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Box Camera Specifications (Part 1)

	GV-BX1500 Series		GV-BX2500 Series		GV-BX2600	
	GV-BX1500- 8F	GV-BX1500-3V	GV-BX2500 -8F	GV-BX2500-3V		
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens		
						
Camera	1/3" progressive scan super low lux CMOS				1/2.8" progressive scan super low lux CMOS	
Image Sensor	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)			
Picture Elements	0.01 Lux		0.02 Lux			
Minimum Illumination	Color	0.01 Lux		0.02 Lux		
	B/W	0.01 Lux		0.02 Lux		
IR ON	0 Lux					
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance	Auto, Manual (2800K ~ 8500K)					
Gain Control	Automatic					
S/N Ratio	55 dB		52 dB			
WDR Pro (with WDR Sensor)	N/A		N/A		Yes	
Dynamic Range	Up to 72 dB				Up to 110 dB	
Operation						
Video Compression	H.264, MJPEG					
Video Streaming	Dual streams					
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		60 fps at 1920 x 1080	
Audio Compression	G.711, AAC (optional)				G.711	
Sensor Input	1 input (Dry Contact)					
Alarm Output	1 Digital Output (200mA 5V DC)					
Optical Lens						
Megapixel	Yes					
Day/Night	Yes (with removable IR-cut filter)					
Lens Type	Fixed	Varifocal Lens	Fixed	Varifocal Lens		
Focal Length	2.8 mm	3 ~ 10.5 mm	2.8 mm	3 ~ 10.5 mm		
Maximum Aperture	F/1.8	F/1.4	F/1.8	F/1.4		
Mount	CS Mount					
Image Format	1/2.5"	1/2.7"	1/2.5"	1/2.7"		
Horizontal FOV	90°	81° ~ 29°	107°	96° ~ 34°		
Operation	Focus	Manual w/lock				
	Zoom	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	
	Iris	Fixed	P-Iris	Fixed	P-Iris	DC Drive
Mechanical						
Temperature Detector	Yes					
Connectors	Power	2-pin terminal block, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14") *built-in mic is not available for GV-BX2600				
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"				
	Auto Iris	Not functional	Yes	Not functional	Yes	
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported				
	TV-Out	BNC connector (640 x 480 resolution)				
Mini USB	GV-WiFi Adapter or USB hard drive					
LED Indicator	2 LEDs: Power, Status					
General						
Environment Temperature	0°C ~ 50°C (32 °F ~ 122 °F)					
Humidity	10% to 90% (no condensation)					
Power Source	12V DC / PoE (IEEE 802.3af Class 3)					
Max. Power Consumption	9.5 W	6.27 W	7.99 W	6.42 W	7.5 W	
Regulatory	CE, FCC, RCM, RoHS compliant				CE, RCM, FCC, LVD, RoHS compliant	
Dimensions (Without lens)	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")				105 x 75 x 54 mm (4.13" x 2.95" x 2.13")	
Weight	300 g (0.66 lb)				321 g (0.71 lb)	
Note:	<ol style="list-style-type: none"> 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-BX2400-0F/1F /2F		GV-BX2400-3V~4V		GV-BX3400-8F		GV-BX3400-3V		
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		
										
Camera										
Image Sensor		1/3.2" progressive scan CMOS								
Picture Elements		1920 (H) x 1080 (V)				2048 (H) x 1536 (V)				
Minimum Illumination	Color	0.08 Lux								
	B/W	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		47 dB								
WDR Pro (with WDR Sensor)		Yes								
Dynamic Range		Up to 100 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 30 fps at 1920 x 1080				
Audio Compression		G.711, AAC (optional)								
Sensor Input		1 input (Dry Contact)								
Alarm Output		1 Digital Output (20mA 5V DC)								
Optical Lens										
Megapixel		Yes								
Day/Night		Yes (with removable IR-cut filter)								
Lens Type		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		
Focal Length	BX2400-0F	4 mm		BX2400-3V	2.8 ~ 12 mm		2.8 mm		3 ~ 10.5 mm	
	BX2400-1F	8 mm								
	BX2400-2F	12 mm		BX2400-4V	3 ~ 10.5 mm					
Maximum Aperture	BX2400-0F	F/1.5		BX2400-3V	F/1.4		F/1.8		F/1.4	
	BX2400-1F	F/1.6								
	BX2400-2F									
Mount		CS Mount								
Image Format	BX2400-0F	1/3"		BX2400-3V	1/2.7"		1/2.5"		1/2.7"	
	BX2400-1F	1/2.5"								
	BX2400-2F									
Horizontal FOV	BX2400-1F	32°		BX2400-3V	77° ~ 28°		88°		78° ~ 28°	
	BX2400-2F	21°			BX2400-4V	73° ~ 27°				
	Operation									
Operation	Focus	Manual w/lock								
	Zoom	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)		
	Iris	Fixed		DC drive		Fixed		P-Iris		
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")								
	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 (SDHC/SDXC/UHS-I, Class 10)								
	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				9.5 W		7.12 W		
Regulatory		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								
Weight		300 g (0.66 lb)								
Note:					5. Mind the following limitations and requirements for the mini USB port:					
1. Product design and specifications are subject to change without notice.					<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 					
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).					To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.					
3. The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480.										
4. Memory card slot (local storage) is not supported in Argentina.										



