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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	Varifocal Lens	
						
Camera						
Image Sensor	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)		
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"> Product design and specifications are subject to change without notice. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). The TV-Out function only works 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. 	







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		
Focal Length	BX2400-0F	4 mm	BX2400-3V	2.8 ~ 12 mm	2.8 mm	3 ~ 10.5 mm	2.8 mm	
	BX2400-1F	8 mm	BX2400-4V	3 ~ 10.5 mm				
	BX2400-2F	12 mm	BX2400-3V					
Maximum Aperture	BX2400-0F	F/1.5	BX2400-3V	F/1.4	F/1.8	F/1.4	F/1.8	
	BX2400-1F	F/1.6	BX2400-4V					
	BX2400-2F							
Mount		CS Mount						
Image Format	BX2400-0F	1/3"	BX2400-3V	1/2.5"	1/2.5"	1/2.7"	1/2.5"	
	BX2400-1F	1/2.5"	BX2400-4V					1/2.7"
	BX2400-2F							
Horizontal FOV	BX2400-1F	32°	BX2400-3V	77° ~ 28°	88°	78° ~ 28°	112°	
	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		
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)		
Note:								
<ol style="list-style-type: none"> Product design and specifications are subject to change without notice. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). The TV-Out function only works 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 640 x 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. 				



Box Camera Specifications (Part 3)




	GV-BX2700 Series		GV-BX4700 Series		GV-BX5700 Series		GV-BX12201	
	GV-BX2700-8F Fixed Lens	GV-BX2700-3V Varifocal Lens	GV-BX4700-8F Fixed Lens	GV-BX4700-3V Varifocal Lens	GV-BX5700-8F Fixed Lens	GV-BX5700-3V Varifocal Lens		
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)		2560 (H) x 1440 (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			
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		25 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							
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:

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



Ultra Box Camera Specifications





		GV-UBX1301 Series		GV-UBX2301 Series		GV-UBX3301 Series	
							
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	Fixed					
	Iris	Fixed					
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:

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



IR Arctic Box Camera Specifications (Part 1)




	GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	BX4700-E
   				
Camera				
Image Sensor	1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)		2048 (H) x 1536 (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	25 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 Adjustment	Pan	0° ~ 330°		
	Tilt	0° ~ 90°		
	Rotate	No		
Temperature Detector	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:

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



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	Pan		0° ~ 330°	
Angle	Tilt		0° ~ 90°	
Adjustment	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	N/A	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	Start-up		-30 °C ~ 50 °C (-22°F ~ 122°F)	
Temperature	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)			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		-40°C ~ 8°C (-40°F ~ 46.4°F)	On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)	
Fan			Constantly on	

Note:

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



Bullet Camera Specifications (Part 1)




		GV-BL1500	GV-BL2400	GV-BL2500	GV-BL3400	GV-BL3700	GV-BL5700
							
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
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°					
Angle	Tilt	90° ~ 180°					
Adjustment	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 (RCA female for microphone); 1 Out (RCA female for speaker)				1 In (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)	
	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:

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



Bullet Camera Specifications (Part 2)






		GV-BL1210	GV-BL3410	GV-BL5310	
					
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	Pan		0° ~ 360°		
	Tilt		90° ~ 180°		
Adjustment	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 (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. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. Memory card slot (local storage) is not supported in Argentina.



Bullet Camera Specifications (Part 3)





