



Contents

Box Camera Specifications (Part 1)	3
Box Camera Specifications (Part 2)	4
Box Camera Specifications (Part 3)	5
Ultra Box Camera Specifications	6
IR Arctic Box Camera Specifications (Part 1)	7
IR Arctic Box Camera Specifications (Part 2)	8
Bullet Camera Specifications (Part 1)	9
Bullet Camera Specifications (Part 2)	10
Bullet Camera Specifications (Part 3)	11
Ultra Bullet Camera Specifications (Part 1)	12
Ultra Bullet Camera Specifications (Part 2)	13
Vandal Proof Dome Specifications (Part 1)	14
Vandal Proof Dome Specifications (Part 2)	15
Vandal Proof Dome Specifications (Part 3)	16
Vandal Proof Dome Specifications (Part 4)	17
Fixed Dome Specifications (Part 1)	18
Fixed Dome Specifications (Part 2)	19
Fixed Dome Specifications (Part 3)	20
Cube Camera Specifications	21
Advanced Cube Camera Specifications	22
Mini Fixed Dome Specifications (Part 1)	23
Mini Fixed Dome Specifications (Part 2)	24
Mini Fixed Rugged Dome Specifications (Part 1)	25
Mini Fixed Rugged Dome Specifications (Part 2)	26



Target Series Specifications	27
PT and PTZ Camera Specifications.....	28
Fisheye Camera Specifications (Part 1)	29
Fisheye Camera Specifications (Part 2)	30
Fisheye Camera Specifications (Part 3)	31
Fisheye Camera Specifications (Part 4)	32
Fisheye Camera Specifications (Part 5)	33
Fisheye Camera Specifications (Part 6)	34
IP Speed Dome Camera Specifications (Part 1)	35
IP Speed Dome Camera Specifications (Part 2)	36



Box Camera Specifications (Part 1)

		GV-BX120D	GV-BX140DW	GV-BX130D Series		GV-BX220D Series		GV-BX320D Series		GV-BX520D
		Varifocal Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens		Varifocal Lens		Varifocal Lens
										
Camera										
Image Sensor		1/3" progressive scan low lux CMOS	1/3" progressive scan CMOS	1/2.5" progressive scan CMOS						
Picture Elements		1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)
Minimum Illumination	Color	0.05 Lux	0.2 Lux	0.15 Lux						
	B/W	0.03 Lux	0.08 Lux	0.10 Lux						
	IR ON	0 Lux								
Shutter Speed		Auto, Manual (1/5 ~ 1/4000 sec)	Auto	Auto, Manual (1/5 ~ 1/8000 sec)						
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						
Operation										
Video Compression		H.264, MJPEG								
Video Streaming		Dual streams								
Frame Rate		30 fps at 1280 x 1024	30 fps at 1280 x 720	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		Fixed Lens	Varifocal Lens					
Focal Length		2.8 ~ 12 mm		4.0 mm	2.8 ~ 12 mm	GV-BX220D-2	2.8 ~ 6 mm	GV-BX320D-0	3.1 ~ 8 mm	4.5 ~ 10 mm
						GV-BX220D-3	2.8 ~ 12 mm	GV-BX320D-1	2.8 ~ 6 mm	
Maximum Aperture		F/1.4		F/1.5	F/1.4	GV-BX220D-2	F/1.3	GV-BX320D-0	F/1.2	F/1.6
						GV-BX220D-3	F/1.4	GV-BX320D-1	F/1.3	
Mount		CS Mount								
Image Format		1/3"								1/2"
Operation	Focus	Manual (w/lock)			Manual (w/lock)					
	Zoom									
	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	DC drive	Not functional	DC drive						Not functional
	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 / PoE(IEEE802.3af)								
Max. Power Consumption		7 W								
Regulatory		CE, FCC, C-Tick, RoHS compliant								
Dimensions (L X W X H) (Without lens)		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")								
Weight		321 g (0.71 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.



Box Camera Specifications (Part 2)

		GV-BX1200 Series		GV-BX1300 Series		GV-BX2400 Series				GV-BX3400 Series							
		GV-BX1200-0F ~2F		GV-BX1200-3V		GV-BX1300-0F ~2F		GV-BX1300-3V		GV-BX2400-0F ~2F GV-BX2400-8F		GV-BX2400-3V~4V		GV-BX3400-0F ~2F GV-BX3400-8F		GV-BX3400-4V~5V	
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens	
																	
Camera																	
Image Sensor		1/3" progressive scan low lux CMOS				1/2.5" progressive scan CMOS				1/3.2" 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)			
Minimum Illumination	Color	0.05 Lux				0.15 Lux				0.08 Lux							
	B/W IR ON	0.03 Lux				0.10 Lux				0.05 Lux							
Shutter Speed		0 Lux															
White Balance		Auto, Manual (1/5 ~ 1/8000 sec)															
Gain Control		Auto, Manual (2800K ~ 8500K)															
S/N Ratio		50 dB				45 dB				47 dB							
WDR Pro (with WDR Sensor)						N/A				Yes							
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			
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		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens	
Focal Length		BX1200-0F	4 mm	2.8 ~ 12 mm	BX1300-0F	4 mm	2.8 ~ 12 mm	BX2400-0F	4 mm	BX2400-3V	2.8 ~ 12 mm	BX3400-0F	4 mm	BX3400-4V	3 ~ 10.5 mm		
		BX1200-1F	8 mm		BX1300-1F	8 mm		BX2400-1F	8 mm			BX3400-1F	8 mm				
		BX1200-2F	12 mm		BX1300-2F	12 mm		BX2400-2 F	12 mm	BX2400-4V	3 ~ 10.5 mm	BX3400-2F	12 mm	BX3400-5V	2.8 ~ 6 mm		
								BX2400-8F	2.8 mm			BX3400-8F	2.8 mm				
Maximum Aperture		BX1200-0F	F/1.5	F/1.4	BX1300-0F	F/1.5	F/1.4	BX2400-0F	F/1.5	BX2400-3V		BX3400-0F	F/1.5	BX3400-4V	F/1.4		
		BX1200-1F	F/1.6		BX1300-1F	F/1.6		BX2400-1F	F/1.6	BX2400-4V	F/1.4	BX3400-1F	F/1.6	BX3400-5V	F/1.3		
		BX1200-2F			BX1300-2F			BX2400-2F				BX3400-2F					
								BX2400-8F	F/1.8			BX3400-8F	F/1.8				
Mount		CS Mount															
Image Format		BX1200-0F	1/3"	1/2.7"	BX1300-0F	1/3"	1/2.7"	BX2400-0F	1/3"	BX2400-3V	1/2.7"	BX3400-0F	1/3"	BX3400-4V	1/2.7"		
		BX1200-1F	1/2.5"		BX1300-1F	1/2.5"		BX2400-1F	1/2.5"	BX2400-4V	1/2.7"	BX3400-1F	1/2.5"	BX3400-5V	1/3"		
		BX1200-2F			BX1300-2F			BX2400-8F				BX3400-2F					
Horizontal FOV		BX1200-0F	63°	87° ~ 31°	BX1300-0F	49°	64° ~ 23°	BX2400-0F	58°	BX2400-3V	77° ~ 28°	BX3400-0F	61°	BX3400-4V	78° ~ 28°		
		BX1200-1F	36°		BX1300-1F	26°		BX2400-1F	32°			BX3400-1F	35°				
		BX1200-2F	23°		BX1300-2F	17°		BX2400-2F	21°	BX2400-4V	73° ~ 27°	BX3400-2F	23°	BX3400-5V	94° ~ 45°		
								BX2400-8F	83°			BX3400-8F	88°				
Operation	Focus	manual w/lock															
	Zoom	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)		Fixed		Manual (w/lock)		Fixed		Manual (w/lock)	
	Iris	Fixed		DC drive		Fixed		DC drive		Fixed		DC drive		Fixed		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")															
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"															
	Auto Iris	Not functional		Yes		Not functional		Yes		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 (IEEE802.3af Class 3)															
Max. Power Consumption		9.5 W															
Regulatory		CE, FCC, C-Tick, 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:

- 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.

Note:

- 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.



Box Camera Specifications (Part 3)

		GV-BX1500 Series			GV-BX2500 Series			GV-BX5300 Series		
		GV-BX1500-0F ~ 2F GV-BX1500-8F		GV-BX1500-3V	GV-BX2500-0F ~ 2F GV-BX2500-8F		GV-BX2500-3V	GV-BX5300-8F		GV-BX5300-6V
		Fixed Lens		Varifocal Lens	Fixed Lens		Varifocal Lens	Fixed Lens		Varifocal Lens
										
Camera										
Image Sensor		1/3" progressive scan super low lux CMOS			1/2.8" progressive scan super low lux CMOS			1/2.5" progressive scan CMOS		
Picture Elements		1280 (H) x 1024 (V)			1920 (H) x 1080 (V)			2560 (H) x 1920 (V)		
Minimum Illumination	Color	0.01 Lux			0.02 Lux			0.15 Lux		
	B/W	0.01 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		55 dB			52 dB			45 dB		
WDR Pro		N/A			N/A			N/A		
Operation										
Video Compression		H.264, MJPEG								
Video Streaming		Dual streams								
Frame Rate		30 fps at 1280 x 1024			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		Fixed		Varifocal Lens	Fixed		Varifocal Lens	Fixed		Varifocal Lens
Focal Length	BX1500-0F	4 mm	2.8 ~ 12 mm	BX2500-0F	4 mm	2.8 ~ 12 mm	2.8 mm	4.5 ~ 10 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	BX2500-0F	F/1.5	F/1.4	F/1.8	F/1.6		
	BX1500-1F	F/1.6		BX2500-1F	F/1.6					
	BX1500-2F			BX2500-2F						
	BX1500-8F	F/1.8		BX2500-8F	F/1.8					
Mount		CS Mount								
Image Format	BX1500-0F	1/3"	1/2.7"	BX2500-0F	1/3"	1/2.7"	1/2.5"	1/2"		
	BX1500-1F			BX2500-1F						
	BX1500-2F	1/2.5"		BX2500-2F	1/2.5"					
	BX1500-8F			BX2500-8F						
Horizontal FOV	BX1500-0F	63°	86° ~ 31°	BX2500-0F	72°	105° ~ 36°	112°	70° ~ 34°		
	BX1500-1F	36°		BX2500-1F	40°					
	BX1500-2F	23°		BX2500-2F	25°					
	BX1500-8F	90°		BX2500-8F	107°					
Operation	Focus	Manual w/lock								
	Zoom	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)			
	Iris	Fixed	DC drive	Fixed	DC drive	Fixed	Manual (w/lock)			
Mechanical										
Temperature Detector		Yes								
Connectors	Power	2-pin terminal block, PoE								
	Ethernet	Ethernet (10/100 Base-T), 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	Not functional				
	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 (IEEE802.3af Class 3)								
Max. Power Consumption		9.5 W			7.99 W			9.5 W		
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, RoHS compliant			CE, FCC, C-Tick, RoHS compliant		
Dimensions (L X W X H) (Without lens)		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")								
Weight		300 g (0.66 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 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.

5. 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.



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		45dB					
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					
Max. Power Consumption		6.5 W					
Regulatory		CE, FCC, C-Tick, RoHS compliant					
Dimensions (L X W X H) (Without lens)		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")					
Weight		120 g (0.26 lb)					

Note:

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



IR Arctic Box Camera Specifications (Part 1)

		GV-BX120D-E	GV-BX220D-E	GV-BX320D-E	GV-BX520D-E
					
Camera					
Image Sensor		1/3" progressive scan low lux 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		0.15 Lux	
	B/W	0.03 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		45 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 (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		2.8 ~ 12 mm	2.8 ~ 6 mm		4.5 ~ 10 mm
Maximum Aperture		F/1.4	F/1.3		F/1.6
Mount		CS Mount			
Image Format		1/3"			1/2"
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			Manual (w/lock)
IR LED Quantity		4 IR LEDs			
Max. IR Distance		15 m (50 ft)			
Mechanical					
Camera	Pan	0° ~ 330°			
Angle	Tilt	0° ~ 90°			
Adjustment	Rotate	No			
Temperature Detector		Yes			
Connectors	Power	PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (external microphone)			
		1 Out (Stereo phone jack, 3.5 mm / 0.14")			
	Auto Iris	DC drive			Not functional
	TV-Out	BNC connector (640 x 480 resolution)			
LED Indicator		1 LED: Status			
General					
Environment Temperature		-40 °C ~ 50 °C (-40 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		PoE (IEEE 802.3 at)			
Max. Power Consumption		24 W			
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions (L X W X H) (Without lens)		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			
Weight		3.2 Kg (7.1 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10 for metal casing			
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)			
Fan		Constantly on			

Note:

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



IR Arctic Box Camera Specifications (Part 2)

		GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX5300-E
					
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		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	0.08 Lux		0.15 Lux
	B/W	0.01 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	47 dB		45 dB
WDR Pro (with WDR Sensor)		N/A	Yes		N/A
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 (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 10.5 mm			4.5 ~ 10 mm
Maximum Aperture		F/1.4			F/1.6
Mount		CS Mount			
Image Format		1/2.7"			1/2"
Horizontal FOV		81° ~ 29°	73° ~ 27°	78° ~ 28°	70° ~ 34°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			Manual (w/lock)
IR LED Quantity		4 IR LEDs			
Max. IR Distance		15 m (50 ft)			
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 330°			
	Tilt	0° ~ 90°			
	Rotate	No			
Temperature Detector		Yes			
Connectors	Power	PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")			
	Auto Iris	DC drive			Not functional
	TV-Out	BNC connector (640 x 480 resolution)			
LED Indicator		2 LEDs: Power, Status			
General					
Environment	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)			
Temperature	Operation	-40 °C ~ 50 °C (-40°F ~ 122°F)			
Humidity		10% to 90% (no condensation)			
Power Source		PoE (IEEE 802.3 at)			
Max. Power Consumption		20 W	23 W		21.6 W
Regulatory		CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant		
Dimensions (L X W X H) (Without lens)		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			
Weight		3.2 Kg (7.1 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10 for metal casing			
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)			
Fan		Constantly on			

Note:

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



Bullet Camera Specifications (Part 1)

		GV-BL120D	GV-BL130D	GV-BL220D	GV-BL320D
					
Camera					
Image Sensor		1/3" progressive scan 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)
Minimum Illumination	Color	0.05 Lux		0.15 Lux	
	B/W	0.03 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		45 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"			
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			
IR LED Quantity		16 IR LEDs			
Max. IR Distance		15 m (50 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		-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		12W			
Regulatory		CE, FCC, C-Tick, 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		1.35 kg (2.98 lb)			
Ingress Protection		IP66			

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-BL1200	GV-BL1300	GV-BL1500	GV-BL2400	GV-BL2500	GV-BL3400
							
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)
Minimum Illumination	Color	0.05 Lux	0.15 Lux	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.03 Lux	0.10 Lux	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
IR ON		0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		50 dB	45 dB	55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A		N/A	Yes	N/A	Yes
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		86° ~ 32°	60° ~ 23°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Manual (w/lock)					
	Zoom	Manual (w/lock)					
	Iris	DC drive					
IR LED Quantity		16 IR LEDs					
Max. IR Distance		40 m (131 ft)		70 m (230 ft)	50 m (164 ft)		
Mechanical							
Camera Angle	Pan	0° ~ 360°					
	Tilt	90° ~ 180°					
Adjustment	Rotate	0° ~ 360°					
Temperature Detector		Yes					
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (RCA female for microphone); 1 Out (RCA female for speaker)					
	Digital I/O	I/O Wire					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
General							
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)					
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)					
Max. Power Consumption		6.72 W		7.68 W	7.2 W	8 W	7.2 W
Regulatory		CE, FCC, C-Tick, RoHS compliant		CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, 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		1.35 kg (2.98 lb)		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 3)

		GV-BL1210	GV-BL1510 (Coming)	GV-BL2410	GV-BL2510	GV-BL3410	GV-BL5310
							
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)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2560 (H) x 1920 (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 ~ 1/8000sec)					
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
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		86° ~ 32°	90° ~ 32°	82° ~ 30°	103° ~ 36°	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)	70 m (230 ft)	50 m (164 ft)		40 m (131 ft)	
Mechanical							
Camera Angle	Pan	0° ~ 360°					
	Tilt	90° ~ 180°					
Adjustment	Rotate	0° ~ 360°					
Temperature Detector		Yes					
	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 (IEEE802.3af)					
Max. Power Consumption		11.52 W	13.8 W	11.52 W	13.4 W	12.48 W	
Regulatory		CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, 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.



Ultra Bullet Camera Specifications (Part 1)

		GV-UBL 1211	GV-UBL1511	GV-UBL2411	GV-UBL2511	GV-UBL3411
						
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	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 ~ 1/8000sec)				
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
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
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				
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)				
Humidity		10% to 90% (no condensation)				
Power Source		5V DC / PoE				
Max. Power Consumption		6.94 W	9.65 W	6.94 W	9.95 W	6.94 W
Regulatory		CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant
Dimensions		148.75 x 65 x 69 mm (5.9" x 2.6" x 2.7")				
Weight		850 g (1.9 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.



Ultra Bullet Camera Specifications (Part 2)

		GV-UBL1301 Series		GV-UBL2401 Series		GV-UBL3401 Series	
							
Camera							
Image Sensor		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)	
Minimum Illumination	Color	0.15 Lux		0.08 Lux			
	B/W	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		45 dB		47 dB			
WDR Pro (with WDR sensor)		N/A		Yes			
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	
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					
Focal Length		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		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		GV-UBL2401-2F		GV-UBL3401-2F	
		GV-UBL1301-3F	F/1.6	GV-UBL2401-3F	F/1.6	GV-UBL3401-3F	F/1.6
Mount		M12					
Image Format		1/3"					
Horizontal FOV		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	Fixed					
	Zoom						
	Iris						
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	Start-up	-20 °C ~ 45 °C (-4 °F ~ 113 °F)		-20 °C ~ 45 °C (-4 °F ~ 113 °F)			
Temperature	Operation	-30 °C ~ 45 °C (-22 °F ~ 113 °F)					
Humidity		10% to 90% (no condensation)					
Power Source		5V DC / PoE					
Max. Power Consumption		5.52W					
Regulatory		CE, FCC, C-Tick, RoHS compliant					
Dimensions		124 x 65 x 69 mm (4.9" x 2.6" x 2.7")					
Weight		730 g (1.6 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.



Vandal Proof Dome Specifications (Part 1)

		(IK10+, Transparent Cover) - GV-VD120D - GV-VD121D (IK7, Transparent Cover) - GV-VD122D - GV-VD123D	(IK10+, Transparent Cover) GV-VD220D GV-VD221D (IK7, Transparent Cover) - GV-VD222D - GV-VD223D	(IK10+, Transparent Cover) - GV-VD320D - GV-VD321D (IK7, Transparent Cover) - GV-VD322D - GV-VD323D	GV-VD1500 (IK10+, Transparent Cover)	GV-VD2400 (IK10+, Transparent Cover)	GV-VD2500 (IK10+, Transparent Cover)	GV-VD3400 (IK10+, Transparent Cover)
								
Camera								
Image Sensor		1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.05 Lux	0.15 Lux		0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.03 Lux	0.10 Lux		0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux						
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)						
White Balance		Auto, Manual (2800K ~ 8500K)						
Gain Control		Automatic						
S/N Ratio		50 dB	45 dB		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A				Yes	N/A	Yes
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 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 (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 (IEEE802.3af)						
Max. Power Consumption		12 W						
Regulatory		CE, FCC, C-Tick, RoHS compliant			CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, 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
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	Pan	-90° ~ 90°			
Angle	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	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
Temperature	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 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	GV-VD5340
						
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
	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	45 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes	N/A
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 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				3.3 ~ 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°	100° ~ 39°
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 Adjustment	Pan	-90° ~ 90°				
	Tilt	0° ~ 85°				
	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)				
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-VD2540-E	GV-VD5340-E
			