Box Camera Specifications (Part 3)




		GV-BX5300 Series		GV-BX4700 Series		GV-BX5700 Series		GV-BX12201	
		GV-BX5300-8F	GV-BX5300-6V	GV-BX4700-8F	GV-BX4700-3V	GV-BX5700-8F	GV-BX5700-3V		
		Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens		
									
Camera									
Image Sensor		1/2.5" progressive scan CMOS		1/2.7" progressive scan super low lux CMOS		1/1.8" progressive scan low lux CMOS		1/1.7" progressive scan CMOS	
Picture Elements		2560 (H) x 1920 (V)		2560 (H) x 1440 (V)		2592 (H) x 1944 (V)		4000 (H) x 3000 (V)	
Minimum Illumination	Color	0.15 Lux		0.03 Lux		0.04 Lux		0.1 Lux	
	B/W	0.10 Lux		0.02 Lux		0.03 Lux		0.05 Lux	
	IR ON	0 Lux							
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		Automatic, Manual (1/5 ~ 1/6000 sec)		Automatic, Manual (1/5 ~ 1/6000 sec)		Automatic, Manual (1/30 ~ 1/16000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)		Automatic, Manual (2800 ~ 8500K)		Automatic, Manual (2800 ~ 8500K)		Automatic, Manual (2800 ~ 8500K)	
Gain Control		Automatic							
S/N Ratio		45 dB		50 dB		50 dB		52 dB	
WDR Pro (with WDR sensor)		N/A		Yes		N/A		N/A	
Dynamic Range		Up to 72 dB		Up to 100 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 Stream		Dual streams from H.265, H.264 or MJPEG				Dual streams from H.264 or MJPEG	
Frame Rate		10 fps at 2560 x 1920		30 fps at 2560 x 1440		30 fps at 2592 x 1944		15 fps at 4000 x 3000 30 fps at 3840 x 2160	
Audio Compression		G.711, AAC (optional)		G.711				G.711, AAC (optional)	
Sensor Input		1 Input (Dry Contact)							
Alarm Output		1 Digital Output (200mA 5V DC)							
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens	
Focal Length		2.8 mm	3.3 ~ 10.5 mm	2.8 mm	3.3 ~ 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"	1/2.5"	1/2.7"		1/1.8"		1/1.8"	
Horizontal FOV		112°	84° ~ 35°	104°	78° ~ 31°	120°	90° ~ 40°	109° ~ 50°	
Operation		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							
Power		2-pin terminal block, PoE							
Ethernet		Ethernet (10/100/1000 Base-T), RJ-45 Connector		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 / 24V AC / PoE (IEEE 802.3af)		12V DC / PoE (IEEE 802.3af)			12V DC / 24V AC / PoE (IEEE 802.3af)		
Max. Power Consumption		9.5 W	6.77 W	12V DC, 4.37 W			6 W		
Regulatory		CE, FCC, RCM, RoHS compliant		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		321 g (0.71 lb)	300 g (0.66 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						
	Iris						
IR LED Quantity				4			
Max. IR Distance				10 m (32.81 ft)			
Mechanical							
Temperature Detector				Yes			
Connectors	Power			2-pin terminal block, PoE			
	Ethernet			Ethernet (10/100 Base-T), RJ-45 connector			
	Audio			1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")			
	Local Storage*			Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
LED Indicator				2 LEDs: Power, Status			
General							
Environment							
Temperature				0°C ~ 40°C (32°F ~ 104°F)			
Humidity				10% to 90% (no condensation)			
Power Source				5V DC / PoE (IEEE 802.3af)			
Max. Power Consumption				6.5 W			
Regulatory				CE, FCC, RCM, RoHS compliant			
Dimensions (L X W X H) (Without lens)				95 x 45 x 40 mm (3.7" x 1.8" x 1.6")			
Weight				120 g (0.26 lb)			

