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Box Camera Specifications (Part 1)

		GV-BX1500 Series			GV-BX2500 Series			GV-BX2600			
		GV-BX1500-0F / 1F / 2F / 8F	GV-BX1500-3V	GV-BX1500-3V P-Iris (Coming)	GV-BX2500-0F / 2F / 8F	GV-BX2500-3V	GV-BX2500-3V P-Iris (Coming)	GV-BX2600			
		Fixed Lens	Varifocal Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens			
											
Camera											
Image Sensor		1/3" progressive scan super low lux CMOS			1/2.8" progressive scan super low lux CMOS						
Picture Elements		1280 (H) x 1024 (V)			1920 (H) x 1080 (V)						
Minimum Illumination	Color	0.01 Lux			0.02 Lux						
	B/W	0.01 Lux			0.02 Lux						
	IR ON	0 Lux									
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)									
White Balance		Auto, Manual (2800K ~ 8500K)									
Gain Control		Automatic									
S/N Ratio		55 dB			52 dB						
WDR Pro (with WDR Sensor)		N/A			N/A						
Dynamic Range		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			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	BX1500-0F	4 mm		2.8 ~ 12 mm	BX1500-3V	3 ~ 10.5 mm	BX2500-0F	4 mm			
	BX1500-1F	8 mm					BX2500-1F	8 mm			
	BX1500-2F	12 mm					BX2500-2F	12 mm			
	BX1500-8F	2.8 mm					BX2500-8F	2.8 mm			
Maximum Aperture	BX1500-0F	F/1.5		F/1.4	F/1.4	F/1.4	BX2500-0F	F/1.5			
	BX1500-1F	F/1.6					BX2500-1F	F/1.6			
	BX1500-2F	F/1.6					BX2500-2F	F/1.6			
	BX1500-8F	F/1.8					BX2500-8F	F/1.8			
Mount		CS Mount									
Image Format	BX1500-0F	1/3"		1/2.7"	1/2.7"	1/2.7"	BX2500-0F	1/3"			
	BX1500-1F	1/2.5"					BX2500-1F	1/2.5"			
	BX1500-2F	1/2.5"					BX2500-2F	1/2.5"			
	BX1500-8F	1/2.5"					BX2500-8F	1/2.5"			
Horizontal FOV	BX1500-1F	36°		86° ~ 31°	BX1500-3V	81° ~ 29°	BX2500-1F	40°			
	BX1500-2F	23°					BX2500-2F	25°			
	BX1500-8F	90°					BX2500-8F	107°			
								105° ~ 36°		96° ~ 34°	
Operation	Focus	Manual w/lock									
	Zoom	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)			
	Iris	Fixed		DC drive		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-BX3400-0F/1F /2F //8F		GV-BX3400-4V~5V		GV-BX3400-3V P-Iris (Coming)		
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal 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 (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				
Focal Length	BX2400-0F	4 mm		BX2400-3V	2.8 ~ 12 mm		BX3400-0F	4 mm		BX3400-4V	3 ~ 10.5 mm	
	BX2400-1F	8 mm			BX3400-1F	8 mm		BX3400-3V	3 ~ 10.5 mm			
	BX2400-2F	12 mm		BX2400-4V	3 ~ 10.5 mm		BX3400-2F	12 mm		BX3400-5V	2.8 ~ 6 mm	
Maximum Aperture	BX2400-0F	F/1.5		BX2400-3V	F/1.4	BX3400-0F	F/1.5		BX3400-4V	F/1.4		F/1.4
	BX2400-1F	F/1.6				BX3400-1F	F/1.6			BX3400-5V	F/1.3	
	BX2400-2F			BX3400-2F		F/1.6		BX3400-8F	F/1.8			
				BX3400-8F		F/1.8						
Mount		CS Mount										
Image Format	BX2400-0F	1/3"		BX2400-3V	1/2.7"	BX3400-0F	1/3"		BX3400-4V	1/2.7"		
	BX2400-1F	1/2.5"				BX2400-4V	BX3400-1F	1/2.5"		BX3400-5V	1/3"	
	BX2400-2F			BX3400-2F		1/2.5"		BX3400-8F				
Horizontal FOV	BX2400-1F	32°		BX2400-3V	77° ~ 28°		BX3400-1F	35°		BX3400-4V	78° ~ 28°	
	BX2400-2F	21°		BX2400-4V	73° ~ 27°		BX3400-2F	23°		BX3400-5V	94° ~ 45°	
					BX3400-8F	88°						
Operation	Focus	Manual w/lock										
	Zoom	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)				
	Iris	Fixed		DC drive		Fixed		DC drive		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:		<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 <p>To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.</p>										



