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Box Camera Specifications (Part 1)








	GV-BX120D Varifocal Lens	GV-BX140DW Varifocal Lens	GV-BX130D Series Fixed Lens	GV-BX130D Series Varifocal Lens	GV-BX220D Series Varifocal Lens	GV-BX320D Series Varifocal Lens	GV-BX520D 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				
Dynamic Range	Up to 72 dB	Up to 100 dB	Up to 72 dB				
Operation							
Video Compression	H.264, MJPEG						
Video Streaming	Dual streams						
Frame Rate	30 fps at 1280 x 1024	30 fps at 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	
					GV-BX220D-2 F/1.3	GV-BX320D-0 F/1.2	
					GV-BX220D-3 F/1.4	GV-BX320D-1 F/1.3	
Maximum Aperture	F/1.4		F/1.5	F/1.4	F/1.3	F/1.2	F/1.6
Mount	CS Mount						
Image Format	1/3"						1/2"
Operation	Focus	Manual (w/lock)					
	Zoom	Manual (w/lock)		Fixed	Manual (w/lock)		
	Iris	DC drive	Fixed	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	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, RCM, 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-BX1300 Series		GV-BX2400 Series				GV-BX3400 Series		GV-BX3400-3V P-Iris (Coming)			
	GV-BX1300-0F ~2F	GV-BX1300-3V	GV-BX2400-1F ~2F	GV-BX2400-3V~4V		GV-BX3400-1F ~2F GV-BX3400-8F	GV-BX3400-4V~5V		GV-BX3400-3V P-Iris (Coming)			
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens		Fixed Lens	Varifocal Lens		Varifocal Lens			
												
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 ~ 1/8000 sec)											
White Balance	Auto, Manual (2800K ~ 8500K)											
Gain Control	Automatic											
S/N Ratio	45 dB					47 dB						
WDR Pro (with WDR Sensor)	N/A					Yes						
Dynamic Range	Up to 72 dB					Up to 100 dB						
Operation												
Video Compression	H.264, MJPEG											
Video Streaming	Dual streams											
Frame Rate	30 fps at 1280 x 1024			30 fps at 1920 x 1080			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	
Focal Length	BX1300-0F	4 mm	2.8 ~ 12 mm	BX2400-1F	8 mm	BX2400-3V	2.8 ~ 12 mm	BX3400-1F	8 mm	BX3400-4V	3 ~ 10.5 mm	BX3400-3V 3 ~ 10.5 mm
	BX1300-1F	8 mm		BX2400-2F	12 mm	BX2400-4V	3 ~ 10.5 mm	BX3400-2F	12 mm	BX3400-5V	2.8 ~ 6 mm	
	BX1300-2F	12 mm				BX2400-3V		BX3400-8F	2.8 mm			
Maximum Aperture	BX1300-0F	F/1.5	F/1.4	BX2400-1F	F/1.6	BX2400-4V	F/1.4	BX3400-1F	F/1.6	BX3400-4V	F/1.4	F/1.4
	BX1300-1F	F/1.6		BX2400-2F	F/1.6			BX3400-2F	F/1.6	BX3400-5V	F/1.3	
	BX1300-2F	F/1.6						BX3400-8F	F/1.8			
Mount	CS Mount											
Image Format	BX1300-0F	1/3"	1/2.7"	BX2400-1F	1/2.5"	BX2400-3V	1/2.7"	BX3400-1F	1/2.5"	BX3400-4V	1/2.7"	1/2.7"
	BX1300-1F	1/2.5"		BX2400-2F	1/2.5"	BX2400-4V	1/2.7"	BX3400-2F	1/2.5"	BX3400-5V	1/3"	
	BX1300-2F	1/2.5"						BX3400-8F	1/2.5"			
Horizontal FOV	BX1300-0F	49°	64° ~ 23°	BX2400-1F	32°	BX2400-3V	77° ~ 28°	BX3400-1F	35°	BX3400-4V	78° ~ 28°	BX3400-3V 78° ~ 28°
	BX1300-1F	26°		BX2400-2F	21°	BX2400-4V	73° ~ 27°	BX3400-2F	23°	BX3400-5V	94° ~ 45°	
	BX1300-2F	17°						BX3400-8F	88°			
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	DC drive		P-Iris		
Mechanical												
Temperature Detector	Yes											
Connectors	Power	2-pin terminal block, PoE										
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector										
	Audio	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")										
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"										
	Auto Iris	Not functional	Yes	Not functional	Yes		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						9.5 W		7.12 W			
Regulatory	CE, FCC, RCM, RoHS compliant											
Dimensions (L X W X H)	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") without lens											
Weight	300 g (0.66 lb)											

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

- 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-BX1500-1F ~ 2F GV-BX1500-8F		GV-BX1500-3V	GV-BX1500-3V P-Iris (Coming)		GV-BX2500-1F ~ 2F GV-BX2500-8F		GV-BX2500-3V	GV-BX2500-3V P-Iris (Coming)		GV-BX5300-8F	GV-BX5300-6V	GV-BX5300-6V P-Iris (Coming)						
	Fixed Lens		Varifocal Lens	Varifocal Lens		Fixed Lens		Varifocal Lens	Varifocal Lens		Fixed Lens	Varifocal Lens	Varifocal Lens						
																			