Camera			
Image Sensor		1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.02 Lux	0.15 Lux
	B/W	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		52 dB	45 dB
WDR Pro (with WDR sensor)		N/A	
Operation			
Video Compression		H.264, MJPEG	
Video Streaming		Dual streams	
Frame Rate		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 ~ 9 mm	3.3 ~ 9 mm
Maximum Aperture		F/1.2	
Mount		Ø14 mm	
Image Format		1/2.7"	
Horizontal FOV		103° ~ 36°	100° ~ 39°
Focus		Auto Focus	
Zoom		3x Optical Zoom	
Iris		DC drive	
High Power LED		6 IR LEDs	
Max. IR Distance		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		-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		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-FD120D	GV-FD220D	GV-FD320D	GV-FD1200	GV-FD1500
						
Camera						
Image Sensor		1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS		1/3" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1280 (H) x 1024 (V)
Minimum Illumination	Color	0.05 Lux	0.15 Lux		0.05 Lux	0.01 Lux
	B/W	0.03 Lux	0.10 Lux		0.03 Lux	0.01 Lux
Shutter Speed		0 Lux				
White Balance		Auto, Manual (1/5 ~ 1/8000 sec)				
Gain Control		Auto, Manual (2800K ~ 8500K)				
S/N Ratio		Automatic				
S/N Ratio		50 dB	45 dB		50 dB	55 dB
WDR Pro (with WDR sensor)		N/A				
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 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 ± 5%			F/1.2	
Mount		Ø14 mm				
Image Format		1/3"			1/2.7"	
Horizontal FOV		86° ~ 32°	82° ~ 30°	86° ~ 31°	86° ~ 32°	90° ~ 32°
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	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 (IEEE802.3af)				
Max. Power Consumption		12W				
Regulatory		CE, FCC, C-Tick, RoHS compliant				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-FD2400	GV-FD2500	GV-FD3400	GV-FD5300
					
Camera					
Image Sensor		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		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2560 (H) x 1536 (V)
Minimum Illumination	Color	0.08 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	B/W	0.05 Lux	0.02 Lux	0.05 Lux	0.10 Lux
Shutter Speed		0 Lux			
White Balance		Auto, Manual (1/5 ~ 1/8000 sec)			
Gain Control		Auto, Manual (2800K ~ 8500K)			
		Automatic			
S/N Ratio		47 dB	52 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		Yes	N/A	Yes	N/A
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
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		82° ~ 30°	103° ~ 36°	86° ~ 31°	70° ~ 34°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			Manual (w/lock)
IR LED Quantity		10 IR LEDs			
Max. IR Distance		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 (IEEE802.3af)			
Max. Power Consumption		12W			
Regulatory		CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, 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 3)

		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	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	55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A		Yes	N/A	Yes
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				
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 (IEEE802.3af)				
Max. Power Consumption		12W				
Regulatory		CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, RoHS compliant	CE, FCC, RCM, RoHS compliant	CE, FCC, C-Tick, 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 Specifications

		GV-CB120	GV-CB220	GV-CBW120	GV-CBW220
					
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)
Minimum Illumination	Color	0.15 Lux			
	B/W	0.10 Lux			
	IR ON	N/A			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		45 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)			
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°
Operation	Focus	Fixed			
	Zoom				
	Iris				
Mechanical					
Connectors	Power	DC Jack			
	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			
Wireless LAN		No		IEEE 802.11 b/g/n	
General					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)		0 °C ~ 40 °C (32 °F ~ 104 °F)	
Humidity		10% to 90% (no condensation)			
Power Source		5V DC			
Max. Power Consumption		3.2 W			
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions		60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")			
Weight		80 g (0.18 lb)		70 g (0.15 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-CBW120 / CBW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
- Be sure to use the supplied power adapter to power up the camera. To use your own power cable, make sure you look up the power source value indicated at the camera's back panel.
- Memory card slot (local storage) is not supported in Argentina.



Advanced Cube Camera Specifications

		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)
Minimum Illumination	Color	0.15 Lux			
	B/W	0.10 Lux			
	IR ON	N/A			
	White Illumination LED	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			
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)			
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°
Operation	Focus	Fixed			
	Zoom				
	Iris				
Mechanical					
Connectors	Power	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		4 LEDs: Status x 3, LAN/WiFi			
PIR Sensor		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 and PoE		5V DC	
Max. Power Consumption		7 W		6 W	
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions (LxWxH)		65.8 x 99.8 x 39 mm (2.59" x 3.92" x 1.54")			
Weight		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 (Part 1)

		GV-MFD120	GV-MFD130	GV-MFD220	GV-MFD320	GV-MFD520
						
Camera						
Image Sensor		1/3" progressive scan 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)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.05 Lux	0.15 Lux			
	B/W	0.03 Lux	0.10 Lux			
	IR ON	N/A				
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			
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		4.05 mm	2.54 mm			
Maximum Aperture		F/1.5	F/2.8			
Mount		M12, Pitch 0.5 mm				
Image Format		1/3"	1/2.5"			
Horizontal FOV		67°	85°	101°	110°	138°
Operation	Focus	Fixed				
	Zoom					
	Iris					
Mechanical						
Camera Angle Adjustment	Pan	-45° ~ 45°				
	Tilt					
Temperature Detector		Yes				
Connectors	Power	2-pin terminal block, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	built-in microphone				
	USB	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				
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		12V DC / PoE (IEEE802.3af)				
Max. Power Consumption		4.5 W	5.5 W			6 W
Regulatory		CE, FCC, C-Tick, RoHS, UL compliant				
Dimensions	Camera Body	ø 106 x 55.6 mm (4.2" x 2.2")				
	Cable Length	1 m (3.28 ft)				
	Cable Diameter	ø 8 mm (0.31")				
	Max. Connector Diameter	ø 28.5 mm (1.12")				
Weight		275 g (0.61 lb)	280 g (0.62 lb)			

Note:

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Mind the following limitations and requirements for the mini USB port:
 - The USB hard drive must be of 2.5" or 3.5", version 2.0 or above
 - The USB hard drive's storage capacity must not exceed 2TB
 - USB flash drives and USB hubs are not supported
 - External power supply is required for the USB hard drive
 - To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.