Box Camera Specifications (Part 3)




	GV-BX5300 Series			GV-BX12201
	GV-BX5300-8F Fixed Lens	GV-BX5300-6V Varifocal Lens	GV-BX5300-6V P-Iris (Coming) Varifocal Lens	
				
Camera				
Image Sensor	1/2.5" progressive scan CMOS			1/1.7" progressive scan CMOS
Picture Elements	2560 (H) x 1920 (V)			4000 (H) x 3000 (V)
Minimum Illumination	Color	0.15 Lux		0.1 Lux
	B/W	0.10 Lux		0.05 Lux
	IR ON	0 Lux		
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)			Automatic, Manual (1/30 ~ 1/16000 sec)
White Balance	Auto, Manual (2800K ~ 8500K)			Automatic, Manual (2800 ~ 8500K)
Gain Control				Automatic
S/N Ratio	45 dB			52 dB
WDR Pro (with WDR sensor)	N/A			N/A
Dynamic Range				Up to 72 dB
Operation				
Video Compression				H.264, MJPEG
Video Streaming	Dual Stream			Dual streams from H.264 or MJPEG
Frame Rate	10 fps at 2560 x 1920			15 fps at 4000 x 3000 30 fps at 3840 x 2160
Audio Compression				G.711, AAC (optional)
Sensor Input				1 Input (Dry Contact)
Alarm Output				1 Digital Output (200mA 5V DC)
Optical Lens				
Megapixel				Yes
Day/Night				Yes (with removable IR-cut filter)
Lens Type	Fixed Lens		Varifocal Lens	
Focal Length	2.8 mm	4.5 ~ 10 mm	3.3 ~ 10.5 mm	4.1 ~ 9 mm
Maximum Aperture	F/1.8	F/1.6	F/1.4	F/1.6
Mount				CS Mount
Image Format	1/2.5"	1/2"	1/2.5"	1/1.8"
Horizontal FOV	112°	70° ~ 34°	84° ~ 35°	109° ~ 50°
Focus				Manual (w/lock)
Zoom	Fixed	Manual (w/lock)		Manual (w/lock)
Iris	Fixed	Manual (w/lock)	P-Iris	DC drive
Mechanical				
Temperature Detector				Yes
Power				2-pin terminal block, PoE
Ethernet				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)
Local Storage*				Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card types are not supported. *Currently, the local storage function is not supported for GV-BX12201
TV-Out				BNC connector (640 x 480 resolution)
Mini USB	GV-WiFi Adapter or USB hard drive			GV-WiFi Adapter
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	9.5 W	6.77 W		6 W
Regulatory				CE, FCC, RCM, RoHS compliant
Dimensions	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")			Without lens: 120 x 75.2 x 54 mm (4.72" x 2.96" x 2.13") With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")
Weight	321 g (0.71 lb)		300 g (0.66 lb)	
				545 g / 1.2 lb

Note:

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



Ultra Box Camera Specifications







		GV-UBX1301 Series		GV-UBX2301 Series		GV-UBX3301 Series	
							
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)
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 LED Quantity		P-Iris	DC drive	P-Iris	Manual (w/lock)		P-Iris
Max. IR Distance		15 m (50 ft)				4 IR LEDs	70 m (230 ft)
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")
						Cable Length	1 m (39.4")
Weight		3.2 Kg (7.1 lb)					
Ingress Protection		IP67					
Vandal Resistance		IK10 for metal casing					
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)				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
					