Camera																			
Image Sensor	1/3" progressive scan super low lux CMOS					1/2.8" progressive scan super low lux CMOS			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		0.01 Lux		0.02 Lux		0.02 Lux		0.15 Lux								
	B/W		0.01 Lux		0.01 Lux		0.02 Lux		0.02 Lux		0.10 Lux								
	IR ON		0 Lux		0 Lux		0 Lux		0 Lux		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 (with WDR Sensor)	N/A					N/A			N/A										
Dynamic Range	Up to 72 dB																		
Operation																			
Video Compression	H.264, MJPEG																		
Video Streaming	Dual streams																		
Frame Rate	30 fps at 1280 x 1024					30 fps at 1920 x 1080			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	BX1500-1F	8 mm	2.8 ~ 12 mm	BX1500-3V	3 ~ 10.5 mm	BX2500-1F	8 mm	2.8 ~ 12 mm	BX2500-3V	3 ~ 10.5 mm	2.8 mm	4.5 ~ 10 mm	3.3 ~ 10.5 mm						
	BX1500-2F	12 mm		BX2500-2F	12 mm	BX2500-8F	2.8 mm												
	BX1500-8F	2.8 mm		BX2500-8F	2.8 mm														
Maximum Aperture	BX1500-1F	F/1.6	F/1.4	F/1.4	F/1.4	BX2500-1F	F/1.6	F/1.4	F/1.4	F/1.4	F/1.8	F/1.6	F/1.4						
	BX1500-2F	F/1.6				BX2500-2F	F/1.6												
	BX1500-8F	F/1.8				BX2500-8F	F/1.8												
Mount	CS Mount																		
Image Format	BX1500-1F		1/2.5"	1/2.7"	1/2.7"	BX2500-1F		1/2.5"	1/2.7"	1/2.7"	1/2.5"	1/2"	1/2.5"						
	BX1500-2F					BX2500-2F													
	BX1500-8F					BX2500-8F													
Horizontal FOV	BX1500-1F	36°	86° ~ 31°	BX1500-3V	81° ~ 29°	BX2500-1F	40°	105° ~ 36°	BX2500-3V	96° ~ 34°	112°	70° ~ 34°	84° ~ 35°						
	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)							
	Iris		Fixed			DC drive			P-Iris			Fixed			Manual (w/lock)			P-Iris	
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			6.27 W			7.99 W			6.42 W			9.5 W		6.77 W				
Regulatory	CE, FCC, RCM, RoHS compliant																		
Dimensions (Without lens)	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")																		
Weight	300 g (0.66 lb)																		
Note:	<ol style="list-style-type: none"> Product design and specifications are subject to change without notice. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480. Memory card slot (local storage) is not supported in Argentina. Mind the following limitations and requirements for the mini USB port: <ul style="list-style-type: none"> The USB hard drive must be of 2.5" or 3.5", version 2.0 or above The USB hard drive's storage capacity must not exceed 2TB USB flash drives and USB hubs are not supported External power supply is required for the USB hard drive To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on. 																		



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						
Dynamic Range	Up to 72 dB						
Operation							
Video Compression	H.264, MJPEG						
Video Streaming	Dual streams						
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536		
Audio Compression	G.711, AAC (optional)						
Optical Lens							
Megapixel	Yes						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Fixed						
Focal Length	GV-UBX1301-0F	2.8 mm	GV-UBX2301-0F	2.8 mm	GV-UBX3301-0F	2.8 mm	
	GV-UBX1301-1F	4 mm	GV-UBX2301-1F	4 mm	GV-UBX3301-1F	4 mm	
	GV-UBX1301-2F	8 mm	GV-UBX2301-2F	8 mm	GV-UBX3301-2F	8 mm	
Maximum Aperture	GV-UBX1301-0F	F/2.0	GV-UBX2301-0F	F/2.0	GV-UBX3301-0F	F/2.0	
	GV-UBX1301-1F	F/1.6	GV-UBX2301-1F	F/1.6	GV-UBX3301-1F	F/1.6	
	GV-UBX1301-2F		GV-UBX2301-2F		GV-UBX3301-2F		
Mount	M12, Pitch 0.5 mm						
Image Format	1/3"						
Horizontal FOV	GV-UBX1301-0F	69°	GV-UBX2301-0F	79°	GV-UBX3301-0F	80°	
	GV-UBX1301-1F	49°	GV-UBX2301-1F	58°	GV-UBX3301-1F	62°	
	GV-UBX1301-2F	25°	GV-UBX2301-2F	31°	GV-UBX3301-2F	33°	
Operation	Focus	Fixed					
	Zoom						
	Iris						
IR LED Quantity	4						
Max. IR Distance	10 m (32.81 ft)						
Mechanical							
Temperature Detector	Yes						
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator	2 LEDs: Power, Status						
General							
Environment Temperature	0°C ~ 40°C (32°F ~ 104°F)						
Humidity	10% to 90% (no condensation)						
Power Source	5V DC / PoE						
Max. Power Consumption	6.5 W						
Regulatory	CE, FCC, RCM, RoHS compliant						
Dimensions (L X W X H) (Without lens)	95 x 45 x 40 mm (3.7" x 1.8" x 1.6")						
Weight	120 g (0.26 lb)						

Note:

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



IR Arctic Box Camera Specifications (Part 1)





		GV-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)	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	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		
Dynamic Range		Up to 72 dB			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	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, RCM, RoHS compliant			
Dimensions (L X W X H) (Without lens)		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			
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-BX5310-E
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.01 Lux		0.08 Lux	
	B/W	0.01 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		45 dB
WDR Pro (with WDR Sensor)		N/A	Yes		N/A
Dynamic Range		Up to 72 dB	Up to 100 dB		Up to 72 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	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			
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 3)





		GV-BX2510-E (Coming)	GV-BX5310-E (Coming)
			