Note:

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



IR Arctic Box Camera Specifications







		GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX5300	GV-BX2510-E	GV-BX5310-E
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.01 Lux		0.08 Lux		0.15 Lux	0.02 Lux
	B/W	0.01 Lux		0.05 Lux		0.10 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		47 dB		45 dB	52 dB
WDR Pro (with WDR Sensor)		N/A		Yes		N/A	45 dB
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	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1920 x 1080	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)					
Sensor Input		N/A				1 input (Dry Contact)	
Alarm Output		N/A				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 ~ 10.5 mm			4.5 ~ 10 mm	3.7 ~ 9 mm	4.5 ~ 9 mm
Maximum Aperture		F/1.4			F/1.6	F/1.2	
Mount		CS Mount				Ø14 mm	
Image Format		1/2.7"			1/2"	1/2.7"	
Horizontal FOV		81° ~ 29°	73° ~ 27°	78° ~ 28°	70° ~ 34°	70° ~ 39°	
Operation	Focus	Manual (w/lock)				Auto focus	
	Zoom	Manual (w/lock)				2.4X optical zoom	
	Ir	P-Iris	DC drive	P-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 Angle Adjustment	Pan	0° ~ 330°					
	Tilt	0° ~ 90°					
	Rotate	No					
Temperature Detector		Yes					
Connectors	Power	PoE				2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")					
	Auto Iris	Yes (with varifocal lens)					
	Digital I/O	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 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)				DC 48V, PoE++ (50W)	
Max. Power Consumption		20 W	23 W		21.6 W	50 W	
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions (L X W X H) (Without lens)		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")	Camera Body	406 x 145 x 109.5 mm (16" x 5.7" x 4.3")
Weight		3.2 Kg (7.1 lb)				Cable Length	1 m (39.4")
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:

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



Bullet Camera Specifications (Part 1)




		GV-BL1500	GV-BL2400	GV-BL2500	GV-BL3400	GV-BL3700	GV-BL5700
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2592 (H) x 1944 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	0.01 Lux	0.04 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	0.01 Lux	0.03 Lux
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		55 dB	47 dB	52 dB	47 dB	54 dB	50 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes	N/A	N/A
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 120 dB	Up to 72 dB
Operation							
Video Compression		H.264, MJPEG				H.265, H.264, MJPEG	
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536	30 fps at 2048 x 1536	30 fps at 2592 x 1944
Audio Compression		G.711, AAC (optional)					
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 ~ 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 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)				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:

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



Bullet Camera Specifications (Part 2)






		GV-BL1210	GV-BL3410	GV-BL5310
				
Camera				
Image Sensor		1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.05 Lux	0.08 Lux	0.15 Lux
	B/W	0.03 Lux	0.05 Lux	0.10 Lux
	IR ON		0 Lux	
Shutter Speed			Auto, Manual (1/5 ~ 1/8000sec)	
White Balance			Auto, Manual (2800K ~ 8500K)	
Gain Control			Automatic	
S/N Ratio		50 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Dual streams	
Frame Rate		30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression			G.711, AAC (optional)	
Sensor Input			1 input (Dry Contact)	
Alarm Output			1 digital output (200mA 5V DC)	
Optical Lens				
Megapixel			Yes	
Day/Night			Yes (with removable IR-cut filter)	
Lens Type			Motorized Varifocal Lens	
Focal Length		3 ~ 9 mm		4.5 ~ 9 mm
Maximum Aperture			F/1.2	
Mount			Ø14 mm	
Image Format			1/2.7"	
Horizontal FOV		86° ~ 32°	86° ~ 31°	70° ~ 39°
Operation	Focus		Auto Focus	
	Zoom	3X Optical Zoom		2X Optical Zoom
	Iris		DC drive	
IR LED Quantity			16 IR LEDs	
Max. IR Distance		40 m (131 ft)	50 m (164 ft)	40 m (131 ft)
Mechanical				
Camera Angle Adjustment	Pan		0° ~ 360°	
	Tilt		90° ~ 180°	
	Rotate		0° ~ 360°	
Connectors	Detector		Yes	
	Power		2-pin terminal block, PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector	
	Audio		1 In (RCA female for microphone) 1 Out (RCA female for speaker)	
	Digital I/O		I/O Wire	
Local Storage*			Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
General				
Environment Temperature			-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption		11.52 W	12.48 W	
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions	Camera Body	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")		
	Cable Length	1 m (3.28 ft)		
	Max. Cable Diameter	Ø 7.1 mm (0.28")		
	Max. Connector Diameter	Ø 25.2 mm (0.99")		
Weight			1.4 Kg (3.08 lb)	
Ingress Protection			IP67	
Vandal Resistance			IK10 for metal casing	