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)		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 ~ 1/8000sec)			
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		20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 input (Dry Contact)			
Alarm Output		1 digital output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			
Maximum Aperture		F/1.2			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive	DC drive	DC drive	DC drive
IR LED Quantity		16 IR LEDs			
Max. IR Distance		70 m (230 ft)	50 m (164 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 (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		-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		7.68 W	7.2 W	8 W	7.2 W
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions	Camera Body	277.5 x 87.75 x 148.95 mm (10.9" 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)	1.35 kg (2.98 lb)	1.4 Kg (3.08 lb)	1.35 kg (2.98 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	Pan		0° ~ 360°	
Angle	Tilt		90° ~ 180°	
Adjustment	Rotate		0° ~ 360°	
Temperature	Detector		Yes	
Connectors	Power		2-pin terminal block, PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector	
	Audio		1 In (RCA female for microphone) 1 Out (RCA female for speaker)	
	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:

- 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 3)





		GV-BL1501 (Coming)	GV-BL2501	GV-BL3401	GV-BL2511-E	GV-BL5311-E
						
Camera						
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.02 Lux	0.15 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.02 Lux	0.10 Lux
	IR ON	0 Lux				
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)				
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		55 dB	52 dB	47 dB	52 dB	45 dB
WDR Pro (with WDR sensor)		N/A	N/A	Yes	N/A	N/A
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 72 dB
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual streams				
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1920 x 1080	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)				
Sensor Input		1 input (Dry Contact)				
Alarm Output		1 digital output (200mA 5V DC)				
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Lens Type		Varifocal Lens			Motorized Varifocal Lens	
Focal Length		3 ~ 9 mm				
Maximum Aperture		F/1.2				
Mount		Ø14 mm				
Image Format		1/2.7"				
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°	103° ~ 36°	70° ~ 39°
Operation	Focus	Manual (w/lock)			Auto Focus	
	Zoom	Manual (w/lock)			3X Optical Zoom	2X Optical Zoom
	Iris	P-Iris				
IR LED Quantity		16 IR LEDs				
Max. IR Distance		70 m (230 ft)	50 m (164 ft)		50 m (164 ft)	40 m (131 ft)
Mechanical						
Camera Angle	Pan	0° ~ 360°				
	Tilt	90° ~ 180°				
Adjustment	Rotate	0° ~ 360°				
Temperature Detector		Yes				
Connectors	Power	2-pin terminal block, PoE			2-pin terminal block	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)				
	Digital I/O	3-pin terminal block				
Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			*SDXC and UHS-I card types are not supported	
General						
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)			-40°C ~ 50°C (-40 °F ~ 122 °F)	
Humidity		10% to 90% (no condensation)				
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)			12V DC / 24V AC	
Max. Power Consumption		7.68 W	8 W	7.2 W	34 W	33.2 W
Regulatory		CE, FCC, RCM, RoHS compliant				
Dimensions		340.4 x 87.75 x 120 mm (13.4" x 3.45" x 4.72")			355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")	
Weight		1.91 kg (4.21 lb)			1.96 kg (4.32 lb)	
Heater		N/A			On: -40°C ~ 30°C (-40 °F ~ 86°F); Off: 31°C (87.8°F)	
Fan		NA			Constantly on	
Ingress Protection		IP67				
Vandal Resistance		IK10 for metal casing				

Note:

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:

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



Ultra Bullet Camera Specifications








		GV-UBL1211	GV-UBL2411	GV-UBL3411	GV-UBL1301 Series	GV-UBL2401 Series	GV-UBL3401 Series	
								