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	N/A
Dynamic Range		Up to 72 dB	Up to 72 dB
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 digital output (200mA 5V DC)	
Optical Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Motorized Varifocal Lens	
Focal Length		3.7 ~ 9 mm	4.5 ~ 9 mm
Maximum Aperture		F/1.2	F/1.2
Mount		Ø14 mm	
Image Format		1/2.7"	1/2.7"
Horizontal FOV		85° ~ 36°	70° ~ 39°
Operation	Focus	Auto focus	
	Zoom	2.4X optical zoom	2X optical zoom
	Iris	P-Iris	
IR LED Quantity		4 IR LEDs	
Max. IR Distance		70 m (230 ft)	50 m (164 ft)
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 330°	
	Tilt	0° ~ 90°	
	Rotate	No	
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")	
	Digital I/O	I/O wires	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
LED Indicator		BNC connector (640 x 480 resolution)	
General		2 LEDs: Power, Status	
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)	
	Operation	-40 °C ~ 50 °C (-40°F ~ 122°F)	
Humidity		10% to 90% (no condensation)	
Power Source		AC 24V, DC 48V, PoE++ (50W)	
Max. Power Consumption		50 W	
Regulatory		CE, FCC, RCM, RoHS compliant	
Dimensions (L X W X H)	Camera Body	406 x 145 x 109.5 mm (16" x 5.7" x 4.3")	
	Cable Length	1 m (39.4")	
Weight		3.32 Kg (7.32 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	
Heater On		On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)	
Fan		Constantly on	

Note:

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



Bullet Camera Specifications (Part 1)





		GV-BL120D	GV-BL130D	GV-BL220D	GV-BL320D
					
Camera		1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS	
Image Sensor		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
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		
Dynamic Range		Up to 72 dB			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 input (Dry Contact)			
Alarm Output		1 digital output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
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, RCM, RoHS compliant			
Dimensions	Camera Body	277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")			
	Cable Length	1 m (3.28 ft)			
	Max. Cable Diameter	Ø 7.1 mm (0.28")			
	Max. Connector Diameter	Ø 25.2 mm (0.99")			
Weight		1.35 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-BL1500	GV-BL2400	GV-BL2500	GV-BL3400
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 input (Dry Contact)			
Alarm Output		1 digital output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			
Maximum Aperture		F/1.2			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive	DC drive	DC drive	DC drive
IR LED Quantity		16 IR LEDs			
Max. IR Distance		70 m (230 ft)	50 m (164 ft)		
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°			
	Tilt	90° ~ 180°			
	Rotate	0° ~ 360°			
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (RCA female for microphone); 1 Out (RCA female for speaker)			
	Digital I/O	I/O Wire			
Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
General					
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)			
Max. Power Consumption		7.68 W	7.2 W	8 W	7.2 W
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions	Camera Body	277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")			
	Cable Length	1 m (3.28 ft)			
	Max. Cable Diameter	Ø 7.1 mm (0.28")			
	Max. Connector Diameter	Ø 25.2 mm (0.99")			
Weight		1.4 Kg (3.08 lb)	1.35 kg (2.98 lb)	1.4 Kg (3.08 lb)	1.35 kg (2.98 lb)
Ingress Protection		IP67			
Vandal Resistance		IK10 for metal casing			

Note:

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- 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
Dynamic Range		Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)					
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			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					
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		11.52 W	13.8 W	11.52 W	13.4 W	12.48 W	
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions	Camera Body	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")					
	Cable Length	1 m (3.28 ft)					
	Max. Cable Diameter	Ø 7.1 mm (0.28")					
	Max. Connector Diameter	Ø 25.2 mm (0.99")					
Weight		1.4 Kg (3.08 lb)					
Ingress Protection		IP67					
Vandal Resistance		IK10 for metal casing					

Note:

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- 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
	B/W	0.03 Lux	0.01 Lux	0.05 Lux	0.02 Lux
	IR ON	0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)				
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
Dynamic Range	Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression	H.264, MJPEG				
Video Streaming	Dual streams				
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536
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, RCM, 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:

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



Ultra Bullet Camera Specifications (Part 2)








		GV-UBL1301 Series		GV-UBL2401 Series		GV-UBL3401 Series	
							
Camera		1/2.5" progressive scan CMOS		1/3.2" progressive scan CMOS			
Image Sensor		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Picture Elements							
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			
Dynamic Range		Up to 72 dB		Up to 100 dB			
Operation							
Video Compression				H.264, MJPEG			
Video Streaming				Dual streams			
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		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	F/1.6	GV-UBL2401-2F	F/1.6	GV-UBL3401-2F	F/1.6
		GV-UBL1301-3F	F/1.6	GV-UBL2401-3F	F/1.6	GV-UBL3401-3F	F/1.6
Mount				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 Temperature	Start-up	-20 °C ~ 45 °C (-4 °F ~ 113 °F)					
	Operation	-30 °C ~ 45 °C (-22 °F ~ 113 °F)				-20 °C ~ 45 °C (-4 °F ~ 113 °F)	
Humidity				10% to 90% (no condensation)			
Power Source				5V DC / PoE			
Max. Power Consumption				5.52W			
Regulatory				CE, FCC, RCM, 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		1/2.5" 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
Dynamic Range		Up to 72 dB				Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation								
Video Compression		H.264, MJPEG						
Video Streaming		Dual streams						
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	
Audio Compression		G.711, AAC (optional)						
Sensor Input		1 Input (Dry Contact)						
Alarm Output		1 Digital output (200mA 5V DC)						
Optical Lens								
Megapixel		Yes						
Day/Night		Yes (with removable IR-cut filter)						
Lens Type		Varifocal Lens						
Focal Length		3 ~ 9 mm						
Maximum Aperture		F/1.3			F/1.2			
Mount		Ø14 mm						
Image Format		1/3"						
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 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						
LED Indicator	TV-Out	BNC connector (640 x 480 resolution)						
	General	2 LEDs: Power, Status						
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, RCM, RoHS compliant						
Dimensions	Camera Body	Ø 165 x 125 mm (6.49" x 4.92")						
	Cable Length	1 m (3.28 ft)						
	Cable Diameter	Ø 16.7 mm (0.66")						
	Max. Connector Diameter	Ø 16.7 mm (0.66")						
Weight		1.7 kg (3.75 lb)						
Ingress Protection		IP67						