Mini Fixed Dome Specifications (Part 2)

		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)				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			
IR ON		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			
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	MFD2401-1F	4 mm	MFD2501-1F	4 mm	MFD3401-1F	4 mm	MFD5301-1F	4 mm		
		MFD1501-2F	8 mm	MFD2401-2F	8 mm	MFD2501-2F	8 mm	MFD3401-2F	8 mm	MFD5301-2F	8 mm		
		MFD1501-3F	12 mm	MFD2401-3F	12 mm	MFD2501-3F	12 mm	MFD3401-3F	12 mm	MFD5301-3F	12 mm		
		MFD1501-4F	2.1 mm	MFD2401-4F	2.1 mm	MFD2501-4F	2.1 mm	MFD3401-4F	2.1 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	MFD2401-1F	F/1.5	MFD2501-1F	F/1.5	MFD3401-1F	F/1.5	MFD5301-1F	F/1.5		
		MFD1501-2F	F/1.6	MFD2401-2F	F/1.6	MFD2501-2F	F/1.6	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6		
		MFD1501-3F		MFD2501-3F		MFD3401-3F		MFD5301-3F					
		MFD1501-4F	F/1.8	MFD2401-4F	F/1.8	MFD2501-4F	F/1.8	MFD3401-4F	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°	MFD2401-1F	58°	MFD2501-1F	72°	MFD3401-1F	62°	MFD5301-1F	84°		
		MFD1501-2F	35°	MFD2401-2F	31°	MFD2501-2F	38°	MFD3401-2F	33°	MFD5301-2F	41°		
		MFD1501-3F	22°	MFD2401-3F	20°	MFD2501-3F	25°	MFD3401-3F	21°	MFD5301-3F	26°		
		MFD1501-4F	124°	MFD2401-4F	112°	MFD2501-4F	150°	MFD3401-4F	120°				
Operation	Focus	Fixed											
	Zoom												
	Iris												
Mechanical													
Camera Angle	Pan	-45° ~ 45°											
Adjustment	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 (IEEE802.3af)											
Max. Power Consumption		6 W											
Regulatory		CE, FCC, C-Tick, 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 (Part 1)

		GV-MDR120	GV-MDR220	GV-MDR320	GV-MDR520	
						
Camera						
Image Sensor		1/3" progressive scan low lux 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		0.15 Lux		
	B/W	0.03 Lux		0.10 Lux		
	IR ON	N/A				
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		
WDR Pro (with WDR sensor)		N/A				
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)				
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (electronic)				
Lens Type		Fixed Lens				
Focal Length		4 mm		2.54 mm		
Maximum Aperture		F/1.5		F/2.8		
Mount		M12, Pitch 0.5 mm				
Image Format		1/3"		1/2.5"		
Horizontal FOV		70°		101°	110°	138°
Operation	Focus	Fixed				
	Zoom					
	Iris					
Mechanical						
Camera Angle Adjustment	Pan	-45° ~ 45°				
	Tilt					
	Rotate					
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 W		3.4 W	3.6 W	
Regulatory		CE, FCC, C-Tick, EN50155, 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")				
	Max. Connector Diameter	ø 30 mm (1.18")				
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.



Mini Fixed Rugged Dome Specifications (Part 2)

		GV-MDR1500 Series		GV-MDR2400 Series		GV-MDR2500 Series		GV-MDR3400 Series		GV-MDR5300 Series	
											
Camera											
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.8" 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		0.08 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		47 dB		52 dB		47 dB		45 dB	
WDR Pro (with WDR Sensor)		N/A		Yes		N/A		Yes		N/A	
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		MDR1500-0F	2.1 mm	MDR2400-0F	2.1 mm	MDR2500-0F	2.1 mm	MDR3400-0F	2.1 mm	MDR5300-1F	2.8 mm
		MDR1500-1F	2.8 mm	MDR2400-1F	2.8 mm	MDR2500-1F	2.8 mm	MDR3400-1F	2.8 mm		
		MDR1500-2F	3.8 mm	MDR2400-2F	3.8 mm	MDR2500-2F	3.8 mm	MDR3400-2F	3.8 mm	MDR5300-2F	3.8 mm
		MDR1500-3F	8 mm	MDR2400-3F	8 mm	MDR2500-3F	8 mm	MDR3400-3F	8 mm	MDR5300-3F	8 mm
Maximum Aperture		MDR1500-4F	12 mm	MDR2400-4F	12 mm	MDR2500-4F	12 mm	MDR3400-4F	12 mm	MDR5300-4F	12 mm
		MDR1500-0F	F/1.8	MDR2400-0F	F/1.8	MDR2500-0F	F/1.8	MDR3400-0F	F/1.8	MDR5300-1F	F/2.0
		MDR1500-1F	F/2.0	MDR2400-1F	F/2.0	MDR2500-1F	F/2.0	MDR3400-1F	F/2.0		
		MDR1500-2F	F/1.8	MDR2400-2F	F/1.8	MDR2500-2F	F/1.8	MDR3400-2F	F/1.8	MDR5300-2F	F/1.8
		MDR1500-3F	F/1.6	MDR2400-3F	F/1.6	MDR2500-3F	F/1.6	MDR3400-3F	F/1.6	MDR5300-3F	F/1.6
	MDR1500-4F	MDR2400-4F		MDR2500-4F		MDR3400-4F		MDR5300-4F			
Mount		M12, Pitch 0.5 mm									
Image Format		1/3"									
Horizontal FOV		MDR1500-0F	126°	MDR2400-0F	113°	MDR2500-0F	135°	MDR3400-0F	121°	MDR5300-1F	104°
		MDR1500-1F	88°	MDR2400-1F	80°	MDR2500-1F	98°	MDR3400-1F	85°		
		MDR1500-2F	64°	MDR2400-2F	60°	MDR2500-2F	72°	MDR3400-2F	63°	MDR5300-2F	76°
		MDR1500-3F	34°	MDR2400-3F	30°	MDR2500-3F	38°	MDR3400-3F	32°	MDR5300-3F	41°
		MDR1500-4F	22°	MDR2400-4F	20°	MDR2500-4F	25°	MDR3400-4F	21°	MDR5300-4F	27°
Operation	Focus	Fixed									
	Zoom										
	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		3.47 W		4.28 W		4.23 W		4.28 W		3.81 W	
Regulatory		CE, FCC, RCM, EN50155, 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