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-UBL1301-1F	4 mm	GV-UBL2401-1F	4 mm	
				GV-UBL1301-2F	8 mm	GV-UBL2401-2F	8 mm	
				GV-UBL1301-3F	12 mm	GV-UBL2401-3F	12 mm	
Maximum Aperture	F/1.2			GV-UBL1301-0F	F/2.0	GV-UBL2401-0F	F/2.0	
				GV-UBL1301-1F	F/1.5	GV-UBL2401-1F	F/1.5	
				GV-UBL1301-2F	F/1.6	GV-UBL2401-2F	F/1.6	
				GV-UBL1301-3F	F/1.6	GV-UBL2401-3F	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-UBL1301-1F	49°	GV-UBL2401-1F	58°
					GV-UBL1301-2F	25°	GV-UBL2401-2F	31°
				GV-UBL1301-3F	16°	GV-UBL2401-3F	20°	
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						
Power		2-pin terminal block, PoE						
Ethernet		Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof)						
Digital I/O		I/O Wire						
Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported						
General								
Environment Temperature		-10 °C ~ 45 °C (14 °F ~ 113 °F)			Start-up	-20 °C ~ 45 °C (-4 °F ~ 113 °F)		
					Operation	-20 °C ~ 45 °C (-4 °F ~ 113 °F)		
Humidity		10% to 90% (no condensation)						
Power Source		5V DC / PoE (IEEE 802.3af)						
Max. Power Consumption		6.94 W			5.52W			
Regulatory		CE, FCC, RCM, RoHS compliant						
Dimensions		148.75 x 65 x 69 mm (5.9" x 2.6" x 2.7")			124 x 65 x 69 mm (4.9" x 2.6" x 2.7")			
Weight		850 g (1.9 lb)			730 g (1.6 lb)			
Ingress Protection		IP67						
Vandal Resistance		IK10 for metal casing						

Note:

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



Vandal Proof Dome Specifications (Part 1)





	(IK10+, Transparent Cover) - GV-VD120D - GV-VD121D (IK7, Transparent Cover) - GV-VD122D - GV-VD123D	(IK10+, Transparent Cover) GV-VD220D GV-VD221D (IK7, Transparent Cover) - GV-VD222D - GV-VD223D	(IK10+, Transparent Cover) - GV-VD320D - GV-VD321D (IK7, Transparent Cover) - GV-VD322D - GV-VD323D	GV-VD1500 (IK10+, Transparent Cover)	GV-VD2400 (IK10+, Transparent Cover)	GV-VD2500 (IK10+, Transparent Cover)	GV-VD3400 (IK10+, Transparent Cover)
							
Camera							
Image Sensor	1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.05 Lux		0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.03 Lux		0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux					
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)						
White Balance	Auto, Manual (2800K ~ 8500K)						
Gain Control	Automatic						
S/N Ratio	50 dB	45 dB		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)	N/A				Yes	N/A	Yes
Dynamic Range	Up to 72 dB				Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation							
Video Compression	H.264, MJPEG						
Video Streaming	Dual streams						
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536
Audio Compression	G.711, AAC (optional)						
Sensor Input	1 Input (Dry Contact)						
Alarm Output	1 Digital output (200mA 5V DC)						
Optical Lens							
Megapixel	Yes						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Varifocal Lens						
Focal Length	3 ~ 9 mm						
Maximum Aperture	F/1.3			F/1.2			
Mount	Ø14 mm						
Image Format	1/3"			1/2.7"			
Horizontal FOV	86° ~ 32°	82° ~ 30°	86° ~ 31°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation							
Focus	Manual (w/lock)						
Zoom	Manual (w/lock)						
Iris	DC drive						
IR LED Quantity	10 IR LEDs						
Max. IR Distance	15 m (50 ft)			30 m (98.4 ft)			
Mechanical							
Camera Angle	Pan: 0° ~ 350°						
Adjustment	Tilt: 10° ~ 90°						
Temperature Detector	Rotate: 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
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			
Maximum Aperture		F/1.2			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	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*	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	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE 802.3at)			
Max. Power Consumption		15.4 W			
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions		Ø176.5 x 118 mm (6.9" x 4.6")			
Weight		1.76 kg (3.88 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10+			