		GV-BL1501	GV-BL2501	GV-BL3401	GV-BL2511-E	GV-BL5311-E
						
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	1/2.5" 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)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.02 Lux	0.15 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.02 Lux	0.10 Lux
	IR ON	0 Lux				
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)				
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		55 dB	52 dB	47 dB	52 dB	45 dB
WDR Pro (with WDR sensor)		N/A	N/A	Yes	N/A	N/A
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 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	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				
Maximum Aperture		F/1.2				
Mount		Ø14 mm				
Image Format		1/2.7"				
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°	103° ~ 36°	70° ~ 39°
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				
Max. IR Distance		70 m (230 ft)	50 m (164 ft)		50 m (164 ft)	40 m (131 ft)
Mechanical						
Camera Angle	Pan	0° ~ 360°				
	Tilt	90° ~ 180°				
Adjustment	Rotate	0° ~ 360°				
Temperature Detector		Yes				
Connectors	Power	2-pin terminal block, PoE			2-pin terminal block	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)				
	Digital I/O	3-pin terminal block				
Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			*SDXC and UHS-I card types are not supported	
General						
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)			-40°C ~ 50°C (-40 °F ~ 122 °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	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")			355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")	
Weight		1.91 kg (4.21 lb)			1.96 kg (4.32 lb)	
Heater		N/A			On: -40°C ~ 30°C (-40 °F ~ 86°F); Off: 31°C (87.8°F)	
Fan		NA			Constantly on	
Ingress Protection		IP67				
Vandal Resistance		IK10 for metal casing				

Note:

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



Bullet Camera Specifications (Part 4)







		GV-BL1511	GV-BL2511	GV-BL3411	GV-BL5311
					
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 1920 (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 ~ 1/8000sec)			
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		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		90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 39°
Operation	Focus	Auto Focus			
	Zoom	3X Optical Zoom			2X Optical Zoom
	Iris	P-Iris			
IR LED Quantity		16 IR LEDs			
Max. IR Distance		70 m (230 ft)	50 m (164 ft)	40 m (131 ft)	
Mechanical					
Camera Angle	Pan	0° ~ 360°			
	Tilt	90° ~ 180°			
Adjustment	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			
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	
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions		355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")			
Weight		1.96 Kg (4.32 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10 for metal casing			

Note:

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Ultra Bullet Camera Specifications








		GV-UBL1211	GV-UBL2411	GV-UBL3411	GV-UBL1301 Series	GV-UBL2401 Series	GV-UBL3401 Series					
												
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)	Operation		-20 °C ~ 45 °C (-4 °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:

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



Vandal Proof Dome Specifications (Part 1)






	(IK10+, Transparent Cover) - GV-VD120D - GV-VD121D (IK7, Transparent Cover) - GV-VD122D - GV-VD123D	(IK10+, Transparent Cover) GV-VD220D GV-VD221D (IK7, Transparent Cover) - GV-VD222D - GV-VD223D	(IK10+, Transparent Cover) - GV-VD320D - GV-VD321D (IK7, Transparent Cover) - GV-VD322D - GV-VD323D	GV-VD1500 (IK10+, Transparent Cover)	GV-VD2400 (IK10+, Transparent Cover)	GV-VD2500 (IK10+, Transparent Cover)	GV-VD3400 (IK10+, Transparent Cover)		
									
Camera									
Image Sensor	1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)		1920 (H) x 1080 (V) 2048 (H) x 1536 (V)		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.05 Lux		0.15 Lux		0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.03 Lux		0.10 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		N/A		Yes	N/A		Yes	
Dynamic Range	Up to 72 dB		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			
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/1.3		F/1.2				
Mount	Ø14 mm								
Image Format	1/3"		1/3"		1/2.7"				
Horizontal FOV	86° ~ 32°	82° ~ 30°	86° ~ 31°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°		
Operation	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							
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector							
	Audio	1 In (RCA female for microphone), 1 Out (RCA female for speaker)							
	Digital I/O	I/O Wire							
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported							
TV-Out	BNC connector (640 x 480 resolution)								
LED Indicator	2 LEDs: Power, Status								
General									
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)								
Humidity	10% to 90% (no condensation)								
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)								
Max. Power Consumption	12 W								
Regulatory	CE, FCC, RCM, RoHS compliant								
Dimensions	Camera Body	Ø 165 x 125 mm (6.49" x 4.92")							
	Cable Length	1 m (3.28 ft)							
	Cable Diameter	Ø 16.7 mm (0.66")							
	Max. Connector Diameter	Ø 16.7 mm (0.66")							
Weight	1.7 kg (3.75 lb)								
Ingress Protection	IP67								

Note:

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



Vandal Proof Dome Specifications (Part 2)