		GV-EBX1100		GV-EFD1100		GV-EBL1100	
							
Camera							
Image Sensor		1/3" progressive scan low lux CMOS					
Picture Elements		1280 (H) x 1024 (V)					
Minimum Illumination	Color	0.05 Lux					
	B/W	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		50 dB					
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024					
Audio Compression		G.711, AAC (optional)				N/A	
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Fixed					
Focal Length		GV-EBX1100-0F (Coming)	2.8 mm	GV-EFD1100-0F (Coming)	2.8 mm	GV-EBL1100-1F	6 mm
		GV-EBX1100-2F	3.8 mm	GV-EFD1100-2F	3.8 mm	GV-EBL1100-2F	3.8 mm
Maximum Aperture		GV-EBX1100-0F (Coming)	F/2.0	GV-EFD1100-0F (Coming)	F/2.0	GV-EBL1100-1F	F/1.8
		GV-EBX1100-2F	F/1.8	GV-EFD1100-2F	F/1.8	GV-EBL1100-2F	
Mount		M12, Pitch 0.5 mm					
Image Format		1/2.7"					
Horizontal FOV		GV-EBX1100-0F (Coming)	93°	GV-EFD1100-0F (Coming)	93°	GV-EBL1100-1F	44°
		GV-EBX1100-2F	64°	GV-EFD1100-2F	64°	GV-EBL1100-2F	64°
Operation	Focus	Fixed					
	Zoom						
	Iris						
IR LED Quantity		8 IR LEDs		12 IR LEDs		24 IR LEDs	
Max. IR Distance		15 m (50 ft)				30 m (98.4 ft)	
Mechanical							
Camera Angle Adjustment	Pan	N/A		-45° ~ 45°		N/A	
	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		2 LEDs: Power, Status		4 LEDs: Link, ACT, 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)		0°C ~ 45°C (32°F ~113°F)		Start-up	-20°C ~ 50°C (-4°F ~122°F)
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / PoE					
Max. Power Consumption		5.36 W		5.8 W		7.8 W	
Regulatory		CE, FCC, C-Tick, RCM, RoHS compliant					
Dimensions (L X W X H)		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")		ø 100 x 60 mm (3.9" x 2.4")		115 x 76 x 73 mm (4.5" x 3.0" x 2.9")	
Weight		120 g (0.26 lb)		148 g (0.33 lb)		547 g (1.20 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	GV-PTZ010D-N	GV-PTZ010D-P
						
Camera						
Image Sensor		1/2.5" progressive scan CMOS			1/4" CCD image sensor	
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	704 (H) x 480 (V)	704 (H) x 576 (V)
Minimum Illumination	Color	0.15 Lux			2.5 Lux (50 IRE, F/1.8)	
	B/W	0.10 Lux			0.07 Lux (50 IRE, F/1.8)	
	IR ON	0 Lux			N/A	
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)			Auto, Manual (1/60 ~ 1/120,000 sec) Auto, Manual (1/50 ~ 1/120,000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)			Auto, Manual (3200K ~ 9600K)	
Gain Control		Automatic				
BLC		Yes			Yes	
Operation						
Video Compression		H.264, MJPEG			H.264, MPEG4, 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 704 x 480	25 fps at 704 x 576
Audio Compression		G.711, AAC (optional)				
Sensor Input		1 Input (Dry Contact)				
Alarm Output		1 Digital output (200mA 5V DC)				
Optical Lens						
Megapixel		Yes			No	
Day/Night		Yes (with removable IR-cut filter)			Yes (electronic)	
Focal Length		4.0 mm			4.2 ~ 42 mm	
Maximum Aperture		F/1.5			F/1.8 ~ 2.9	
Mount		M12, Pitch 0.5 mm			No	
Image Format		1/2.5"			1/4"	
Horizontal FOV		49°	58°	62°	N/A	
Operation	Focus	Manual (w/lock)			Auto Focus	
	Zoom	Fixed			100X (10X Optical, 10X Digital)	
	Iris	Fixed			Fixed	
IR LED Quantity		10 IR LEDs			N/A	
Max. IR Distance		15 m (50 ft)			N/A	
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 (IEEE802.3af)				
Max. Power Consumption		12.5 W				
Regulatory		CE, FCC, C-Tick, 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)			490 g (1.08 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-FE420 (Indoor)	GV-FE421 (Indoor)	GV-FE520 (Indoor)	GV-FE521 (Indoor)	GV-FER521 (Outdoor)
							
Camera							
Image Sensor			1/2.5" progressive scan CMOS				
Picture Elements			2048 (H) x 1944 (V)		2560 (H) x 1920 (V)		
Minimum Illumination	Color		0.15 Lux				
	B/W		0.10 Lux				
	IR ON		N/A				
Shutter Speed			Auto, Manual (1/5 ~ 1/8000sec)				
White Balance			Auto, Manual (2800K ~ 8500K)				
Gain Control			Automatic				
S/N Ratio			45 dB				
Operation							
Video Compression			H.264, MJPEG				
Video Streaming			Single Stream from H.264 or MJPEG				
Frame Rate			15 fps at 2048 x 1944		10 fps at 2560 x 1920 15 fps at 2048 x 1944		
Audio Compression			G.711, AAC (optional)				
Sensor Input			1 Input (Dry Contact)				No
Alarm Output			1 Digital output (200mA 5V DC)				No
Optical Lens							
Megapixel			Yes				
Day/Night			Yes (electronic)				
Focal Length			1.05 mm		1.6 mm		
Maximum Aperture			F/2.8		F/2		
Mount			M12, Pitch 0.5 mm / 0.02"				
Image Format			1/2"		4.7 mm (Image Circle)		
Horizontal FOV			180°				
Operation	Focus		Fixed				
	Zoom						
	Iris						
Mechanical							
Temperature Detector			Yes				
Connectors	Power		Terminal block (2 pin), PoE				
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector				
	Audio		built-in microphone and speaker				
	Digital I/O		I/O Wire				No
	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			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 (IEEE802.3af)				PoE (IEEE802.3af)
Max. Power Consumption			5 W				
Regulatory			CE, FCC, C-Tick, RoHS compliant				
Dimensions	Camera Body	Hard-Ceiling Mount	ø 160 x 47.66 mm (6.30" x 1.88")		ø 160 x 44.9 mm (6.30" x 1.77")		ø 160 x 46.4 mm (6.30" x 1.83")
		In-Ceiling Mount	ø 164 x 47.66 mm (6.46" x 1.88")		ø 164 x 44.9 mm (6.46" x 1.77")		ø 164 x 46.4 mm (6.46" x 1.83")
	Cable Length		1 m (3.28 ft)				1 m (3.28 ft)
	Cable Diameter		ø 8 mm (0.31")				ø 6.2 mm (0.24")
	Max. Connector Diameter		ø 28.5 (1.12")				ø 30 (1.18")
	Weight			650 g (1.43 lb)			
Ingress Protection			No				IP66
Vandal Resistance			No				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-FE2301 (Indoor)	GV-FE4301 (Indoor)
				
Camera				
Image Sensor			1/2.5" progressive scan CMOS	
Picture Elements			1440 (H) x 1376 (V)	2048 (H) x 1944 (V)
Minimum Illumination	Color		0.15 Lux	
	B/W		0.10 Lux	
	IR ON		N/A	
Shutter Speed			Auto, Manual (1/5 ~ 1/8000sec)	
White Balance			Auto, Manual (2800K ~ 8500K)	
Gain Control			Automatic	
S/N Ratio			45 dB	
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Single Stream from H.264 or MJPEG	
Frame Rate			15 fps at 1440 x 1376	15 fps at 2048 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 (electronic)	
Focal Length			1.05 mm	
Maximum Aperture			F/2.8	
Mount			M12, Pitch 0.5 mm / 0.02 in	
Image Format			1/2"	
Horizontal FOV			180°	
Operation	Focus		Fixed	
	Zoom			
	Iris			
Mechanical				
Temperature Detector			Yes	
Connectors	Power		Terminal block (2 pin), PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector	
	Audio		built-in microphone and 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			0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE802.3af)	
Max. Power Consumption			5 W	
Regulatory			CE, FCC, C-Tick, RoHS compliant	
Dimensions	Camera Body	Hard-Ceiling Mount	ø 160 x 47.66 mm (6.30'' x 1.88'')	
		In-Ceiling Mount	ø 164 x 47.66 mm (6.46'' x 1.88'')	
	Cable Length		1 m (3.28 ft)	
	Cable Diameter		ø 8 mm (0.31'')	
	Max. Connector Diameter		ø 28.5 (1.12'')	
Weight			650 g (1.43 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 3)