Note:

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



Vandal Proof Dome Specifications (Part 2)






		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			
Maximum Aperture		F/1.2			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			
High Power LED		6 IR LEDs			
Max. IR Distance		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
Mechanical					
Camera	Pan	-90° ~ 90°			
Angle	Tilt	0° ~ 85°			
Adjustment	Rotate	0° ~ 350°			
Temperature Detector		Yes			
Power		2-pin terminal block, PoE			
Ethernet		Ethernet (10/100 Base-T), RJ-45 connector			
Audio		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
Connectors	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	0.08 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	B/W	0.01 Lux	0.05 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
Dynamic Range	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation					
Video Compression	H.264, MJPEG				
Video Streaming	Dual streams				
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression	G.711, AAC (optional)				
Sensor Input	1 Input (Dry Contact)				
Alarm Output	1 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	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			
LED Indicator	TV-Out	BNC connector (640 x 480 resolution)			
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	
Picture Elements		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.02 Lux	
	B/W	0.02 Lux	
	IR ON	0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		52 dB	
WDR Pro (with WDR sensor)		N/A	
Dynamic Range		Up to 72 dB	
Operation			
Video Compression		H.264, MJPEG	
Video Streaming		Dual streams	
Frame Rate		30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)	
Sensor Input		1 Input (Dry Contact)	
Alarm Output		1 Output (200mA 5V DC)	
Optical Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Motorized Varifocal Lens	
Focal Length		3 ~ 9 mm	
Maximum Aperture		F/1.2	
Mount		Ø14 mm	
Image Format		1/2.7"	
Horizontal FOV		103° ~ 36°	
Operation	Focus	Auto Focus	
	Zoom	3x Optical Zoom	
	Iris	DC drive	
High Power LED		6 IR LEDs	
Max. IR Distance		25 m (82.0 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-FD220D	GV-FD320D	GV-FD1200	GV-FD1500	
						
Camera						
Image Sensor		1/2.5" progressive scan CMOS		1/3" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1280 (H) x 1024 (V)	
Minimum Illumination	Color	0.15 Lux		0.05 Lux	0.01 Lux	
	B/W	0.10 Lux		0.03 Lux	0.01 Lux	
	IR ON	0 Lux				
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		45 dB		50 dB	55 dB	
WDR Pro (with WDR sensor)		N/A				
Dynamic Range		Up to 72 dB				
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual streams				
Frame Rate		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		82° ~ 30°	86° ~ 31°	86° ~ 32°	90° ~ 32°	
Operation	Focus	Manual (w/lock)				
	Zoom	Manual (w/lock)				
Iris		DC drive		DC drive; P-Iris (Coming)		
IR LED Quantity		10 IR LEDs				
Max. IR Distance		15 m (50 ft)			30 m (98.4 ft)	
Mechanical						
Camera Angle	Pan	0° ~ 350°				
	Tilt	10° ~ 90°				
Adjustment	Rotate	0° ~ 340°				
	Temperature Detector	Yes				
Connectors	Power	2-pin terminal block, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	1 In	1 In (microphone phone jack, 3.5mm / 0.14")			
		1 Out	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	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, 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
				
Camera				
Image Sensor		1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	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		47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		Yes	N/A	Yes
Dynamic Range		Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		30 fps at 1920 x 1080		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		82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Manual (w/lock)		
	Zoom	Manual (w/lock)		
	Iris	DC drive	DC drive; P-Iris (Coming)	
IR LED Quantity		10 IR LEDs		
Max. IR Distance		30 m (98.4 ft)		
Mechanical				
Camera Angle	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	1 In (microphone phone jack, 3.5mm / 0.14")	
		1 Out	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, 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 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
	B/W	0.03 Lux	0.01 Lux	0.05 Lux	0.02 Lux
	IR ON	0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance	Auto, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	50 dB	55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)	N/A		Yes	N/A	Yes
Dynamic Range	Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression	H.264, MJPEG				
Video Streaming	Dual streams				
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536
Audio Compression	G.711, AAC (optional)				
Sensor Input	1 Input (Dry Contact)				
Alarm Output	1 Digital output (200mA 5V DC)				
Optical Lens					
Megapixel	Yes				
Day/Night	Yes (with removable IR-cut filter)				
Lens Type	Motorized Varifocal Lens				
Focal Length	3 ~ 9 mm				
Maximum Aperture	F/1.2				
Mount	Ø14 mm				
Image Format	1/2.7"				
Horizontal FOV	86° ~ 32°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
Operation	Focus	Auto Focus			
	Zoom	3X Optical Zoom			
	Iris	DC drive	DC drive; P-Iris (Coming)	DC drive	P-Iris
IR LED Quantity	10 IR LEDs				
Max. IR Distance	15 m (50 ft)	30 m (98.4 ft)			
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 350°			
	Tilt	10° ~ 90°			
	Rotate	0° ~ 340°			
Temperature Detector	Yes				
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (microphone phone jack, 3.5mm / 0.14") 1 Out (Stereo phone jack, 3.5mm / 0.14")			
	Digital I/O	3-pin terminal block, pitch 2.5 mm			
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
TV-Out	BNC connector (640 x 480 resolution)				
LED Indicator	2 LEDs: Power, Status				
General					
Environment Temperature	0 °C ~ 50 °C / 32 °F ~ 122 °F				
Humidity	10% to 90% (no condensation)				
Power Source	12V DC / 24V AC / PoE (IEEE802.3af)				
Max. Power Consumption	12W				
Regulatory	CE, FCC, RCM, RoHS compliant				
Dimension	ø 155 x 110 mm (6.1" x 4.33")				
Weight	580 g (1.28 lb)				
Vandal Resistance	IK7				

