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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-BX1300-0F ~2F	GV-BX1300-3V	GV-BX2400-0F ~2F GV-BX2400-8F	GV-BX2400-3V~4V	GV-BX2400-3V~4V P-Iris (Coming)	GV-BX3400-0F ~2F GV-BX3400-8F	GV-BX3400-4V~5V	GV-BX3400-3V~4V P-Iris (Coming)	
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal 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		0.10 Lux			0.08 Lux			
IR ON	0.10 Lux		0 Lux			0.05 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		
Focal Length	BX1300-0F 4 mm	2.8 ~ 12 mm	BX2400-0F 4 mm	BX2400-3V 2.8 ~ 12 mm	3 ~ 10.5 mm	BX3400-0F 4 mm	BX3400-4V 3 ~ 10.5 mm	BX3400-3V 3 ~ 10.5 mm	
	BX1300-1F 8 mm		BX2400-1F 8 mm	BX2400-4V 3 ~ 10.5 mm	7 ~ 22 mm	BX3400-1F 8 mm	BX3400-5V 2.8 ~ 6 mm	BX3400-4V 7 ~ 22 mm	
	BX1300-2F 12 mm		BX2400-2F 12 mm			BX2400-8F 2.8 mm			BX3400-2F 12 mm
Maximum Aperture	BX1300-0F F/1.5	F/1.4	BX2400-0F F/1.5	BX2400-3V F/1.4	F/1.4	BX3400-0F F/1.5	BX3400-4V F/1.4	F/1.4	
	BX1300-1F F/1.6		BX2400-1F F/1.6	BX2400-4V F/1.4	F/1.6	BX3400-1F F/1.6	BX3400-5V F/1.3	F/1.3	
	BX1300-2F F/1.8		BX2400-2F F/1.8	BX2400-8F F/1.8	BX3400-2F F/1.8	BX3400-8F F/1.8			
Mount	CS Mount								
Image Format	BX1300-0F 1/3"	1/2.7"	BX2400-0F 1/3"	BX2400-3V 1/2.7"	1/2.7"	BX3400-0F 1/3"	BX3400-4V 1/2.7"	1/2.7"	
	BX1300-1F 1/2.5"		BX2400-1F 1/2.5"	BX2400-4V 1/2.5"	1/2.5"	BX3400-1F 1/2.5"	BX3400-5V 1/3"	1/3"	
	BX1300-2F 1/2.5"		BX2400-2F 1/2.5"	BX2400-8F 1/2.5"	1/2.5"	BX3400-2F 1/2.5"	BX3400-8F 1/2.5"	1/2.5"	
Horizontal FOV	BX1300-0F 49°	64° ~ 23°	BX2400-0F 58°	BX2400-3V 77° ~ 28°	73° ~ 27°	BX3400-0F 61°	BX3400-4V 78° ~ 28°	BX3400-3V 78° ~ 28°	
	BX1300-1F 26°		BX2400-1F 32°	BX2400-4V 73° ~ 27°	32° ~ 14°	BX3400-1F 35°	BX3400-5V 94° ~ 45°	BX3400-4V 35° ~ 15°	
	BX1300-2F 17°		BX2400-2F 21°	BX2400-8F 83°		BX3400-2F 23°			
						BX3400-8F 88°			
Operation	Focus	Manual w/lock							
	Zoom	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	P-Iris	
	Iris	Fixed	DC drive	Fixed	DC drive	P-Iris	Fixed	DC drive	
Mechanical									
Temperature Detector	Yes								
Power	2-pin terminal block, PoE								
Ethernet	Ethernet (10/100 Base-T), RJ-45 connector								
Audio	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")								
Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"								
Auto Iris	Not functional	Yes	Not functional	Yes	Not functional	Yes	Not functional	Yes	
Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported								
TV-Out	BNC connector (640 x 480 resolution)								
Mini USB	GV-WiFi Adapter or USB hard drive								
LED Indicator	2 LEDs: Power, Status								
General									
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)								
Humidity	10% to 90% (no condensation)								
Power Source	12V DC / PoE (IEEE802.3af Class 3)								
Max. Power Consumption	9.5 W		6.98 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 640x 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-BX1500-0F ~ 2F GV-BX1500-8F	GV-BX1500-3V	GV-BX1500-3V~4V P-Iris (Coming)	GV-BX2500-0F ~ 2F GV-BX2500-8F	GV-BX2500-3V	GV-BX1500-3V~4V 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			0.02 Lux						
	B/W			0.01 Lux			0.02 Lux						
	IR ON			0 Lux			0.15 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	BX1500-0F	4 mm	2.8 ~ 12 mm	BX1500-3V	3 ~ 10.5 mm	BX2500-0F	4 mm	2.8 ~ 12 mm	BX2500-3V	3 ~ 10.5 mm	2.8 mm	4.5 ~ 10 mm	3.3 ~ 10.5 mm
	BX1500-1F	8 mm		BX2500-1F	8 mm	BX2500-2F	12 mm						
	BX1500-2F	12 mm		BX1500-4V	7~22 mm	BX2500-8F	2.8 mm		BX2500-4V	7~22 mm			
Maximum Aperture	BX1500-0F	F/1.5	F/1.4	F/1.4	BX2500-0F	F/1.5	F/1.4	F/1.4	F/1.8	F/1.6	F/1.4	F/1.6	F/1.4
	BX1500-1F	F/1.6			BX2500-1F	F/1.6							
	BX1500-2F	F/1.8			BX2500-2F	F/1.8							
	BX1500-8F	F/1.8			BX2500-8F	F/1.8							
Mount	CS Mount												
Image Format	BX1500-0F	1/3"	1/2.7"	1/2.7"	BX2500-0F	1/3"	1/2.7"	1/2.7"	1/2.5"	1/2"	1/2.5"	1/2"	1/2.5"
	BX1500-1F				BX2500-1F								
	BX1500-2F	1/2.5"			BX2500-2F	1/2.5"							
	BX1500-8F				BX2500-8F								
Horizontal FOV	BX1500-0F	63°	86° ~ 31°	81° ~ 29°	BX2500-0F	72°	105° ~ 36°	105° ~ 36°	96° ~ 34°	112°	70° ~ 34°	84° ~ 35°	84° ~ 35°
	BX1500-1F	36°			BX2500-1F	40°							
	BX1500-2F	23°			BX2500-2F	25°							
	BX1500-8F	90°			BX2500-8F	107°							
	BX1500-8F	90°			BX2500-8F	107°							
Operation	Focus	Manual w/lock											
	Zoom	Fixed	Manual (w/lock)		Fixed	Manual (w/lock)		Fixed	Manual (w/lock)				
	Iris	Fixed	DC drive	P-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:**
- 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:
 - 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			
	Power	PoE			
Connectors	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	GV-BX5310-E
			