Note:

1. 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	
	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	Pan	0° ~ 360°				
Angle	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:

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



Bullet Camera Specifications (Part 4)







		GV-BL1511	GV-BL2511	GV-BL3411	GV-BL5311
					
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 Adjustment	Pan	0° ~ 360°			
	Tilt	90° ~ 180°			
	Rotate	0° ~ 360°			
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	Digital I/O	3-pin terminal block			
Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
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)	-20 °C ~ 45 °C (-4 °F ~ 113 °F)					
					Operation	-30 °C ~ 45 °C (-22 °F ~ 113 °F)						
Humidity		10% to 90% (no condensation)										
Power Source		5V DC / PoE (IEEE 802.3af)										
Max. Power Consumption		6.94 W			5.52W							
Regulatory		CE, FCC, RCM, RoHS compliant										
Dimensions		148.75 x 65 x 69 mm (5.9" x 2.6" x 2.7")			124 x 65 x 69 mm (4.9" x 2.6" x 2.7")							
Weight		850 g (1.9 lb)			730 g (1.6 lb)							
Ingress Protection		IP67										
Vandal Resistance		IK10 for metal casing										

Note:

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
Picture Elements	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		1280 (H) x 1024 (V)
Minimum Illumination	Color	0.05 Lux		0.15 Lux		0.01 Lux	
	B/W	0.03 Lux		0.10 Lux		0.01 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
WDR Pro (with WDR sensor)	N/A		N/A		Yes		Yes
Dynamic Range	Up to 72 dB		Up to 72 dB		Up to 100 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
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		F/1.2
Mount	Ø14 mm						
Image Format	1/3"		1/3"		1/2.7"		1/2.7"
Horizontal FOV	86° ~ 32°		82° ~ 30°		86° ~ 31°		90° ~ 32°
Focus	Manual (w/lock)						
Zoom	Manual (w/lock)						
Iris	DC drive						
IR LED Quantity	10 IR LEDs						
Max. IR Distance	15 m (50 ft)		15 m (50 ft)		30 m (98.4 ft)		30 m (98.4 ft)
Mechanical							
Camera Angle	Pan		0° ~ 350°		0° ~ 350°		0° ~ 350°
Adjustment	Tilt		10° ~ 90°		10° ~ 90°		10° ~ 90°
Temperature Detector	Rotate		0° ~ 340°		0° ~ 340°		0° ~ 340°
Connectors	Yes						
Power	2-pin terminal block, PoE						
Ethernet	Ethernet (10/100 Base-T), RJ-45 connector						
Audio	1 In (RCA female for microphone), 1 Out (RCA female for speaker)						
Digital I/O	I/O Wire						
Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported						
TV-Out	BNC connector (640 x 480 resolution)						
LED Indicator	2 LEDs: Power, Status						
General							
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)						
Humidity	10% to 90% (no condensation)						
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)						
Max. Power Consumption	12 W						
Regulatory	CE, FCC, RCM, RoHS compliant						
Dimensions	Camera Body ø 165 x 125 mm (6.49" x 4.92")						
Cable Length	1 m (3.28 ft)						
Cable Diameter	ø 16.7 mm (0.66")						
Max. Connector Diameter	ø 16.7 mm (0.66")						
Weight	1.7 kg (3.75 lb)						
Ingress Protection	IP67						

Note:

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



Vandal Proof Dome Specifications (Part 2)





