (no condensation)	
Power Source		DC 24V / AC 24V / High PoE (PoE++, 40 W)	DC 24V, 3.75A / AC 24V, 3A / High PoE (PoE++, 53W)	
Max. Power Consumption		40 W	53 W	
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions		Ø 211.63 x 272.00 mm (8.332" x 10.709")	Ø 211 x 277 mm (8.3" x 10.9")	
Weight		3.75 kg (8.27 lb)	3.3 kg (7.27 lb)	
Ingress Protection			IP67	
Vandal Resistance		IK10 for metal and polycarbonate casing	IK10 for metal casing	

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



Thermal IP Camera

		GV-TM0100
		
Camera		
Image Sensor		Uncooled FPA Micro bolometer
Picture Elements		352 (H) x 288 (V)
Pixel Size		25 um
Thermal Sensitivity		≤100 mK at f/1,300K
Spectral Range		8 ~ 14 um
Gain Control		Auto, Manual
Operation		
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
Optical Lens		
Focal Length		40 mm
Horizontal FOV		13.7°
Operation	Focus	Auto / Manual
	Zoom	2x (Digital)
	Iris	N/A
Observation Range		
Detection (2 pixels on target)	Human (1.8 x 0.5 m)	1450 m (4757 ft)
	Car (2.3 x 2.3 m)	1850 m (6070 ft)
Recognition (4 pixels on target)	Human (1.8 x 0.5 m)	480 m (1575 ft)
Recognition (6 pixels on target)	Car (2.3 x 2.3 m)	920 m (3018 ft)
Mechanical		
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
General		
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.