		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD2702	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	0.005 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.004 Lux	0.05 Lux
	IR ON	0 Lux				
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			Auto, Manual (1/5 ~ 1/16000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		55 dB	47 dB	52 dB	56 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 130 dB	Up to 100 dB
Operation						
Video Compression		H.264, MJPEG			H.265, H.264, MJPEG	
Video Streaming		Dual streams			Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	
Frame Rate		30 fps at 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)			G.711	
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			2.8 ~ 12 mm	3 ~ 9 mm
Maximum Aperture		F/1.2			F/1.7	F/1.2
Mount		Ø14 mm				
Image Format		1/2.7"				
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	110° ~ 38°	86° ~ 31°
Operation	Focus	Manual (w/lock)				
	Zoom	Manual (w/lock)				
	Iris	DC drive			P-Iris	DC drive
IR LED Quantity		6 IR High Power LEDs			4 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 Adjustment	Pan	-90° ~ 90°			0° ~ 350°	-90° ~ 90°
	Tilt	0° ~ 85°			0° ~ 75°	0° ~ 85°
	Rotate	0° ~ 350°			0° ~ 340°	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*	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.	
	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)			12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption		15.4 W			8.64 W	
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant	
Dimensions		Ø176.5 x 118 mm (6.9" x 4.6")			Ø160 x 108.4 mm (6.2 x 4.27")	
Weight		1.76 kg (3.88 lb)			1.15 kg (2.54 lb)	
Ingress Protection		IP67				
Vandal Resistance		IK10+			IK10	

Note:

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



Vandal Proof Dome Specifications (Part 3)






		GV-VD3700	GV-VD4700	GV-VD5700
				
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 CMOS
Picture Elements		2048 (H) x 1536 (V)	2560 (H) x 1440 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.01 Lux	0.03 Lux	0.04 Lux
	B/W	0.01 Lux	0.02 Lux	0.03 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		54 dB	50 dB	50 dB
WDR Pro (with WDR sensor)			Yes	N/A
Dynamic Range		Up to 120 dB	Up to 120 dB	Up to 72 dB
Operation				
Video Compression			H.265, H.264, MJPEG	
Video Streaming		Dual streams	Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	Dual streams
Frame Rate		30 fps at 2048 x 1536	25 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 2592 x 1944
Audio Compression			G.711	
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
Maximum Aperture			F/1.7	F/1.65
Mount			Ø14 mm	
Image Format		1/2.7"	1/2.7"	1/1.8"
Horizontal FOV		98° ~ 35°	98° ~ 35°	88° ~ 51°
Operation	Focus		Manual (w/lock)	
	Zoom		Manual (w/lock)	
	Iris		P-Iris	
IR LED Quantity			12 IR LEDs	
Max. IR Distance			30 m (98.4 ft)	
Mechanical				
Camera Angle Adjustment	Pan		0° ~ 360°	
	Tilt		90° ~ 180°	
	Rotate		0° ~ 355°	
3-axis Mechanism			Yes	
Temperature Detector			Yes	
Connectors	Power		2-pin terminal block, PoE	
	Ethernet			
	Audio		1 In (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)	
	Digital I/O		4-pin terminal block	
	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.	Micro SD card slot (SD/SDHC/SDXC, Class 10) *UHS-II card type is not supported.
TV-Out			N/A	
LED Indicator			N/A	
General				
Environment	Start-up		-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Temperature	Operation		-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption			12.6 W	
Regulatory			CE, FCC, RCM, LVD, RoHS compliant	
Dimensions			Ø 150.3 x 105.5 mm (5.92" x 4.15")	
Weight			800 g (1.76 lb)	
Ingress Protection			IP67	
Vandal Resistance			IK10	

Note:

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



Vandal Proof Dome Specifications (Part 4)