Camera			
Image Sensor		1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.02 Lux	0.15 Lux
	B/W	0.02 Lux	0.10 Lux
	IR ON	0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		52 dB	45 dB
WDR Pro (with WDR Sensor)		N/A	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:

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



Bullet Camera Specifications (Part 1)





		GV-BL120D	GV-BL130D	GV-BL220D	GV-BL320D
					
Camera		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; P-Iris (Coming)	DC drive	DC drive; P-Iris (Coming)	DC drive; P-Iris (Coming)
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; P-Iris (Coming)		
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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- 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 4)






		GV-BL2510-E	GV-BL5310-E
			
Camera			
Image Sensor		1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.02 Lux	0.15 Lux
	B/W	0.02 Lux	0.10 Lux
	IR ON	0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)	
White Balance		Auto, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		52 dB	45 dB
WDR Pro (with WDR Sensor)		N/A	
Dynamic Range		Up to 72 dB	
Operation			
Video Compression		H.264, MJPEG	
Video Streaming		Dual streams from H.264 or MJPEG	
Frame Rate		30 fps at 1920 x 1080	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)	
Audio Support		Two-Way Audio	
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	4.5 ~ 9 mm
Maximum Aperture		F/1.2	
Mount		Ø14 mm	
Image Format		1/2.7"	
Horizontal FOV		103° ~ 36°	70° ~ 39°
Operation	Focus	Auto Focus	
	Zoom	3X Optical Zoom	2X Optical Zoom
	Iris	P-Iris	
IR LED Quantity		16 IR LEDs	
Max. IR Distance		50 m (164 ft)	40 m (131 ft)
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	
	Tilt	90° ~ 180°	
	Rotate	0° ~ 360°	
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	
	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		-40 °C ~ 50 °C (-40 °F ~ 122 °F)	
Humidity		10% to 90% (no condensation)	
Power Source		12V DC / 24V AC	
Max. Power Consumption		34 W	33.2 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	
Heater		On: -40 °C ~ 30 °C (-40 °F ~ 86 °F) ; Off: 31 °C (87.8 °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.



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							
Image Sensor		1/2.5" progressive scan CMOS		1/3.2" progressive scan CMOS			
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.15 Lux		0.08 Lux			
	B/W	0.10 Lux		0.05 Lux			
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB		47 dB			
WDR Pro (with WDR sensor)		N/A		Yes			
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	Fixed					
	Iris	Fixed					
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)		-20 °C ~ 45 °C (-4 °F ~ 113 °F)			
	Operation	-30 °C ~ 45 °C (-22 °F ~ 113 °F)					
Humidity		10% to 90% (no condensation)					
Power Source		5V DC / PoE					
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 Angle		-90° ~ 90°			
Adjustment		0° ~ 85°			
Temperature Detector		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	0.01 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	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	
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*	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 2)






		GV-FD2400	GV-FD2500	GV-FD3400	GV-FD5300
					
Camera					
Image Sensor		1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2560 (H) x 1536 (V)
Minimum Illumination	Color	0.08 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	B/W	0.05 Lux	0.02 Lux	0.05 Lux	0.10 Lux
	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	45 dB
WDR Pro (with WDR sensor)		Yes	N/A	Yes	N/A
Dynamic Range		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1920 x 1080		20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Digital output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			4.5 ~ 10 mm
Maximum Aperture		F/1.2			F/1.6
Mount		Ø14 mm			CS Mount
Image Format		1/2.7"			1/2.5"
Horizontal FOV		82° ~ 30°	103° ~ 36°	86° ~ 31°	70° ~ 34°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive	DC drive; P-Iris (Coming)		Manual (w/lock)
IR LED Quantity		10 IR LEDs			
Max. IR Distance		30 m (98.4 ft)			25 m (82 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 (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.