Note:

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



Cube Camera Specifications





		GV-CB120	GV-CB220
			
Camera			
Image Sensor		1/2.5" progressive scan CMOS	
Picture Elements		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	
Dynamic Range		Up to 72 dB	
Operation			
Video Compression		H.264, MJPEG	
Video Streaming		Dual streams	
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080
Audio Compression		G.711, AAC (optional)	
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°
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	
General			
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity		10% to 90% (no condensation)	
Power Source		5V DC	
Max. Power Consumption		3.2 W	
Regulatory		CE, FCC, RCM, RoHS compliant	
Dimensions		60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")	
Weight		80 g (0.18 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).
- 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			
Dynamic Range		Up to 72 dB			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080
Audio Compression		G.711, AAC (optional)			
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, RCM, 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-MFD320
				
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)
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	
Dynamic Range		Up to 72 dB		
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		30 fps at 1280 x 1024		20 fps at 2048 x 1536
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°	110°
Operation	Focus			
	Zoom	Fixed		
	Iris			
Mechanical				
Camera Angle Adjustment	Pan	-45° ~ 45°		
	Tilt	0° ~ 90°		
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	
Regulatory		CE, FCC, RCM, RoHS 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)		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			
Shutter Speed		N/A											
White Balance		Auto, Manual (1/5 ~ 1/8000 sec)											
Gain Control		Auto, Manual (2800K ~ 8500K)											
Gain Control		Automatic											
S/N Ratio		55 dB				52 dB				55 dB			
WDR Pro (with WDR Sensor)		N/A		Yes		N/A		Yes		N/A			
Dynamic Range		Up to 72 dB		Up to 100 dB		Up to 72 dB		Up to 100 dB		Up to 72 dB			
Operation													
Video Compression		H.264, MJPEG											
Video Streaming		Dual streams											
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080				20 fps at 2048 x 1536		10 fps at 2560 x 1920			
Audio Compression		G.711, AAC (optional)											
Optical Lens													
Megapixel		Yes											
Day/Night		Yes (electronic)											
Lens Type		Fixed Lens											
Focal Length	MFD1501-0F	2.8 mm	MFD2401-0F	2.8 mm	MFD2501-0F	2.8 mm	MFD3401-0F	2.8 mm	MFD5301-0F	2.8 mm			
	MFD1501-1F	4 mm	MFD2401-2F	8 mm	MFD2501-1F	4 mm	MFD3401-2F	8 mm	MFD5301-2F	8 mm			
	MFD1501-2F	8 mm	MFD2401-3F	12 mm	MFD2501-2F	8 mm	MFD3401-3F	12 mm	MFD5301-3F	12 mm			
	MFD1501-3F	12 mm	MFD2401-4F	2.1 mm	MFD2501-3F	12 mm	MFD3401-5F	3.8 mm	MFD5301-5F	3.8 mm			
	MFD1501-4F	2.1 mm	MFD2401-5F	3.8 mm	MFD2501-5F	3.8 mm	MFD3401-6F	2.3 mm					
MFD1501-5F	3.8 mm	MFD2501-6F			2.3 mm								
Maximum Aperture	MFD1501-0F	F/2.0	MFD2401-0F	F/2.0	MFD2501-0F	F/2.0	MFD3401-0F	F/2.0	MFD5301-0F	F/2.0			
	MFD1501-1F	F/1.5	MFD2401-2F	F/1.6	MFD2501-1F	F/1.5	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6			
	MFD1501-2F	F/1.6	MFD2401-3F	F/1.6	MFD2501-2F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6			
	MFD1501-3F	F/1.6	MFD2401-4F	F/1.8	MFD2501-3F	F/1.6	MFD3401-5F	F/1.8	MFD5301-5F	F/1.8			
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2					
MFD1501-5F	F/1.8	MFD2501-6F			F/2.2								
Mount		M12, Pitch 0.5 mm											
Image Format		1/3"											
Horizontal FOV	MFD1501-0F	87°	MFD2401-0F	79°	MFD2501-0F	99°	MFD3401-0F	80°	MFD5301-0F	103°			
	MFD1501-1F	67°	MFD2401-2F	31°	MFD2501-1F	72°	MFD3401-2F	33°	MFD5301-2F	41°			
	MFD1501-2F	35°	MFD2401-3F	20°	MFD2501-2F	38°	MFD3401-3F	21°	MFD5301-3F	26°			
	MFD1501-3F	22°	MFD2401-4F	112°	MFD2501-3F	25°	MFD3401-5F	63°	MFD5301-5F	76°			
	MFD1501-4F	124°	MFD2401-5F	60°	MFD2501-5F	72°	MFD3401-6F	105°					
MFD1501-5F	64°	MFD2501-6F			122°								
Operation	Focus	Fixed											
	Zoom	Fixed											
	Iris	Fixed											
Mechanical													
Camera Angle Adjustment	Pan	-45° ~ 45°											
	Tilt	0° ~ 90°											
Temperature Detector		Yes											
Connectors	Power	PoE, 2-pin terminal block											
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector											
	Audio	1 In (Built-in microphone), 1 Out (RCA female for speaker)											
	USB	GV-WiFi adapter or USB hard drive											
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported											
LED Indicator		4 LEDs: Link, ACT, Power, Status											
General													
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)											
Humidity		10% to 90% (no condensation)											
Power Source		DC 5V, PoE (IEEE802.3af)											
Max. Power Consumption		6 W											
Regulatory		CE, FCC, RCM, RoHS compliant											
Dimensions		ø106 x 53.9 mm (4.2" x 2.1")											
Weight		280 g (0.62 lb)											