	GV-VD1540	GV-VD2440	GV-VD2540	GV-VD2712	GV-VD3440
					
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	0.02 Lux	0.005 Lux	0.08 Lux
	B/W	0.01 Lux	0.02 Lux	0.004 Lux	0.05 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)
White Balance	Auto, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	55 dB	47 dB	52 dB	56 dB	47 dB
WDR Pro (with WDR sensor)	N/A	Yes	N/A	Yes	Yes
Dynamic Range	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 130 dB	Up to 100 dB
Operation					
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	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)		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	Motorized Varifocal Lens				
Focal Length	3 ~ 9 mm		2.8 ~ 12 mm		3 ~ 9 mm
Maximum Aperture	F/1.2		F/1.7		F/1.2
Mount	Ø14 mm				
Image Format	1/2.7"				
Horizontal FOV	90° ~ 32°	82° ~ 30°	103° ~ 36°	110° ~ 38°	86° ~ 31°
Operation	Focus	Auto Focus			
	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	-90° ~ 90°		0° ~ 350°	-90° ~ 90°
	Tilt	0° ~ 85°		0° ~ 75°	0° ~ 85°
Adjustment	Rotate	0° ~ 350°		0° ~ 340°	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		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)				
LED Indicator	2 LEDs: Power, Status				
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 802.3at)		12V DC / PoE (IEEE 802.3af)		12V DC / 24V AC / PoE (IEEE 802.3at)
Max. Power Consumption	22.48 W		8.64 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:

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



Vandal Proof Dome Specifications (Part 5)





		GV-VD5340	GV-VD4711	GV-VD5711	GV-VD2540-E	GV-VD5340-E
						
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)	2560 (H) x 1440 (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	0.10 Lux	0.02 Lux	0.03 Lux	0.02 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		45 dB	50 dB	46 dB	52 dB	45 dB
WDR		Yes	WDR Pro	Yes	Yes	
Dynamic Range		Up to 72 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	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	25 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	Focus	3x Optical Zoom				
	Iris	DC drive	4.3x Optical Zoom	2x Optical zoom	3x Optical Zoom	
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°				
	Tilt	0° ~ 85°				
Adjustment	Rotate	0° ~ 350°				
	3-axis Mechanism	Yes				
Temperature Detector		Yes				
Power		2-pin terminal block, PoE				
Connectors	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:

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



Fixed Dome Specifications (Part 1)




		GV-FD1500	GV-FD2500	GV-FD3400	GV-FD5300
					
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	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 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:

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



Fixed Dome Specifications (Part 2)







		GV-FD1510	GV-FD2510	GV-FD3410
				
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:

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



Cube Camera and Advanced Cube Camera Specifications






	Cube Camera		Advanced Cube Camera			
	GV-CB120	GV-CB220	GV-CA120	GV-CA220	GV-CAW120	GV-CAW220
						
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. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. For GV-CAW120 / CAW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
4. **Memory card slot (local storage) is not supported in Argentina.**



Mini Fixed Dome Specifications

		GV-MFD1501 Series		GV-MFD2401 Series		GV-MFD2501 Series		GV-MFD3401 Series		GV-MFD5301 Series	
											
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	MFD5301-3F	F/1.6	
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2	MFD5301-5F	F/1.8	
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:

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

- Mind the following limitations and requirements for the mini USB port:
 - The USB hard drive must be of 2.5" or 3.5", version 2.0 or above
 - The USB hard drive's storage capacity must not exceed 2TB
 - USB flash drives and USB hubs are not supported
 - External power supply is required for the USB hard drive
 - To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.









Mini Fixed 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 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		50Hz: 20 fps at 2592 x 1520, 25 fps at 2560 x 1440, 25 fps at 2048 x 1520 60Hz: 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
Maximum Aperture	MFD2700-0F	F/2.0		MFD4700-0F	F/2.0
	MFD2700-2F	F/1.8		MFD4700-2F	F/1.8
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°
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
IR LED Quantity		4 IR LEDs			
Max. IR Distance		20 m (65.6 ft)			
Mechanical					
Camera	Pan	-45° ~ 45°			
Angle	Tilt	0° ~ 70°			
Adjustment	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	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.			
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, 6W			
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimension		110 x 72.83 mm (4.33" x 2.86")			
Weight		200 g (0.44 lb)			
Vandal Resistance		N/A			



Mini Fixed Rugged Dome Specifications








		GV-MDR220	GV-MDR320	GV-MDR520	GV-MDR1500 Series	GV-MDR3400 Series	GV-MDR5300 Series
							
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°	MDR3400-1F 85°	MDR5300-1F 104°
					MDR1500-2F 64°	MDR3400-2F 63°	MDR5300-2F 76°
Operation	Focus	Fixed					
	Zoom	Fixed					
	Iris	Fixed					
Mechanical							
Camera Angle Adjustment	Pan	-45° ~ 45°					
	Tilt	0° ~ 90°					
	Rotate	0° ~ 360°					
Temperature Detector		Yes					
Connectors	Power	PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	built-in microphone					
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator		3 LEDs: Link, Power, Status					
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:

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



Target Series Specifications (Part 1)




		GV-EBX1100 Series		GV-EBX2100 Series		GV-EBL1100 Series		GV-EBL2100 Series		GV-EBL2101	GV-EBL2111	GV-EBL3101		
														
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)				2048 (H) x 1536 (V)		
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.05 Lux		0.07 Lux		0.005 Lux	0.005 Lux	0.01 Lux		
	B/W	0.03 Lux		0.04 Lux		0.03 Lux		0.04 Lux		0.004 Lux	0.004 Lux	0.01 Lux		
	IR ON	0 Lux												
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)						Auto, Manual (1/30 ~ 1/16000 sec)						
White Balance		Auto, Manual (2800K ~ 8500K)												
Gain Control		Automatic												
S/N Ratio		50 dB		48 dB		50 dB		48 dB		56 dB	56 dB	54 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				30 fps at 2048 x 1536				
Audio Compression		G.711, AAC (optional)						N/A						
Optical Lens														
Megapixel		Yes												
Day/Night		Yes (with removable IR-cut filter)												
Lens Type		Fixed						Varifocal		Motorized varifocal	Varifocal			
Focal Length		GV-EBX1100-0F	2.8 mm	GV-EBX2100-0F	2.8 mm	GV-EBL1100-1F	6 mm	GV-EBL2100-1F	6 mm	3 ~ 9 mm		2.8 ~ 12 mm	2.8 ~ 12 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	F/1.7		F/1.7	F/1.7	
		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						Ø14 mm		Ø14 mm	Ø14 mm			
Image Format		1/2.7"												
Horizontal FOV		GV-EBX1100-0F	93°	GV-EBX2100-0F	99°	GV-EBL1100-1F	44°	GV-EBL2100-1F	51°	102° ~ 40°		102° ~ 40°	96° ~ 36°	
		GV-EBX1100-2F	64°	GV-EBX2100-2F	72°	GV-EBL1100-2F	64°	GV-EBL2100-2F	72°					
Operation		Focus		Fixed						Manual (w/lock)		Auto Focus	Manual (w/lock)	
		Zoom		Fixed						Manual (w/lock)		4.3x Optical Zoom	Manual (w/lock)	
		Iris		Fixed						P-Iris		P-Iris	P-Iris	
IR LED Quantity		8 IR LEDs				24 IR LEDs								
Max. IR Distance		15 m (50 ft)				30 m (98.4 ft)				75 m (246.06 ft)		60 m (196.85 ft)		
Mechanical														
Camera Angle Adjustment		Pan		N/A				N/A				0° ~ 360°		
		Tilt		N/A				N/A				90° ~ 180°		
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		Start-up		0°C ~ 50°C (32°F ~ 122°F)				-20°C ~ 50°C (-4°F ~ 122°F)		-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)		
		Operation		0°C ~ 50°C (32°F ~ 122°F)				-30°C ~ 50°C (-22°F ~ 122°F)		-30°C ~ 50°C (-22°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)		
Humidity		10% to 90% (no condensation)												
Power Source		12V DC / PoE (IEEE 802.3af)												
Max. Power Consumption		5.36 W				7.8 W				7.1 W	12.3 W	8.2 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")				142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")				
Weight		120 g (0.26 lb)				547 g (1.20 lb)				810 g (1.79 lb)				
Ingress Protection		N/A						IP67						
Vandal Resistance		N/A						IK10 for metal casing						

Note:

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



Target Series Specifications (Part 2)