		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430	GV-VD3700	GV-VD5700
							
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)	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 ~ 1/8000 sec)					
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	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 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 ~ 8 mm	
Maximum Aperture		F/1.2				F/1.7	F/1.65
Mount		Ø14 mm					
Image Format		1/2.7"					
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				P-Iris	
IR LED Quantity		6 IR High Power LEDs				12 IR LEDs	
Max. IR Distance		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)	30 m (98.4 ft)	
Mechanical							
Camera Angle Adjustment	Pan	-90° ~ 90°				0° ~ 360°	
	Tilt	0° ~ 85°				90° ~ 180°	
	Rotate	0° ~ 350°				0° ~ 355°	
Temperature Detector		Yes					
Power Ethernet		2-pin terminal block, PoE					
Ethernet		Ethernet (10/100 Base-T), RJ-45 connector					
Connectors	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)				1 In (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)	
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")				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.	
	TV-Out	BNC connector (640 x 480 resolution)				N/A	
LED Indicator		2 LEDs: Power, Status				N/A	
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				12.6 W	
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions		Ø176.5 x 118 mm (6.9" x 4.6")				Ø 150.3 x 105.5 mm (5.92" x 4.15")	
Weight		1.76 kg (3.88 lb)				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 3)




		GV-VD1540	GV-VD2440	GV-VD2540	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	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		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°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Auto Focus			
	Zoom	3x Optical Zoom			
	Iris	DC drive			
High Power LED		6 IR LEDs			
Max. IR Distance		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
Mechanical					
Camera Angle	Pan	-90° ~ 90°			
	Tilt	0° ~ 85°			
Adjustment	Rotate	0° ~ 350°			
	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			
	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)			
Max. Power Consumption		22.48 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.



Vandal Proof Dome Specifications (Part 4)





		GV-VD5340	GV-VD2540-E	GV-VD5340-E
				
Camera				
Image Sensor		1/2.5" 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)	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 Lux	
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
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 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	3 ~ 9 mm	3.3 ~ 9 mm
Maximum Aperture			F/1.2	
Mount			Ø14 mm	
Image Format			1/2.7"	
Horizontal FOV		100° ~ 39°	103° ~ 36°	100° ~ 39°
Operation	Focus		Auto Focus	
	Zoom		3x Optical Zoom	
	Iris		DC drive	
High Power LED			6 IR LEDs	
Max. IR Distance		20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
Mechanical				
Camera Angle	Pan		-90° ~ 90°	
	Tilt		0° ~ 85°	
Adjustment	Rotate		0° ~ 350°	
	Detector		Yes	
Connectors	Power		2-pin terminal block, PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector	
	Audio		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)	
	Digital I/O		3-pin terminal block, pitch 2.5 mm (0.1")	
	Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
	TV-Out		BNC connector (640 x 480 resolution)	
LED Indicator			2 LEDs: Power, Status	
General				
Environment Temperature		-20 °C ~ 50 °C (-4 °F ~ 122 °F)	-40 °C ~ 50 °C (-40 °F ~ 122 °F)	
Heat On			On (0°C / 32°F), Off (1°C / 33.8°F)	
Fan			Constantly on	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE 802.3at)	
Max. Power Consumption		22.48 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		Manual (w/lock)
IR LED Quantity		10 IR LEDs		25 m (82 ft)	
Max. IR Distance		30 m (98.4 ft)			25 m (82 ft)
Mechanical					
Camera	Pan	0° ~ 350°			
	Tilt	10° ~ 90°			
	Rotate	0° ~ 340°			
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°		
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				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					
MFD1501-5F	3.8 mm	MFD2501-6F			2.3 mm	MFD3401-6F	2.3 mm	MFD5301-5F	3.8 mm				
Maximum Aperture	MFD1501-0F	F/2.0	MFD2401-0F	F/2.0	MFD2501-0F	F/2.0	MFD3401-0F	F/2.0	MFD5301-0F	F/2.0			
	MFD1501-1F	F/1.5	MFD2401-2F	F/1.6	MFD2501-1F	F/1.5	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6			
	MFD1501-2F	F/1.6	MFD2401-3F	F/1.6	MFD2501-2F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6			
	MFD1501-3F	F/1.6	MFD2401-4F	F/1.8	MFD2501-3F	F/1.6	MFD3401-5F	F/1.8	MFD5301-5F	F/1.8			
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2					
MFD1501-5F	F/1.8	MFD2501-6F			F/2.2	MFD3401-6F	F/2.2	MFD5301-5F	F/1.8				
Mount		M12, Pitch 0.5 mm											
Image Format		1/3"											
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°					
	MFD1501-5F	64°			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 Rugged Dome Specifications