			GV-FE2302 (Indoor)	GV-FE3402 (Indoor)	GV-FE5302 (Indoor)			
			Without IR Ring					
								
Camera								
Image Sensor			1/2.5" progressive scan CMOS		1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS	
Picture Elements			1440 (H) x 1376 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)	
Minimum Illumination	Color		0.15 Lux		0.08 Lux		0.15 Lux	
	B/W		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			45 dB		47 dB		45 dB	
WDR Pro (with WDR Sensor)			N/A		Yes		N/A	
Operation								
Video Compression			H.264, MJPEG					
Video Streaming			Single Stream from H.264 or MJPEG					
Frame Rate			15 fps at 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				1.05 mm	
Maximum Aperture			F/2.0				F/2.8	
Mount			M12, Pitch 0.5 mm					
Image Format			4.1 mm (image circle)				2.5"	
Horizontal FOV			180°					
Operation	Focus		Fixed					
	Iris							
	Zoom							
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")					
	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					
General								
Environment Temperature			0 °C ~ 50 °C (32 °F ~ 122 °F)					
Humidity			10% to 90% (no condensation)					
Power Source			12V DC / 24V AC / PoE (IEEE802.3af)					
Max. Power Consumption			8.6 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)					
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 4)

			GV-FE3403 (Indoor)	GV-FE5303 (Indoor)
			With IR Ring	
				
Camera				
Image Sensor			1/3.2" progressive scan CMOS	
Picture Elements			2048 (H) x 1536 (V)	
Minimum Illumination	Color		0.08 Lux	
	B/W		0.05 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	
WDR Pro (with WDR Sensor)			Yes	
Video Compression			H.264, MJPEG	
Video Streaming			Single Stream 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
Audio Compression			G.711, AAC (optional)	
Sensor Input			N/A	
Alarm Output			N/A	
Megapixel			Yes	
Day/Night			Yes (with removable IR-cut filter)	
Focal Length			1.19 mm	1.05 mm
Maximum Aperture			F/2.0	F/2.8
Mount			M12, Pitch 0.5 mm	
Image Format			4.1 mm (image circle)	2.5"
Horizontal FOV			180°	
Operation	Focus		Fixed	
	Iris			
	Zoom			
IR LED Quantity			6 IR LEDs	
Max. IR Distance			10 m (32.81 ft.)	
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")	
	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	
Environment Temperature			0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source	w/o PoE Converter		Camera: 12V DC / 24V AC / PoE (IEEE802.3af)	
	w/ PoE Converter		IR LED ring: 12V DC PoE (IEEE802.3 at)	
			22 W	
Max. Power Consumption	w/o PoE Converter		30 W	
Regulatory			CE, FCC, RCM, 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)	
	w/ PoE Converter		1.045 kg (2.3 lb)	
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 5)

			GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
			Without IR Ring	
				
Camera				
Image Sensor			1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements			2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color		0.08 Lux	0.15 Lux
	B/W		0.05 Lux	0.10 Lux
	IR ON		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
WDR Pro (with WDR Sensor)			Yes	N/A
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Single Stream 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
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	1.05 mm
Maximum Aperture			F/2.0	F/2.8
Mount			M12, Pitch 0.5 mm	
Image Format			4.1 mm (image circle)	2.5"
Horizontal FOV			180°	
Operation	Focus		Fixed	
	Iris			
	Zoom			
IR LED Quantity			N/A	
Max. IR Distance			N/A	
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)	
	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 (IEEE802.3af)	
Max. Power Consumption			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")	
	Cable Length		1 m (3.28 ft.)	
	Cable Diameter		Ø 6.2 mm (0.24")	
	Max. Connector Diameter		Ø 30 mm (1.18")	
Weight			500 g (1.1 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.



Fisheye Camera Specifications (Part 6)

			GV-FER3403 (Outdoor)	GV-FER5303 (Outdoor)
			With IR Ring	
				
Camera				
Image Sensor			1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements			2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color		0.08 Lux	0.15 Lux
	B/W		0.05 Lux	0.10 Lux
	IR ON		0 Lux	
Shutter Speed			Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance			Auto, Manual (2800K ~ 8500K)	
Gain Control			Automatic	
S/N Ratio			47 dB	45 dB
WDR Pro (with WDR Sensor)			Yes	N/A
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Single Stream 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
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	1.05 mm
Maximum Aperture			F/2.0	F/2.8
Mount			M12, Pitch 0.5 mm	
Image Format			4.1 mm (image circle)	2.5"
Horizontal FOV			180°	
Operation	Focus		Fixed	
	Iris			
	Zoom			
IR LED Quantity			6 IR LEDs	
Max. IR Distance			10 m (32.81 ft.)	
Mechanical				
Temperature Detector			Yes	
Connectors	Power		Terminal block (2 pin), PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector	
	Audio		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	
General				
Environment Temperature			-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity			10% to 90% (no condensation)	
Power Source			Camera: 12V DC / 24V AC / PoE (IEEE802.3af) IR LED ring: 12V DC	
Max. Power Consumption			22 W	
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions	Camera Body	Hard-Ceiling Mount (with IR LED Ring)	Ø 175 x 48.36 mm (6.89" x 1.93")	
	Cable Length		1 m (3.28 ft.)	
	Cable Diameter		Ø 6.2 mm (0.24")	
	Max. Connector Diameter		Ø 30 mm (1.18")	
Weight			960 g (2.12 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.