		GV-EFD1100 Series		GV-EFD2100 Series		GV-EFD4700 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	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2560 (H) x 1440 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.03 Lux	
	B/W	0.03 Lux		0.04 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		50 dB		48 dB		50 dB	
WDR		Yes		Yes		WDR Pro	
Dynamic Range		Up to 72 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		25 fps at 2560 x 1440 30 fps at 2048 x 1520	
Audio Compression		G.711, AAC (optional)				G.711	
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	2.8 mm	
	GV-EFD1100-2F	3.8 mm	GV-EFD2100-2F	3.8 mm	GV-EFD4700-2F	3.8 mm	
Maximum Aperture	GV-EFD1100-0F	F/2.0	GV-EFD2100-0F	F/2.0	GV-EFD4700-0F	F/2.0	
	GV-EFD1100-2F	F/1.8	GV-EFD2100-2F	F/1.8	GV-EFD4700-2F	F/1.8	
Mount		M12, Pitch 0.5 mm					
Image Format		1/2.7"				1/2.7"	
Horizontal FOV	GV-EFD1100-0F	93°	GV-EFD2100-0F	99°	GV-EFD4700-0F	96°	
	GV-EFD1100-2F	64°	GV-EFD2100-2F	72°	GV-EFD4700-2F	72°	
Operation	Focus	Fixed					
	Zoom	Fixed					
	Iris	Fixed					
IR LED Quantity		12 IR LEDs					
Max. IR Distance		15 m (50 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)					
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:

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



Target Series Specifications (Part 3)




	GV-EDR1100 Series		GV-EDR2100 Series		GV-EDR4700 Series		GV-EBD4700	
								
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		1/3" progressive scan low lux CMOS	
Picture Elements	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2560 (H) x 1440 (V)		2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.03 Lux		0.05 Lux
	B/W	0.03 Lux		0.04 Lux		0.02 Lux		0.03 Lux
	IR ON	0 Lux						
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)				Auto, Manual (1/5 ~ 1/16000 sec)		Auto / Manual (1/6 ~ 1/8000 sec)	
White Balance	Auto, Manual (2800K ~ 8500K)						Auto / Manual	
Gain Control	Automatic						Auto / Manual	
S/N Ratio	50 dB		48 dB		50 dB		55 dB	
WDR	Yes				WDR Pro			
Dynamic Range	Up to 72 dB				Up to 120 dB		Up to 100 dB	
Operation								
Video Compression	H.264, MJPEG				H.265, H.264, MJPEG			
Video Streaming	Dual streams				Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG		Triple streams from H.265, H.264 or MJPEG	
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		25 fps at 2560 x 1440 30 fps at 2048 x 1520		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	
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	2.8 mm	2.8 mm	
	GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	GV-EDR4700-2F	3.8 mm		
Maximum Aperture	GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	GV-EDR4700-0F	F/2.0	F/1.8	
	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	GV-EDR4700-2F	F/1.8		
Mount	M12, Pitch 0.5 mm						M12	
Image Format	12.7"						N/A	
Horizontal FOV	GV-EDR1100-0F	93°	GV-EDR2100-0F	99°	GV-EDR4700-0F	96°	100°	
	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	GV-EDR4700-2F	72°		
Operation	Focus							
	Zoom	Fixed						
	Iris							
IR LED Quantity	12 IR LEDs						1 IR LED	
Max. IR Distance	15 m (50 ft)						30 m (98.4 ft)	
Mechanical								
Camera Angle Adjustment	Pan	-45° ~ 45°					0° ~ 360°	
	Tilt	0° ~ 63°					0° ~ 77°	
	Rotate	N/A					0° ~ 360°	
Connectors	Power	2-pin terminal block, PoE					DC Jack	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable					RJ-45 connector	
	Audio	N/A					N/A	
LED Indicator	4 LEDs: Link, ACT, Power, Status						N/A	
General								
Environment Temperature	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)					-35°C ~ 60°C (-31°F ~ 140°F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)						
Humidity	10% to 90% (no condensation)						0% ~ 95% (non-condensing)	
Power Source	12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption	5.8 W				6.07 W		5.5 W	
Regulatory	CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant		CE, FCC, RoHS compliant	
Dimensions (L X W X H)	ø 114 x 62.8 mm (4.49" x 2.47")						ø 126 x 94 mm (ø5.0" x 3.7")	
Weight	600 g (1.32 lb)						0.33 kg (0.73 lb)	
Ingress Protection	IP67						IP66	
Vandal Resistance	IK10 for metal casing						N/A	

Note:

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



Target Series Specifications (Part 4)