		GV-MDR220	GV-MDR320	GV-MDR520	GV-MDR1500 Series	GV-MDR3400 Series	GV-MDR5300 Series
							
Camera							
Image Sensor		1/2.5" progressive scan CMOS			1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.15 Lux			0.01 Lux	0.08 Lux	0.15 Lux
	B/W	0.10 Lux			0.01 Lux	0.05 Lux	0.10 Lux
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB			55 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A			N/A	Yes	N/A
Dynamic Range		Up to 72 dB			Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (electronic)					
Lens Type		Fixed Lens					
Focal Length		2.54 mm			MDR1500-1F 2.8 mm	MDR3400-1F 2.8 mm	MDR5300-1F 2.8 mm
					MDR1500-2F 3.8 mm	MDR3400-2F 3.8 mm	MDR5300-2F 3.8 mm
Maximum Aperture		F/2.8			MDR1500-1F F/2.0	MDR3400-1F F/2.0	MDR5300-1F F/2.0
					MDR1500-2F F/1.8	MDR3400-2F F/1.8	MDR5300-2F F/1.8
Mount		M12, Pitch 0.5 mm					
Image Format		1/2.5"					
Horizontal FOV		101°	110°	138°	MDR1500-1F 88° MDR1500-2F 64°	MDR3400-1F 85° MDR3400-2F 63°	MDR5300-1F 104° MDR5300-2F 76°
Operation		Focus					
		Zoom		Fixed			
		Iris					
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		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:

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.**



Target Series Specifications (Part 1)





		GV-EBX1100 Series		GV-EBX2100 Series		GV-EBL1100 Series		GV-EBL2100 Series		GV-EBL2101			
													
Camera													
Image Sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS					
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)					
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.05 Lux		0.07 Lux		0.005 Lux			
	B/W	0.03 Lux		0.04 Lux		0.03 Lux		0.04 Lux		0.004 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			
Dynamic Range		Up to 72 dB											
Operation													
Video Compression		H.264, MJPEG											
Video Streaming		Dual streams											
Frame Rate		30 fps at 1280 x 1024		25 fps at 1920 x 1080				30 fps at 1920 x 1080					
Audio Compression		G.711, AAC (optional)				N/A							
Optical Lens													
Megapixel		Yes											
Day/Night		Yes (with removable IR-cut filter)											
Lens Type		Fixed								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			
		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			
		GV-EBX1100-2F	F/1.8	GV-EBX2100-2F	F/1.8	GV-EBL1100-2F		GV-EBL2100-2F					
Mount		M12, Pitch 0.5 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°			
		GV-EBX1100-2F	64°	GV-EBX2100-2F	72°	GV-EBL1100-2F	64°	GV-EBL2100-2F	72°				
Operation		Focus	Fixed								Manual (w/lock)		
		Zoom									Manual (w/lock)		
		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)			
Mechanical													
Camera Angle Adjustment		Pan	N/A				N/A				0° ~ 360°		
		Tilt									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		0°C ~ 50°C (32°F ~ 122°F)				Start-up		-20°C ~ 50°C (-4°F ~ 122°F)		Start-up		-20°C ~ 50°C (-4°F ~ 122°F)	
						Operation		-30°C ~ 50°C (-22°F ~ 122°F)		Operation		-30°C ~ 50°C (-22°F ~ 122°F)	
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			
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											
Vandal Resistance		N/A				IP67 IK10 for metal casing							

Note:

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



Target Series Specifications (Part 2)