Note:

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



Mini Fixed Rugged Dome Specifications (Part 1)




	GV-MDR220	GV-MDR320	GV-MDR520
			
Camera			
Image Sensor	1/2.5" progressive scan CMOS		
Picture Elements	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.15 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		
WDR Pro (with WDR sensor)	N/A		
Dynamic Range	Up to 72 dB		
Operation			
Video Compression	H.264, MJPEG		
Video Streaming	Dual streams		
Frame Rate	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	2.54 mm		
Maximum Aperture	F/2.8		
Mount	M12, Pitch 0.5 mm		
Image Format	1/2.5"		
Horizontal FOV	101°	110°	138°
Operation	Focus		
	Zoom	Fixed	
	Iris		
Mechanical			
Camera Angle Adjustment	Pan	-45° ~ 45°	
	Tilt	0° ~ 90°	
	Rotate	0° ~ 360°	
Temperature Detector	Yes		
Connectors	Power	PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
	Audio	built-in microphone	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
LED Indicator	3 LEDs: Link, Power, Status		
General			
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		
Humidity	10% to 90% (no condensation)		
Power Source	PoE		
Max. Power Consumption	3.4 W		3.6 W
Regulatory	CE, FCC, RCM, RoHS compliant		
Dimensions	Camera Body	ø 115 x 59.2 mm (4.5" x 2.3")	
	Cable Length	1.054 m (41.5")	
	Cable Diameter	ø 6.2 mm (0.24")	
	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-MDR3400 Series		GV-MDR5300 Series			
									
Camera									
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS			
Picture Elements		1280 (H) x 1024 (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			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		45 dB			
WDR Pro (with WDR Sensor)		N/A		Yes		N/A			
Dynamic Range		Up to 72 dB		Up to 100 dB		Up to 72 dB			
Operation									
Video Compression				H.264, MJPEG					
Video Streaming				Dual streams					
Frame Rate		30 fps at 1280 x 1024		20 fps at 2048 x 1536		10 fps at 2560 x 1920			
Audio Compression				G.711, AAC (optional)					
Optical Lens									
Megapixel				Yes					
Day/Night				Yes (electronic)					
Lens Type				Fixed Lens					
Focal Length	MDR1500-1F	2.8 mm		MDR3400-1F	2.8 mm		MDR5300-1F	2.8 mm	
	MDR1500-2F	3.8 mm		MDR3400-2F	3.8 mm		MDR5300-2F	3.8 mm	
Maximum Aperture	MDR1500-1F	F/2.0		MDR3400-1F	F/2.0		MDR5300-1F	F/2.0	
	MDR1500-2F	F/1.8		MDR3400-2F	F/1.8		MDR5300-2F	F/1.8	
Mount				M12, Pitch 0.5 mm					
Image Format				1/3"					
Horizontal FOV	MDR1500-1F	88°		MDR3400-1F	85°		MDR5300-1F	104°	
	MDR1500-2F	64°		MDR3400-2F	63°		MDR5300-2F	76°	
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		3.81 W			
Regulatory				CE, FCC, RCM, RoHS compliant					
Dimensions	Camera Body			ø 115 x 59.2 mm (4.5" x 2.3")					
	Cable Length			1.054 m (41.5")					
	Cable Diameter			ø 6.2 mm (0.24")					
	Connector Diameter			M12: ø 14.7 mm (0.58") Waterproof: ø 27 mm (1.06")					
	Weight			568g (1.3 lb)					
Ingress Protection				IP67					
Vandal Resistance				IK10 for metal casing					

Note:

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



Target Series Specifications (Part 1)