		GV-EFD2101	GV-EFD3101	GV-EFD5101
				
Camera				
Image Sensor		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		Yes	WDR Pro	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 Angle 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	0 °C ~ 50 °C (32 °F ~ 122 °F)		
	Operation			
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption		5.8 W		7W
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions (L X W X H)		Ø 125 x 99.5 mm (4.92" x 3.92")		
Weight		470 g (1.04 lb)		

Note:

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



Target Series Specifications (Part 5)




		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 Angle	Pan	0° ~ 350°		
	Tilt	0° ~ 75°		
Adjustment	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		7W
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:

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



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:

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



Fisheye Camera Specifications (Part 1)





		GV-FE3402 (Indoor)	GV-FE5302 (Indoor)	GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
		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:

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



Fisheye Camera Specifications (Part 2)




		GV-FE3403 (Indoor)	GV-FE5303 (Indoor)	GV-FER3403 (Outdoor)	GV-FER5303 (Outdoor)
		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				
	Zoom				
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:

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



Fisheye Camera Specifications (Part 3)




		GV-FER5700 (Outdoor)	GV-FER12203 (Outdoor)	GV-UNFE2503 (Outdoor)	
					
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			
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	N/A	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	G.711, AAC (optional)	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	
Max. IR Distance		30 m (98.43 ft)	30 m (98.43 ft)	10 m (32.81 ft.)	
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.			
	USB	GV-WiFi Adapter or USB hard drive		N/A	
General					
Environment	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)		-5 °C ~50 °C (23 °F ~ 122 °F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE+ (IEEE 802.3at)	12V DC / 24V AC / PoE (IEEE 802.3at)	PoE (IEEE 802.3af)	
Max. Power Consumption		15.5 W	28 W	7.7 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimensions		Ø 160.6 x 59.1 mm m (6.32" x 2.33")		Body	78.5 x 47.36 x 32.5 mm
				Lens	Ø 80.35 x 115.12 mm
Weight		700 g (1.54 lb)		480 g (1.06 lb)	
Ingress Protection		IP67		IP67	
Vandal Resistance		IK10+ for metal casing		N/A	

Note:

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



IP Speed Dome Camera Specifications (Part 1)

Camera		GV-SD220 (Indoor) 20X / 30X	GV-SD220-S (Outdoor) 20X / 30X	GV-SD2300 (Outdoor)
				
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
Minimum	B/W	0.005 lux at F/1.6		0.001 lux at F/1.6
Shutter Speed		1/1 ~ 1/10000 sec		
White Balance		Auto / Manual		
AGC Control		Auto / Manual		
S/N Ratio		50 dB		
BLC		On / Off		
Optical Zoom		20x / 30x		20x
Digital Zoom		12x		12x
WDR Pro (with WDR sensor)		Yes		Yes
Dynamic Range		Up to 100 dB		Up to 72 dB
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 Input (Dry Contact)
Alarm Output		1		1 Digital Output (200mA 5V DC)
Pan Travel		360° endless		
Tilt Travel		0° ~ 180°		
Proportional Pan & Tilt		On / Off (pan and tilt speed is proportional to the zoom ratio)		Auto (Pan and tilt speed proportional to zoom ratio)
Movement Speed		0.5° ~ 460°/s		
Presets		255		
Preset Accuracy		0.2°		
Sequence		Max Number	8	
		Max Presets Allowed	16	
Auto Pan		8		
Cruise		4		
Tour		8		
Privacy Mask		8		
Wide Dynamic Range		On / Off		
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	
		Zoom	20x / 30x	
		Iris	Auto/Manual	
Auto/Manual		Auto/Manual		
Auto/Manual		Auto/Manual		
Mechanical				
Temperature Detector		Yes		
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:

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



IP Speed Dome Camera Specifications (Part 2)