		GV-EFD1100 Series		GV-EFD2100 Series		GV-EDR1100 Series		GV-EDR2100 Series	
									
Camera									
Image Sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.05 Lux		0.07 Lux	
	B/W	0.03 Lux		0.04 Lux		0.03 Lux		0.04 Lux	
	IR ON	0 Lux							
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)							
White Balance		Auto, Manual (2800K ~ 8500K)							
Gain Control		Automatic							
S/N Ratio		50 dB		48 dB		50 dB		48 dB	
Dynamic Range		Up to 72 dB							
Operation									
Video Compression		H.264, MJPEG							
Video Streaming		Dual streams							
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		30 fps at 1280 x 1024		30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)				N/A			
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed							
Focal Length	GV-EFD1100-0F	2.8 mm	GV-EFD2100-0F	2.8 mm	GV-EDR1100-0F	2.8 mm	GV-EDR2100-0F	2.8 mm	
	GV-EFD1100-2F	3.8 mm	GV-EFD2100-2F	3.8 mm	GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	
Maximum Aperture	GV-EFD1100-0F	F/2.0	GV-EFD2100-0F	F/2.0	GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	
	GV-EFD1100-2F	F/1.8	GV-EFD2100-2F	F/1.8	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	
Mount		M12, Pitch 0.5 mm							
Image Format		1/2.7"							
Horizontal FOV	GV-EFD1100-0F	93°	GV-EFD2100-0F	99°	GV-EDR1100-0F	93°	GV-EDR2100-0F	99°	
	GV-EFD1100-2F	64°	GV-EFD2100-2F	72°	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	
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)				N/A			
LED Indicator		4 LEDs: Link, ACT, Power, Status				4 LEDs: Link, ACT, Power, Status			
General									
Environment Temperature		0°C ~ 45°C (32°F ~ 113°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 / PoE (IEEE 802.3af)							
Max. Power Consumption		5.8 W							
Regulatory		CE, FCC, RCM, RoHS compliant							
Dimensions (L X W X H)		ø 100 x 60 mm (3.9" x 2.4")				ø 114 x 62.8 mm (4.49" x 2.47")			
Weight		148 g (0.33 lb)				600 g (1.32 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 3)




	GV-EFD2101	GV-EFD3101	GV-EFD5101	GV-EVD2100	GV-EVD3100	GV-EVD5100	
							
Camera							
Image Sensor	1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	
Picture Elements	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.005 Lux	0.01 Lux	0.12 Lux	0.005 Lux	0.01 Lux	
	B/W	0.004 Lux	0.01 Lux	0.10 Lux	0.004 Lux	0.01 Lux	
	IR ON	0 Lux					
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	56 dB	54 dB	46 dB	
WDR Pro (with WDR sensor)	N/A	Yes	Yes	N/A	Yes	Yes	
Dynamic Range	Up to 72 dB	Up to 100 dB	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	30 fps at 2048 x 1536	30 fps at 2592 x 1944	30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944	
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"	1/2.8"		1/3.2"	
Horizontal FOV	102° ~ 40°	96° ~ 36°	92° ~ 32°	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)	50 m (164.04 ft)		30 m (98.4 ft)	
Mechanical							
Camera Adjustment	Pan	0° ~ 350°					
	Tilt	0° ~ 75°					
	Rotate	0° ~ 340°					
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 Operation	0 °C ~ 50 °C (32 °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	5.8 W		7W	6.1 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")			Ø 160 x 108.4 mm (6.2" x 4.27")			
Weight	470 g (1.04 lb)			1.15 kg (2.54 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).



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	Pan	-175° ~ 175°		
Adjustment	Tilt	-45° ~ 90°		
Temperature Detector		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (built-in microphone or external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"		
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
LED Indicator		2 LEDs: Power, Status		
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	Fixed			
	Zoom	Fixed			
IR LED Quantity		6 IR LEDs			
Max. IR Distance		10 m (32.81 ft.)			
Mechanical					
Temperature Detector		Yes			
Connectors	Power	Terminal block (2 pin), PoE			
	Ethernet	Ethernet (10/100/1000 Base-T), RJ-45 Connector			
	Audio	1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")		1 In (built-in microphone), 1 Out (built-in speaker)	
	Digital I/O	N/A			
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
	USB	GV-WiFi Adapter or mini USB hard drive		N/A	
General					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)		-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)			
Power Source	w/o PoE Converter	Camera: 12V DC / 24V AC / PoE (IEEE 802.3af) IR LED ring: 12V D			
	w/ PoE Converter	PoE (IEEE 802.3 at)		N/A	
Max. Power Consumption	w/o PoE Converter	22 W		15.4 W	
	w/ PoE Converter	30 W		N/A	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimensions	Camera Body - Hard-Ceiling Mount (with IR LED Ring)	Ø 175 x 48.36 mm (6.89" x 1.93")			
Weight	w/o PoE Converter	870 g (1.92 lb)		960 g (2.12 lb)	
	w/ PoE Converter			1.045 kg (2.3 lb)	
Ingress Protection		N/A			
Vandal Resistance		IK10+ for metal casing			