Note:

- 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 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	0.15 Lux
	B/W	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	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°	
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)	
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")	
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
	TV-Out	BNC connector (640 x 480 resolution)	
LED Indicator		2 LEDs: Power, Status	
General			
Environment 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-FD1200	GV-FD1500	GV-FD2400	GV-FD2500	GV-FD3400	GV-FD5300	
							
Camera							
Image Sensor	1/3" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2560 (H) x 1536 (V)	
Minimum Illumination	Color	0.05 Lux	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	B/W	0.03 Lux	0.01 Lux	0.05 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	50 dB	55 dB	47 dB	52 dB	47 dB	45 dB	
WDR Pro (with WDR sensor)	N/A		Yes	N/A	Yes	N/A	
Dynamic Range	Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	
Operation							
Video Compression	H.264, MJPEG						
Video Streaming	Dual streams						
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	
Audio Compression	G.711, AAC (optional)						
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"						
Horizontal FOV	86° ~ 32°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	70° ~ 34°	
Operation	Focus	Manual (w/lock)					
	Zoom	Manual (w/lock)					
	Iris	DC drive	DC drive; P-Iris (Coming)	DC drive	DC drive; P-Iris (Coming)	Manual (w/lock)	
IR LED Quantity	10 IR LEDs						
Max. IR Distance	15 m (50 ft)	30 m (98.4 ft)			25 m (82 ft)		
Mechanical							
Camera	Pan	0° ~ 350°					
Angle	Tilt	10° ~ 90°					
Adjustment	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-FD1210	GV-FD1510	GV-FD2410	GV-FD2510	GV-FD3410
					
Camera					
Image Sensor	1/3" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.05 Lux	0.01 Lux	0.08 Lux	0.02 Lux
	B/W	0.03 Lux	0.01 Lux	0.05 Lux	0.02 Lux
	IR ON	0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance	Auto, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	50 dB	55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)	N/A		Yes	N/A	Yes
Dynamic Range	Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression	H.264, MJPEG				
Video Streaming	Dual streams				
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536
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	86° ~ 32°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Auto Focus			
	Zoom	3X Optical Zoom			
	Iris	DC drive	DC drive; P-Iris (Coming)	DC drive	P-Iris
IR LED Quantity	10 IR LEDs				
Max. IR Distance	15 m (50 ft)	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	Fixed				
	Iris	Fixed				
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	N/A			Yes		
Max. PIR / White Illumination LED Distance	N/A			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:

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



Mini Fixed Dome Specifications

		GV-MFD1501 Series		GV-MFD2401 Series		GV-MFD2501 Series		GV-MFD3401 Series		GV-MFD5301 Series			
													
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					1/3" 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
Shutter Speed	B/W	0.10 Lux			0.01 Lux	0.05 Lux	0.10 Lux
White Balance							
Auto, Manual (1/5 ~ 1/8000 sec)							
Gain Control							
Automatic							
S/N Ratio		45 dB			55 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A			N/A	Yes	N/A
Dynamic Range		Up to 72 dB			Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation							
Video Compression				H.264, MJPEG			
Video Streaming				Dual streams			
Frame Rate		30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression				G.711, AAC (optional)			
Optical Lens							
Megapixel							
Yes							
Day/Night							
Yes (electronic)							
Lens Type							
Fixed Lens							
Focal Length		2.54 mm			MDR1500-1F 2.8 mm	MDR3400-1F 2.8 mm	MDR5300-1F 2.8 mm
					MDR1500-2F 3.8 mm	MDR3400-2F 3.8 mm	MDR5300-2F 3.8 mm
Maximum Aperture		F/2.8			MDR1500-1F F/2.0	MDR3400-1F F/2.0	MDR5300-1F F/2.0
					MDR1500-2F F/1.8	MDR3400-2F F/1.8	MDR5300-2F F/1.8
Mount							
M12, Pitch 0.5 mm							
Image Format							
1/2.5"							
Horizontal FOV		101°	110°	138°	MDR1500-1F 88°	MDR3400-1F 85°	MDR5300-1F 104°
					MDR1500-2F 64°	MDR3400-2F 63°	MDR5300-2F 76°
Operation		Focus					
		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:

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



Target Series Specifications (Part 1)





		GV-EBX1100 Series		GV-EBL1100 Series		GV-EBL2100 Series		GV-EBL2101 (Coming)		
										
Camera										
Image Sensor		1/3" 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)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)				
Minimum Illumination	Color	0.05 Lux		0.05 Lux		0.07 Lux		0.005 Lux		
	B/W	0.03 Lux		0.03 Lux		0.04 Lux		0.004 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		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				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-EBL1100-1F	6 mm	GV-EBL2100-1F	6 mm	3 ~ 9 mm			
	GV-EBX1100-2F	3.8 mm	GV-EBL1100-2F	3.8 mm	GV-EBL2100-2F	3.8 mm				
Maximum Aperture	GV-EBX1100-0F	F/2.0	GV-EBL1100-1F	F/1.8	GV-EBL2100-1F	F/1.8	F/1.7			
	GV-EBX1100-2F	F/1.8	GV-EBL1100-2F	F/1.8	GV-EBL2100-2F	F/1.8				
Mount		M12, Pitch 0.5 mm						Ø14 mm		
Image Format		1/2.7"								
Horizontal FOV	GV-EBX1100-0F	93°	GV-EBL1100-1F	44°	GV-EBL2100-1F	51°	102° ~ 40°			
	GV-EBX1100-2F	64°	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				0° ~ 360°				
	Tilt	N/A				90° ~ 180°				
Connectors	Power	2-pin terminal block, PoE								
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable								
	Audio	1 In (built-in microphone)		N/A						
LED Indicator		2 LEDs: Power, Status		4 LEDs: Link, ACT, Power, Status * Inside camera, not visible from outside						
General										
Environment Temperature		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				IP67				
Vandal Resistance		N/A				IK10 for metal casing				

Note:

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



Target Series Specifications (Part 2)





		GV-EFD1100 Series		GV-EFD2100 Series		GV-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-EVD2100	GV-EVD3100
					
Camera					
Image Sensor		1/2.8" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.005 Lux	0.01 Lux	0.005 Lux	0.01 Lux
	B/W	0.004 Lux	0.01 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	56 dB	54 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 1920 x 1080	30 fps at 2048 x 1536	30 fps at 1920 x 1080	30 fps at 2048 x 1536
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"			
Horizontal FOV		102° ~ 40°	96° ~ 36°	102° ~ 40°	96° ~ 36°
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)			
Mechanical					
Camera Angle 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	0 °C ~ 50 °C (32 °F ~ 122 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
	Operation			-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		5.8 W		6.1 W	
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:

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).



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:

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



Fisheye Camera Specifications (Part 1)







		GV-FE3402 (Indoor)	GV-FE5302 (Indoor)	GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
		Without IR Ring			
					