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	0.08 Lux
	B/W	0.03 Lux	0.01 Lux	0.05 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance	Auto, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	50 dB	55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)	N/A		Yes	N/A	Yes
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	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 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	Fixed			
	Iris	Fixed			
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	Fixed		
	Zoom			
	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)				2048 (H) x 1536 (V)		2560 (H) x 1920 (V)	
Minimum Illumination	Color	0.01 Lux		0.08 Lux		0.02 Lux		0.08 Lux		0.15 Lux	
	B/W	0.01 Lux		0.05 Lux		0.02 Lux		0.05 Lux		0.10 Lux	
										N/A	
Shutter Speed						Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance						Auto, Manual (2800K ~ 8500K)					
Gain Control						Automatic					
S/N Ratio				55 dB		52 dB				55 dB	
WDR Pro (with WDR Sensor)		N/A		Yes		N/A		Yes		N/A	
Dynamic Range		Up to 72 dB		Up to 100 dB		Up to 72 dB		Up to 100 dB		Up to 72 dB	
Operation											
Video Compression						H.264, MJPEG					
Video Streaming						Dual streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080				20 fps at 2048 x 1536		10 fps at 2560 x 1920	
Audio Compression						G.711, AAC (optional)					
Optical Lens											
Megapixel						Yes					
Day/Night						Yes (electronic)					
Lens Type						Fixed Lens					
Focal Length	MFD1501-0F	2.8 mm	MFD2401-0F	2.8 mm	MFD2501-0F	2.8 mm	MFD3401-0F	2.8 mm	MFD5301-0F	2.8 mm	
	MFD1501-1F	4 mm	MFD2401-1F	4 mm	MFD2501-1F	4 mm	MFD3401-1F	4 mm	MFD5301-1F	4 mm	
	MFD1501-2F	8 mm	MFD2401-2F	8 mm	MFD2501-2F	8 mm	MFD3401-2F	8 mm	MFD5301-2F	8 mm	
	MFD1501-3F	12 mm	MFD2401-3F	12 mm	MFD2501-3F	12 mm	MFD3401-3F	12 mm	MFD5301-3F	12 mm	
	MFD1501-4F	2.1 mm	MFD2401-4F	2.1 mm	MFD2501-4F	2.1 mm	MFD3401-4F	2.1 mm	MFD5301-4F	2.1 mm	
Maximum Aperture	MFD1501-0F	F/2.0	MFD2401-0F	F/2.0	MFD2501-0F	F/2.0	MFD3401-0F	F/2.0	MFD5301-0F	F/2.0	
	MFD1501-1F	F/1.5	MFD2401-1F	F/1.5	MFD2501-1F	F/1.5	MFD3401-1F	F/1.5	MFD5301-1F	F/1.5	
	MFD1501-2F	F/1.6	MFD2401-2F	F/1.6	MFD2501-2F	F/1.6	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6	
	MFD1501-3F	F/1.6	MFD2401-3F	F/1.6	MFD2501-3F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6	
		MFD1501-4F	F/1.8	MFD2401-4F	F/1.8	MFD2501-4F	F/1.8	MFD3401-4F	F/1.8	MFD5301-4F	F/1.8
Mount						M12, Pitch 0.5 mm					
Image Format						1/3"					
Horizontal FOV	MFD1501-0F	87°	MFD2401-0F	79°	MFD2501-0F	99°	MFD3401-0F	80°	MFD5301-0F	103°	
	MFD1501-1F	67°	MFD2401-1F	58°	MFD2501-1F	72°	MFD3401-1F	62°	MFD5301-1F	84°	
	MFD1501-2F	35°	MFD2401-2F	31°	MFD2501-2F	38°	MFD3401-2F	33°	MFD5301-2F	41°	
	MFD1501-3F	22°	MFD2401-3F	20°	MFD2501-3F	25°	MFD3401-3F	21°	MFD5301-3F	26°	
	MFD1501-4F	124°	MFD2401-4F	112°	MFD2501-4F	150°	MFD3401-4F	120°	MFD5301-4F	120°	
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			Non-waterproof (Smaller) : 16.8 x 13.8 mm (0.66" x 0.54")		
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:

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



PT and PTZ Camera Specifications






		GV-PT130D	GV-PT220D	GV-PT320D	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			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			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)			G.711, AAC (optional)	
Sensor Input		1 Input (Dry Contact)			1 Input (Dry Contact)	
Alarm Output		1 Digital output (200mA 5V DC)			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			Yes	
Connectors	Power	2-pin terminal block, PoE			2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			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")			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"			3-pin terminal block, pitch 2.5 mm / 0.1"	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
LED Indicator		2 LEDs: Power, Status			2 LEDs: Power, Status	
General						
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)			0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity		10% to 90% (no condensation)			10% to 90% (no condensation)	
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)			12V DC / 24V AC / PoE (IEEE802.3af)	
Max. Power Consumption		12.5 W			12.5 W	
Regulatory		CE, FCC, RCM, RoHS compliant			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")			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")			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			Fixed	
	Iris			Fixed	
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)		-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")
		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")
	Cable Length		1 m (3.28 ft)		1 m (3.28 ft)
	Cable Diameter		ø 8 mm (0.31")		ø 6.2 mm (0.24")
Max. Connector Diameter		ø 28.5 (1.12")		ø 30 (1.18")	
Weight			650 g (1.43 lb)		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	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
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	Fixed	
	Zoom	Fixed	
IR LED Quantity		6 IR LEDs	
Max. IR Distance		10 m (32.81 ft.)	
Temperature Detector			
		Yes	
Connectors	Power	Terminal block (2 pin), PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector	
	Audio	1 In (built-in microphone)	
		1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
Mini USB	GV-WiFi Adapter or USB hard drive		
Environment Temperature			
		0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity			
		10% to 90% (no condensation)	
Power Source	w/o PoE Converter	Camera: 12V DC / 24V AC / PoE (IEEE802.3af)	
	w/ PoE Converter	IR LED ring: 12V DC PoE (IEEE802.3 at)	
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.
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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	Fixed	
	Iris		
	Zoom		
IR LED Quantity		6 IR LEDs	
Max. IR Distance		10 m (32.81 ft.)	
Mechanical			
Temperature Detector		Yes	
Connectors	Power	Terminal block (2 pin), PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector	
	Audio	1 In (built-in microphone), 1 Out (built-in speaker)	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
General			
Environment Temperature		-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)	
Power Source		Camera: 12V DC / 24V AC / PoE (IEEE802.3af) IR LED ring: 12V DC	
Max. Power Consumption		22 W	
Regulatory		CE, FCC, RCM, RoHS compliant	
Dimensions	Camera Body	Hard-Ceiling Mount (with IR LED Ring) Ø 175 x 48.36 mm (6.89" x 1.93")	
	Cable Length	1 m (3.28 ft.)	
	Cable Diameter	Ø 6.2 mm (0.24")	
	Max. Connector Diameter	Ø 30 mm (1.18")	
Weight		960 g (2.12 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK10+ for metal casing	

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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 lux		0.01 lux	
Shutter Speed		1 ~ 1/10000 sec	1/2 ~ 1/30000 sec	1 ~ 1/10000 sec	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec	1 ~ 1/10000 sec
			1/1.5 ~ 1/30000 sec			1/1.5 ~ 1/30000 sec	
White Balance		Auto / Manual					
Gain Control		Auto / Manual					
S/N Ratio		> 50 dB (AGC Off)					
BLC		On / Off					
Optical Zoom		18X	23X	36X	18X	23X	36X
Digital Zoom		12X					
Video Compression		H.264, MPEG4, MJPEG					
Video Streaming		Stream 1 from H.264, MPEG4 or MJPEG Stream 2 from H.264, MPEG4 or MJPEG					
Frame Rate		30/25 fps (60/50 Hz) at 704 x 480 / 704 x 576					
Audio Compression		G.711, AAC (optional)					
Sensor Input		4					
Alarm Output		1					
Pan Travel		360° endless					
Tilt Travel		-10° ~ 190°					
Manual Speed		0.5° ~ 90°/s					
Presets		256					
Preset Accuracy		0.225°					
Preset Speed		5° ~ 400°/s					
Sequence		8					
Auto Pan		4					
Cruise		4					
Privacy Mask		24	8	24	24	8	24
Wide Dynamic Range		On / Off					
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		3-pin terminal block					
		Ethernet (10/100 Base-T), RJ-45 connector					
		1 in 1 out (stereo jack, ø 35 mm)					
		4 in 1 out (I/O Wires)					
		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.
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- 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				
Maximum Aperture					F1.6				
Operation	Focus					Auto/Manual			
	Iris								
	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++ (90 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:

1. Product design and specifications are subject to change without notice.
2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. **Memory card slot (local storage) is not supported in Argentina.**
4. GV-SD200/200-S only supports dual-streaming when stream 1 is set to H.264.
5. GV-SD220/220-S starts supporting PoE from November, 2014.