Camera	GV-SD2301 (Outdoor)	GV-SD2411 (Outdoor)	GV-SD2322-IR (Outdoor)	GV-SD3732-IR (Outdoor)	
Image Sensor	1/2.8 Progressive scan super low lux CMOS sensor	1/2.8" Progressive scan super low lux CMOS sensor	1/2.8 Progressive scan low lux CMOS sensor		
Picture Elements	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		
Minimum Illumination	Color	0.02 lux at F/1.6	0.05 lux at F/1.6	0.03 lux at F/1.6	
	B/W	0.001 lux at F/1.6	0.002 lux at F/1.6	0.01 lux at F/1.6	
	IR ON	N/A	N/A	0 Lux	
Shutter Speed	1/1 ~ 1/10000 sec		1/6 ~ 1/8000 sec		
White Balance	Auto / Manual				
AGC Control	Auto / Manual				
S/N Ratio	50 dB		52 dB	55 dB	
BLC	On / Off		N/A		
Optical Zoom	20x	30x	22x	33x	
Digital Zoom	12x	12x	Unlimited		
WDR Pro (with WDR sensor)	Yes		N/A	Yes	
Dynamic Range	Up to 100 dB	Up to 100 dB	Up to 72 dB	Up to 120 dB	
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 ~ 55 °C (-40 °F ~ 131 °F)		
Humidity	20% to 90% (no condensation)				
Power Source	24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)		24V AC / 24V DC		
Max. Power Consumption	50 W (with 30 W Heater)		52.5 W		
Regulatory	CE, FCC, RCM, RoHS Compliant		CE, FCC, RoHS compliant		
Dimensions	Camera Body Ø 211.63 x 232 mm (8.332" x 9.13")		Ø 227 x 359.4 mm (8.94" x 14.15")		
Weight	3.1 kg (6.82 lb)		5.4 kg (11.9 lb)		
Ingress Protection	IP67		IP66		
Vandal Resistance	IK10 for metal and polycarbonate casing		IK10 for metal casing	IK10 for metal casing	

Note:

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



Pinhole Camera Specifications


		GV-UNP2500
		
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°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
Mechanical		
Temperature Detector		Yes
Connectors	Power	PoE (IEEE 802.3af)
	Ethernet	RJ-45 connector
	Audio	1 In (built-in microphone)
	Local Storage*	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
	Camera Unit Connect	RJ-12
LED Indicator		4 LEDs: Link, ACT, Camera Status, RJ-12 Status
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:

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



Panoramic PTZ IP Camera

		GV-PPTZ7300
		
Camera		
Image Sensor		FE: 1/2.5" progressive scan CMOS; SD: 1/2.86" progressive scan CMOS
Picture Elements		FE: 2560 (H) x 1920 (V); SD: 1920 (H) x 1080 (V)
Minimum Illumination	Color	FE: 0.15 Lux; SD: 0.5 Lux
	B/W	FE: 0.15 Lux; SD: 0.1 Lux
Shutter Speed		FE: Automatic, Manual (1/5 ~ 1/8000 sec.); SD: Automatic, Manual (1/6 ~ 1/60000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		FE: Automatic; SD: Automatic, Manual
S/N Ratio		FE: 45 dB; SD: 50 dB (AGC Off)
WDR		FE: Yes (WDR); SD: Yes (WDR Pro)
Dynamic Range		FE: Up to 72 dB; SD: Up to 100 dB
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from 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
Audio Compression		G.711, AAC (optional)
Sensor Input		4 Input (Dry Contact)
Alarm Output		1 Digital Output (200 mA 5V DC)
Pan Travel		355°
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
Maximum Aperture		FE: F/2.0; SD: F/1.6
Horizontal FOV		FE: 180°; SD: 54° ~ 4.9°
Operation	Focus	FE: Fixed; SD: Auto / Manual
	Zoom	FE: Fixed; SD: 10x
	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.
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)
Fan On		45°C (113°F)
Humidity		20% to 90% (no condensation)
Power Source		DC 24V / AC 24V / High PoE (PoE++, 40 W)
Max. Power Consumption		40 W
Regulatory		CE, FCC, RCM, RoHS compliant
Dimensions		Ø 211.63 x 272.00 mm (8.332" x 10.709")
Weight		3.75 kg (8.27 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal and polycarbonate casing

Note:

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



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)
	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		0°C ~ 40 °C (32 °F ~ 104 °F)
Humidity		20% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		10 W
Regulatory		CE, FCC, RCM, RoHS compliant
Dimensions		485.5 x 249.48 x 156.99 mm (19.11" x 9.82" x 6.18")
Weight (with rack)		2.75 kg (6.06 lb)

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