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)	GV-FER12203 (Outdoor)	GV-UNFE2503 (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	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low Lux CMOS	
Picture Elements	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux	0.1 Lux	
	B/W	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux	0.05 Lux	
	IR ON	0 Lux					0.02 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)				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	47 dB	45 dB	47 dB	45 dB	52 dB		
WDR Pro (with WDR Sensor)	Yes	N/A	Yes	N/A	N/A		
Dynamic Range	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	N/A	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	15 fps at 4000 x 3000, 25 fps at 2896 x 2768	30 fps at 1920 x 1080	
Audio Compression	G.711, AAC (optional)				G.711, AAC (optional)	AAC 32K	
Sensor Input	N/A				1 input (Dry Contact)	N/A	
Alarm Output	N/A				1 Digital Output (200mA 5V DC)	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	1.83 mm	1.19 mm	
Maximum Aperture	F/2.0				F/2.4	F/2.0	
Mount	M12, Pitch 0.5 mm				M12		
Image Format	4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"	1/1.7"	1/2.3"	
Horizontal FOV	180°						
Operation	Focus	Fixed					
	Iris	Fixed					
	Zoom	Fixed					
IR LED Quantity	6 IR LEDs				6 IR LEDs	8 IR LEDs	
Max. IR Distance	10 m (32.81 ft.)				30 m (98.43 ft)	10 m (32.81 ft.)	
Mechanical							
Temperature Detector	Yes						
Connectors	Power	Terminal block (2 pin), PoE					
	Ethernet	Ethernet (10/100/1000 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)			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)
Local Storage	Digital I/O	N/A				3-pin terminal block, pitch 2.5 mm (0.1")	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 * Currently, the local storage function is not supported for GV-FER12203					
	USB	GV-WiFi Adapter or mini USB hard drive	N/A		GV-WiFi Adapter or USB hard drive * Currently, the connection to USB hard drive is not supported.	N/A	
General							
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)		-30°C ~ 50°C (-22°F ~ 122°F)		-40°C ~ 50°C (-40°F ~ 122°F)	-5 °C ~ 50 °C (23 °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				12V DC / 24V AC / PoE (IEEE 802.3at)	PoE (IEEE 802.3af)
	w/ PoE Converter	PoE (IEEE 802.3 at)		N/A			
Max. Power Consumption	w/o PoE Converter	22 W		22 W		28 W	7.7 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")			Ø 160.6 x 59.1 mm (6.32" x 2.33")	Body 78.5 x 47.36 x 32.5 mm
						700 g (1.54 lb)	Lens Ø 80.35 x 115.12 mm
Weight	w/o PoE Converter		870 g (1.92 lb)	960 g (2.12 lb)		480 g (1.06 lb)	
	w/ PoE Converter		1.045 kg (2.3 lb)				
Ingress Protection	N/A				IP67		
Vandal Resistance	IK10+ for metal casing				IK10+ for metal casing		

Note:

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



IP Speed Dome Camera Specifications


Camera		GV-SD220 (Indoor) 20X / 30X	GV-SD220-S (Outdoor) 20X / 30X	GV-SD2300 (Outdoor)	GV-SD2301 (Outdoor)	GV-SD2411 (Outdoor)
						