IP Speed Dome Camera Specifications (Part 1)

Camera		GV-SD010 (Indoor)			GV-SD010-S (Outdoor)		
		18X	23X	36X	18X	23X	36X
							
Image Sensor		1/4” Exview CCD	1/4” Progressive CCD	1/4” Exview CCD	1/4” Exview CCD	1/4” Progressive CCD	1/4” Exview CCD
Picture Elements	NTSC	704 (H) x 480 (V)					
	PAL	704 (H) x 576 (V)					
Minimum Illumination	Color	0.07 lux	0.1 lux	0.1 lux	0.07 lux	0.1 lux	0.1 lux
	B/W	0.01 lux			0.01 lux		
Shutter Speed	IR ON	0 lux					
	NTSC	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec	1 ~ 1/10000 sec	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec	1 ~ 1/10000 sec
PAL	1/1.5 ~ 1/30000 sec		1/1.5 ~ 1/30000 sec				
White Balance		Auto / Manual					
Gain Control		Auto / Manual					
S/N Ratio		> 50 dB (AGC Off)					
BLC		On / Off					
Optical Zoom		18X	23X	36X	18X	23X	36X
Digital Zoom		12X					
Video Compression		H.264, MPEG4, MJPEG					
Video Streaming		Stream 1 from H.264, MPEG4 or MJPEG					
		Stream 2 from H.264, MPEG4 or MJPEG					
Frame Rate		30/25 fps (60/50 Hz) at 704 x 480 / 704 x 576					
Audio Compression		G.711, AAC (optional)					
Sensor Input		4					
Alarm Output		1					
Pan Travel		360° endless					
Tilt Travel		-10° ~ 190°					
Manual Speed		0.5° ~ 90°/s					
Presets		256					
Preset Accuracy		0.225°					
Preset Speed		5° ~ 400°/s					
Sequence		8					
Auto Pan		4					
Cruise		4					
Privacy Mask		24	8	24	24	8	24
Wide Dynamic Range		On / Off					
Optical Lens							
Day/Night		Yes (with removable IR Cut Filter)					
Focal Length		4.1 ~ 73.8 mm					
Maximum Aperture		F1.4 to F3.0	F1.6 to F3.7	F1.6 to F4.5	F1.4 to F3.0	F1.6 to F3.7	F1.6 to F4.5
Operation (Focus/Zoom/Iris)		Auto/Manual					
Mechanical							
Connectors	Power	3-pin terminal block					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 in 1 out (stereo jack, ø 35 mm)					
	Digital I/O	4 in 1 out (I/O Wires)					
	TV-Out	BNC Connector (D1 Resolution)					
General							
Environment Temperature		0 °C ~ 40 °C (32 °F ~ 104 °F)		-45 °C ~ 50 °C (-49 °F ~ -122 °F)			
Humidity		20% to 90% (no condensation)					
Power Source		24V AC ± 10%, 1.5A		24V AC ± 10%, 3A			
Max. Power Consumption		20 W		65 W (with Heater)			
Regulatory		CE, FCC, RoHS compliant		CE, FCC, RoHS compliant			
Dimensions	Camera Body	ø 131 x 226 mm (5.2” x 8.9”)		Without sunshield: ø 172 x 302.5 mm (6.7” x 11.9”)			
				With sunshield: ø 190 x 302.5 mm (97.5” x 11.9”)			
Weight		1.6 kg (3.5 lb)		With sunshield: 2.6 kg (5.7 lb)			
Ingress Protection		No		IP66			

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 2)

Camera		GV-SD200 (Indoor)		GV-SD200-S (Outdoor)		GV-SD220 (Indoor)		GV-SD220-S (Outdoor)	
		18X		18X		20X / 30X		20X / 30X	
									
Image Sensor		1/2.8 Progressive Scan CMOS							
Picture Elements		1920 (H) x 1080 (V)				1920 (H) x 1080 (V)			
Minimum	Color	0.05 lux at F/1.6				0.05 lux at F/1.6			
Illumination	B/W	0.01 lux at F/1.6				0.005 lux at F/1.6			
Shutter Speed		1/30 ~ 1/10000 sec				1/1 ~ 1/10000 sec			
White Balance		Auto / Indoor / Outdoor / ATW / Manual				Auto / Manual			
Gain Control						Auto / Manual			
AGC Control						Auto / Manual			
S/N Ratio		-				> 50 dB (AGC Off)			
BLC						On / Off			
Optical Zoom		18X				20x / 30x			
Digital Zoom		10X				12x			
WDR Pro (with WDR sensor)						Yes			
Operation									
Video Compression						H.264, MJPEG			
Video Streaming						Dual Streams			
Frame Rate		30/25 fps (60/50 Hz) at 1920 x 1080				30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720			
Audio Compression		G.711				G.711, AAC (optional)			
Sensor Input						4			
Alarm Output		2				1			
Pan Travel						360° endless			
Tilt Travel		-10° ~ 190°				0° ~ 180°			
Proportional Pan & Tilt		On / Off (pan and tilt speed is proportional to the zoom ratio)							
Auto Flip		Digital / Mechanical / Off							
Movement Speed		0.5° ~ 90°/s (except Preset)				0.5° ~ 460°/s			
Presets		256				255			
Preset Accuracy		0.225°				0.2°			
Preset Speed		5° ~ 400°/s				0.5° ~ 460°/s			
Sequence						8			
Auto Pan		4				8			
Cruise		8				4			
Tour		16				8			
Privacy Mask		16				8			
Wide Dynamic Range						On / Off			
Calibration		Auto / Manual							
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR Cut Filter)							
Focal Length		4.7 ~ 84.6 mm				4.7 ~ 94.0 mm			
Maximum Aperture		F1.6							
Operation	Focus	Auto/Manual							
	Iris								
	Zoom								
Mechanical									
Temperature Detector		No				Yes			
Connectors	Power	3-pin terminal block, Hight power PoE(AT)		3-pin terminal block		DC Jack			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector							
	Audio	1 in 1 out (terminal block)				1 in 1 out (RCA female)			
	Digital I/O	4 in 2 out (12-pin terminal block)				4 in 1 out (I/O wires)			
	Local Storage	Micro SD card slot (SDHC for Class 6 card or above)				Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
General									
Environment Temperature		0 °C ~ 40 °C (32 °F ~ 104 °F)		-40 °C ~ 50 °C (-40 °F ~ -122 °F)		-10 °C ~ 50 °C (14 °F ~ -122 °F)		-40 °C ~ 50 °C (-40 °F ~ -122 °F)	
Humidity		10% to 90% (no condensation)				20% to 90% (no condensation)			
Power Source		24V AC ± 10%, 1.5A, PoE		24V AC ± 10%, 3A		24V AC ± 10%, 3A; 24V DC ± 10%, 3.75A			
Max. Power Consumption		20 W		65 W (with Heater)		30 W		60 W (with 30W heater)	
Regulatory		CE, FCC, RoHS							
Dimensions	Camera Body	ø 171.7 x 228.71 mm (6.76" x 9")		With sunshield: ø 191.97 x 282.11 mm (7.55" x 11.1")		ø 172 x 221.9 mm (7" x 8.8")		ø 220 x 297.75 mm (8.7" x 11.7")	
Weight		1.62 kg (3.57 lb)		With sunshield: 2.32 kg (5.11 lb)		3.2 Kg (7.1 lb)		4.7 Kg (10.4 lb)	
Ingress Protection		-		IP66		-		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-SD200/200-S only supports dual-streaming when stream 1 is set to H.264.