		GV-EBX1100 Series		GV-EBL1100 Series		GV-EBL2100 Series	
							
Camera							
Image Sensor		1/3" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS	
Picture Elements		1280 (H) x 1024 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.05 Lux		0.07 Lux	
	B/W	0.03 Lux		0.03 Lux		0.04 Lux	
	IR ON			0 Lux			
Shutter Speed				Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance				Auto, Manual (2800K ~ 8500K)			
Gain Control				Automatic			
S/N Ratio		50 dB		50 dB		48 dB	
Dynamic Range				Up to 72 dB			
Operation							
Video Compression				H.264, MJPEG			
Video Streaming				Dual streams			
Frame Rate		30 fps at 1280 x 1024				30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)				N/A	
Optical Lens							
Megapixel				Yes			
Day/Night				Yes (with removable IR-cut filter)			
Lens Type				Fixed			
Focal Length	GV-EBX1100-0F	2.8 mm	GV-EBL1100-1F	6 mm	GV-EBL2100-1F	6 mm	
	GV-EBX1100-2F	3.8 mm	GV-EBL1100-2F	3.8 mm	GV-EBL2100-2F	3.8 mm	
Maximum Aperture	GV-EBX1100-0F	F/2.0	GV-EBL1100-1F	F/1.8	GV-EBL2100-1F	F/1.8	
	GV-EBX1100-2F	F/1.8	GV-EBL1100-2F		GV-EBL2100-2F		
Mount				M12, Pitch 0.5 mm			
Image Format				1/2.7"			
Horizontal FOV	GV-EBX1100-0F	93°	GV-EBL1100-1F	44°	GV-EBL2100-1F	51°	
	GV-EBX1100-2F	64°	GV-EBL1100-2F	64°	GV-EBL2100-2F	72°	
Operation	Focus			Fixed			
	Zoom						
	Iris						
IR LED Quantity		8 IR LEDs		24 IR LEDs			
Max. IR Distance		15 m (50 ft)		30 m (98.4 ft)			
Mechanical							
Camera Angle Adjustment	Pan	N/A		N/A			
	Tilt						
Connectors	Power			2-pin terminal block, PoE			
	Ethernet			Ethernet (10/100 Base-T), RJ-45 cable			
	Audio	1 In (built-in microphone)				N/A	
LED Indicator		2 LEDs: Power, Status		4 LEDs: Link, ACT, Power, Status * Inside camera, not visible from outside			
General							
Environment Temperature		0°C ~ 50°C (32°F ~ 122°F)		Start-up	-20°C ~ 50°C (-4°F ~ 122°F)		
				Operation	-30°C ~ 50°C (-22°F ~ 122°F)		
Humidity				10% to 90% (no condensation)			
Power Source				12V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		5.36 W		7.8 W			
Regulatory				CE, FCC, RCM, RoHS compliant			
Dimensions (L X W X H)		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")		115 x 76 x 73 mm (4.5" x 3.0" x 2.9")			
Weight		120 g (0.26 lb)		547 g (1.20 lb)			
Ingress Protection		N/A		IP67			
Vandal Resistance		N/A		IK10 for metal casing			

Note:

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



Target Series Specifications (Part 2)






		GV-EFD1100 Series		GV-EFD2100 Series		GV-EDR1100 Series		GV-EDR2100 Series	
									
Camera									
Image Sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.05 Lux		0.07 Lux	
	B/W	0.03 Lux		0.04 Lux		0.03 Lux		0.04 Lux	
	IR ON	0 Lux							
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)							
White Balance		Auto, Manual (2800K ~ 8500K)							
Gain Control		Automatic							
S/N Ratio		50 dB		48 dB		50 dB		48 dB	
Dynamic Range		Up to 72 dB							
Operation									
Video Compression		H.264, MJPEG							
Video Streaming		Dual streams							
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		30 fps at 1280 x 1024		30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)				N/A			
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed							
Focal Length	GV-EFD1100-0F	2.8 mm	GV-EFD2100-0F	2.8 mm	GV-EDR1100-0F	2.8 mm	GV-EDR2100-0F	2.8 mm	
	GV-EFD1100-2F	3.8 mm	GV-EFD2100-2F	3.8 mm	GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	
Maximum Aperture	GV-EFD1100-0F	F/2.0	GV-EFD2100-0F	F/2.0	GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	
	GV-EFD1100-2F	F/1.8	GV-EFD2100-2F	F/1.8	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	
Mount		M12, Pitch 0.5 mm							
Image Format		1/2.7"							
Horizontal FOV	GV-EFD1100-0F	93°	GV-EFD2100-0F	99°	GV-EDR1100-0F	93°	GV-EDR2100-0F	99°	
	GV-EFD1100-2F	64°	GV-EFD2100-2F	72°	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	
Operation	Focus	Fixed							
	Zoom	Fixed							
	Iris	Fixed							
IR LED Quantity		12 IR LEDs							
Max. IR Distance		15 m (50 ft)							
Mechanical									
Camera Angle Adjustment	Pan	-45° ~ 45°							
	Tilt	0° ~ 63°							
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable							
	Audio	1 In (built-in microphone)				N/A			
LED Indicator		4 LEDs: Link, ACT, Power, Status				4 LEDs: Link, ACT, Power, Status			
General									
Environment Temperature		0°C ~ 45°C (32°F ~ 113°F)				Start-up	-20°C ~ 50°C (-4°F ~ 122°F)		
						Operation	-30°C ~ 50°C (-22°F ~ 122°F)		
Humidity		10% to 90% (no condensation)							
Power Source		12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption		5.8 W							
Regulatory		CE, FCC, RCM, RoHS compliant							
Dimensions (L X W X H)		ø 100 x 60 mm (3.9" x 2.4")				ø 114 x 62.8 mm (4.49" x 2.47")			
Weight		148 g (0.33 lb)				600 g (1.32 lb)			
Ingress Protection		N/A				IP67			
Vandal Resistance		N/A				IK10 for metal casing			

Note:

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



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	
Dynamic Range		Up to 72 dB			N/A	
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, RCM, RoHS compliant	
Dimensions	With Base				167.75 x 166.78 x 135.2 mm (6.6" x 6.7" x 5.32")	
	Without Base				124.55 x 122.73 x 133.3 mm (4.9" x 4.83" x 5.25")	
Weight		440 g (0.97 lb)			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					
Dynamic Range	Up to 72 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, RCM, 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)				
	Cable Diameter	ø 8 mm (0.31")				
Max. Connector Diameter	ø 28.5 (1.12")					
Weight	650 g (1.43 lb)				480 g (1.06 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	
Dynamic Range		Up to 72 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, RCM, 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		
Picture Elements			1440 (H) x 1376 (V)		
Minimum Illumination	Color		0.15 Lux		
	B/W		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		
WDR Pro (with WDR Sensor)			N/A		
Dynamic Range			Up to 72 dB		
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		
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		
Maximum Aperture			F/2.0		
Mount			M12, Pitch 0.5 mm		
Image Format			4.1 mm (image circle)		
Horizontal FOV			180°		
Operation	Focus		Fixed		
	Iris		Fixed		
	Zoom		Fixed		
Mechanical					
Temperature Detector			Yes		
Connectors	Power		Terminal block (2 pin), PoE		
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector		
	Audio		1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")		
	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	45 dB
WDR Pro (with WDR Sensor)		Yes	N/A
Dynamic Range		Up to 100 dB	Up to 72 dB
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	1.32 mm
Maximum Aperture		F/2.0	F/2.0
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) IR LED ring: 12V DC	
	w/ PoE Converter	PoE (IEEE802.3 at)	
Max. Power Consumption	w/o PoE Converter	22 W	
	w/ PoE Converter	30 W	
Regulatory		CE, FCC, RCM, RoHS compliant	
Dimensions	Camera Body	Ø 175 x 48.36 mm (6.89" x 1.93")	
	Hard-Ceiling Mount (with IR LED Ring)		
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
Dynamic Range		Up to 100 dB	Up to 72 dB
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	1.32 mm
Maximum Aperture		F/2.0	F/2.0
Mount		M12, Pitch 0.5 mm	
Image Format		4.1 mm (image circle)	2.5"
Horizontal FOV		180°	
Operation	Focus		
	Iris	Fixed	
	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
Dynamic Range		Up to 100 dB	Up to 72 dB
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	1.32 mm
Maximum Aperture		F/2.0	F/2.0
Mount		M12, Pitch 0.5 mm	
Image Format		4.1 mm (image circle)	2.5"
Horizontal FOV		180°	
Operation	Focus		
	Iris	Fixed	
	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	Ø 175 x 48.36 mm (6.89" x 1.93")	
	Hard-Ceiling Mount (with IR LED Ring)		
	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		
		IR ON: 0 lux					
Shutter Speed		1 ~ 1/10000 sec	1/2 ~ 1/30000 sec 1/1.5 ~ 1/30000 sec	1 ~ 1/10000 sec	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec 1/1.5 ~ 1/30000 sec	1 ~ 1/10000 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					
Dynamic Range		N/A					
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, RCM, 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 Illumination	Color	0.05 lux at F/1.6				0.05 lux at F/1.6			
	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	N/A				> 50 dB (AGC Off)				
BLC					On / Off				
Optical Zoom	18X				20x / 30x				
Digital Zoom	10X				12x				
WDR Pro (with WDR sensor)					Yes				
Dynamic Range	N/A				Up to 100 dB				
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 (20x); 4.3 ~ 129 mm (30x)				
Maximum Aperture	F/1.6								
Operation	Focus								
	Iris	Auto/Manual							
	Zoom								
Mechanical									
Temperature Detector	No				Yes				
Power	3-pin terminal block, High power PoE(AT)		3-pin terminal block		DC Jack, PoE				
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 / 24V DC / PoE (IEEE 802.3at)		24V AC / 24V DC / PoE++ (60 W)		
Max. Power Consumption	20 W		65 W (with Heater)		30 W		60 W (with 30 W heater)		
Regulatory	CE, FCC, RCM, RoHS Compliant								
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.
- GV-SD220/220-S starts supporting PoE from November, 2014.



IP Speed Dome Camera Specifications (Part 3)

		GV-SD2300 (Outdoor)	GV-SD2301 (Outdoor)	
				
Camera				
Image Sensor		1/2.8 Progressive Scan CMOS		
Picture Elements		1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.02 lux at F/1.6		
	B/W	0.01 lux at F/1.6		
Shutter Speed		1 ~ 1/10000 sec		
White Balance		Auto / Manual		
Gain Control		Auto / Manual		
S/N Ratio		50 dB (AGC Off)		
BLC		On / Off		
Optical Zoom		20x		
Digital Zoom		12X		
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams from H.264 or MJPEG		
Frame Rate		30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720		
Audio Compression		G.711, AAC (optional)		
Sensor Input		4 Input (Dry Contact)		
Alarm Output		1 Digital Output (200mA 5V DC)		
Pan Travel		360° endless		
Tilt Travel		0° ~ 180°	-20° ~ 200°	
Manual Speed		0.5° ~ 460/s		
Presets		255		
Preset Accuracy		0.2°		
Preset Speed		0.5° ~ 460/s		
Sequence	Max Number	8		
	Max Presets Allowed	16		
Auto Pan		8		
Cruise		4		
Privacy Mask		8		
Wide Dynamic Range		On / Off		
Dynamic Range		Up to 72dB		
Optical Lens				
Day/Night		Yes (with removable IR Cut Filter)		
Focal Length		4.7 ~ 94 mm		
Maximum Aperture		F / 1.6		
Operation	Focus	Auto/Manual		
	Zoom	20x		
	Iris	Auto/Manual		
Mechanical				
Connectors	Power	DC Jack, PoE		
	Ethernet	10/100 Base-T, RJ-45 connector		
	Audio		1 in (RCA female for microphone)	
			1 out (RCA female for speaker)	
	Digital I/O	I/O Wires		
Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
General				
Environment Temperature		-40 °C ~ 50 °C (-40 °F ~ 122 °F)	-40 °C ~ 70 °C (-40 °F ~ 158 °F)	
Humidity		20% to 90% (non-condensing)		
Power Source		24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)		
Max. Power Consumption		60 W (with 30 W Heater)	50 W (with 30 W Heater)	
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions	Camera Body	Ø 220 x 297.75 mm (8.66" x 11.72")	Ø 212 x 215 mm (8.35" x 8.46")	
Weight (With rack)		4.7 kg (10.4 lb)	2.9 kg (6.4 lb)	
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal and polycarbonate casting		

Note:

1. The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).
2. SDXC and UHS-I card types are not supported.
3. No memory card slot (local storage function) is not supported in Argentina.