Image Sensor		1/2.8 Progressive Scan CMOS				
Picture Elements		1920 (H) x 1080 (V)				
Minimum Illumination	Color	0.05 lux at F/1.6		0.02 lux at F/1.6		0.05 lux at F/1.6
	B/W	0.005 lux at F/1.6		0.001 lux at F/1.6		0.002 lux at F/1.6
Shutter Speed		1/1 ~ 1/10000 sec				
White Balance		Auto / Manual				
Gain Control		Auto / Manual				
AGC Control		Auto / Manual		N/A		
S/N Ratio		> 50 dB (AGC Off)		50 dB (AGC Off)		
BLC		On / Off				
Optical Zoom		20x / 30x		20x		30x
Digital Zoom		12x			12x	
WDR Pro (with WDR sensor)		Yes		N/A		
Dynamic Range		Up to 100 dB		N/A		
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual Streams		Dual streams from H.264 or MJPEG		
Frame Rate		30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720				60/50 fps (60/50 Hz) at 1920 x 1080
Audio Compression		G.711, AAC (optional)				
Sensor Input		4		4 Input (Dry Contact)		
Alarm Output		1		1 Digital Output (200mA 5V DC)		
Pan Travel		360° endless				
Tilt Travel		0° ~ 180°			-20° ~ 200°	
Proportional Pan & Tilt		On / Off (pan and tilt speed is proportional to the zoom ratio)			N/A	
Auto Flip		Digital / Mechanical / Off		N/A		
Movement Speed		0.5° ~ 460°/s		N/A		
Presets		255				
Preset Accuracy		0.2°				
Preset Speed		0.5° ~ 460°/s				
Sequence		8		Max Number	8	
				Max Presets Allowed	16	
Auto Pan		8				
Cruise		4				
Tour		8				
Privacy Mask		8				
Wide Dynamic Range		On / Off				
Calibration		Auto / Manual		Up to 72 dB		Up to 100 dB
Optical Lens						
Megapixel		Yes		N/A		
Day/Night		Yes (with removable IR Cut Filter)				
Focal Length		4.7 ~ 94.0 mm (20x); 4.3 ~ 129 mm (30x)		4.7 ~ 94 mm		4.3 ~ 129 mm
Maximum Aperture		F / 1.6				
Operation	Focus	Auto/Manual			Auto/Manual	
	Iris	Auto/Manual			20x	
	Zoom	Auto/Manual			Auto/Manual	
Mechanical						
Temperature Detector		Yes		N/A		
Connectors	Power	DC Jack, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector		10/100 Base-T, RJ-45 connector		
	Audio	1 in 1 out (RCA female)		1 in (RCA female for microphone)		
	Digital I/O	4 in 1 out (I/O wires)		1 out (RCA female for speaker)		
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported *The local storage function is not supported currently for GV-SD2411 (Outdoor) (Coming)				
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)	50 W (with 30 W Heater)	
Regulatory		CE, FCC, RCM, RoHS Compliant				
Dimensions	Camera Body	ø 172 x 221.9 mm (7" x 8.8")	ø 220 x 297.75 mm (8.7" x 11.7")	ø 220 x 297.75 mm (8.66" x 11.72")		ø 211.63 x 232 mm (8.332" x 9.13")
Weight		3.2 Kg (7.1 lb)	4.7 Kg (10.4 lb)	4.7 kg (10.4 lb)		3.1 kg (6.82 lb)
Ingress Protection		-			IP67	
Vandal Resistance		-			IK10 for metal and polycarbonate casing	

Note:

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



Pinhole Camera Specifications

		GV-UNP2500
		
Camera		
Image Sensor	1/2.8" progressive scan super low lux CMOS	
Picture Elements	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.02 Lux
	B/W	
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance	Automatic, Manual (2800K ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	52 dB	
WDR	Yes	
Dynamic Range	Up to 72 dB	
Operation		
Video Compression	H.264, MJPEG	
Video Streaming	Dual streams from H.264 or MJPEG	
Frame Rate	30 fps at 1920 x 1080	
Audio Compression	AAC 32K	
Sensor Input	No	
Alarm Output	No	
Optical Lens		
Megapixel	Yes	
Day/Night	Yes (Electronic)	
Iris	Fixed	
Focal Length	3.7 mm	
Maximum Aperture	F/2.8	
Mount	M12	
Image Format	1/2.7"	
Horizontal FOV	84°	
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
Mechanical		
Temperature Detector	Yes	
Connectors	Power	PoE (IEEE 802.3af)
	Ethernet	RJ-45 connector
	Audio	1 In (built-in microphone)
Connectors	Local Storage*	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
	Camera Unit Connect	RJ-12
LED Indicator	4 LEDs: Link, ACT, Camera Status, RJ-12 Status	
General		
Environment Temperature	-5 °C ~ 50 °C (23 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	PoE (IEEE 802.3af)	
Max. Power Consumption	4.8 W	
Regulatory	CE, FCC, RCM, RoHS compliant	
Dimensions	Main Base	78.5 x 47.36 x 32.5 mm (3.09" x 1.86" x 1.28")
	Pinhole Unit	∅ 59.93 x 50.14 mm (2.36" x 1.97")
Weight (with rack)	210 g (0.46 lb)	

Note:

- 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).