Note:

- 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)	-40°C ~ 50°C (-40°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 802.3af)	12V DC / 24V AC / PoE (IEEE 802.3af)	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
Weight		700 g (1.54 lb)		Lens Ø 80.35 x 115.12 mm
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)		GV-SD220-S (Outdoor)		GV-SD2300 (Outdoor)	
	20X / 30X		20X / 30X			
						
Image Sensor	1/2.8 Progressive Scan CMOS			1/2.8" progressive scan super low lux CMOS sensor		
Picture Elements	1920 (H) x 1080 (V)					
Minimum	0.05 lux at F/1.6				0.02 lux at F/1.6	
Color						
Illumination	0.005 lux at F/1.6				0.001 lux at F/1.6	
B/W						
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		Auto/Manual	
	Zoom		20x / 30x		20x	
	Iris		Auto/Manual		Auto/Manual	
Mechanical						
Temperature Detector			Yes			
Connectors	Power		DC Jack, PoE			
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector		10/100 Base-T, RJ-45 connector	
	Audio		1 in 1 out (RCA female)		1 in (RCA female for microphone) 1 out (RCA female for speaker)	
	Digital I/O		I/O wires		I/O Wires	
	Local Storage		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
General						
Environment Temperature	-10 °C ~ 50 °C (14 °F ~ -122 °F)				-40 °C ~ 50 °C (-40 °F ~ -122 °F)	
Humidity			20% to 90% (no condensation)			
Power Source	24V AC / 24V DC / PoE (IEEE 802.3at)		24V AC / 24V DC / PoE++ (60 W)		24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)	
Max. Power Consumption	30 W		60 W (with 30 W heater)		60 W (with 30 W Heater)	
Regulatory			CE, FCC, RCM, RoHS Compliant			
Dimensions	Camera Body		ø 172 x 221.9 mm (7" x 8.8")		ø 220 x 297.75 mm (8.66" 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:

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



IP Speed Dome Camera Specifications (Part 2)


Camera	GV-SD2301 (Outdoor)		GV-SD2411 (Outdoor)		GV-SD2322-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		
Picture Elements			1920 (H) x 1080 (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		
BLC	On / Off				N/A		
Optical Zoom	20x		30x		22x		
Digital Zoom	12x		12x		Unlimited		
WDR Pro (with WDR sensor)	Yes				N/A		
Dynamic Range	Up to 100 dB		Up to 100 dB		Up to 72 dB		
Operation							
Video Compression	H.264, MJPEG						
Video Streaming	Dual streams from H.264 or MJPEG				Triple streams from H.264 or MJPEG		
Frame Rate	30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720		60/50 fps (60/50 Hz) at 1920 x 1080		30/25 fps (60/50 Hz) at 1920 x 1080		
Audio Compression	G.711, AAC (optional)				G.711		
Sensor Input	4 Input (Dry Contact)				2 Sensor Inputs		
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						
Presets	255						
Preset Accuracy	0.2°						
Auto Pan	8				Yes		
Sequence	Max Number	8		Patrol	Yes Max Patrols Allowed: 16 Max Actions per Patrol: 32		
	Max Presets Allowed	16					
Cruise	4						
Tour	8						
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		
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)		-40°C ~ 70°C (-40°F ~ 158°F)		
Humidity	20% to 90% (no condensation)						
Power Source	24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)				24V AC / 24V DC		
Max. Power Consumption	50 W (with 30 W Heater)				52.5 W		
Regulatory	CE, FCC, RCM, RoHS Compliant				CE, FCC, RoHS compliant		
Dimensions	Camera Body		Ø 211.63 x 232 mm (8.332" x 9.13")		Ø 227 x 359.4 mm (8.94" x 14.15")		
Weight	3.1 kg (6.82 lb)				5.4 kg (11.9 lb)		
Ingress Protection	IP67				IP66		
Vandal Resistance	IK10 for metal and polycarbonate casing				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.



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
Operation	Zoom	Fixed
Operation	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.
Connectors	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)
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 μ m
Thermal Sensitivity		≤ 100 mK at f/1,300K
Spectral Range		8 ~ 14 μ m
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.