










## Contents

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## Box Camera Specifications (Part 1)


	GV-BX120D	GV-BX140DW	GV-BX130D Series		GV-BX220D Series	GV-BX320D Series	GV-BX520D		
	Varifocal Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens		
Camera									
Image Sensor	1/3" progressive scan low lux CMOS	1/3" progressive scan CMOS	1/2.5" progressive scan CMOS						
Picture Elements	1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)		
Minimum Illumination	Color	0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)	0.2 Lux at F/1.4	0.5 Lux at F/1.5	0.5 Lux at F/1.4	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		0.5 Lux at F/1.6	
	B/W	0.08 Lux (1/30 sec), 0.04Lux (1/5 sec)	0.08 Lux at F/1.4	0.1 Lux at F/1.5	0.1 Lux at F/1.4	0.2 Lux (1/30 sec), 0.1 Lux (1/5 sec)		0.1 Lux at F/1.6	
	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	N/A	Yes (with WDR sensor)					N/A		
Operation									
Video Compression	H.264, MJPEG								
Video Streaming	Dual streams								
Frame Rate	30 fps at 1280 x 1024	30 fps at 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								
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 GV-BX220D-3	2.8 ~ 6mm 2.8 ~ 12mm	GV-BX320D-0 GV-BX320D-1	3.1 ~ 8 mm 2.8 ~ 6 mm	4.5 ~ 10 mm
Maximum Aperture	F/1.4		F/1.5	F/1.4	GV-BX220D-2 GV-BX220D-3	F/1.3 F/1.4	GV-BX320D-0 GV-BX320D-1	F/1.2 F/1.3	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			Manual(w/lock)	
Mechanical									
Temperature Detector	Yes								
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	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/SDHC/SDXC memory card slot (for Class 6 card or above)							
	TV-Out	BNC connector (640 x 480 resolution)							
LED Indicator	2 LEDs: Power, Status								
General									
Environment									
Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)								
Humidity	10% to 90% (no condensation)								
Power Source	12V DC / PoE(IEEE802.3af)								
Max. Power Consumption	7 W								
Regulatory	CE, FCC, C-Tick, RoHS compliant								
Dimensions (L X W X H) (Without lens)	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")								
Weight	321 g (0.71 lb)								

### Note:

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



## Box Camera Specifications (Part 2)




	GV-BX1200 Series		GV-BX1300 Series		GV-BX2400 Series		GV-BX3400 Series		GV-BX5300						
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens						
<b>Camera</b>															
<b>Image Sensor</b>	1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS		1/3.2" progressive scan CMOS				1/2.5" progressive scan CMOS						
<b>Picture Elements</b>	1280 (H) x 1024 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)						
<b>Minimum Illumination</b>	<b>Color</b>	0.05 Lux		0.15 Lux		0.08 Lux		0.15 Lux at F/1.6							
	<b>B/W</b>	0.03 Lux		0.10 Lux		0.05 Lux		0.10 Lux at F/1.6							
	<b>IR ON</b>	0 Lux													
<b>Shutter Speed</b>	Auto, Manual (1/5 ~ 1/8000 sec)														
<b>White Balance</b>	Auto, Manual (2800K ~ 8500K)														
<b>Gain Control</b>	Automatic														
<b>S/N Ratio</b>	50 dB		45 dB		47 dB				45 dB						
<b>WDR Pro</b>			N/A				Yes (with WDR sensor)		N/A						
<b>Operation</b>															
<b>Video Compression</b>	H.264, MJPEG														
<b>Video Streaming</b>	Dual streams														
<b>Frame Rate</b>	30 fps at 1280 x 1024				30 fps at 1920 x 1080		20 fps at 2048 x 1536 30 fps at 1920 x 1080		10 fps at 2560 x 1920						
<b>Audio Compression</b>	G.711														
<b>Sensor Input</b>	1 input (Dry Contact)														
<b>Alarm Output</b>	1 Digital Output (200mA 5V DC)														
<b>Optical Lens</b>															
<b>Megapixel</b>	Yes														
<b>Day/Night</b>	Yes (with removable IR-cut filter)														
<b>Lens Type</b>	Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Varifocal Lens						
<b>Focal Length</b>	BX1200-0F	4 mm	2.8 ~ 12 mm	BX1300-0F	4 mm	2.8 ~ 12 mm	BX2400-0F	4 mm	BX2400-3V	2.8 ~ 12 mm	BX3400-0F	4 mm	BX3400-4V	3 ~ 10.5 mm	4.5 ~ 10 mm
	BX1200-1F	8 mm		BX1300-1F	8 mm		BX2400-1F	8 mm	BX2400-4V	3 ~ 10.5 mm	BX3400-1F	8 mm	BX3400-5V	2.8 ~ 6 mm	
	BX1200-2F	12 mm		BX1300-2F	12 mm		BX2400-2F	12 mm	BX3400-2F	12 mm	BX3400-2F	12 mm			
<b>Maximum Aperture</b>	BX1200-0F	F/1.5	F/1.4	BX1300-0F	F/1.5	F/1.4	BX2400-0F	F/1.5	BX2400-3V	F/1.4	BX3400-0F	F/1.5	BX3400-4V	F/1.4	F/1.6
	BX1200-1F	F/1.6		BX1300-1F	F/1.6		BX2400-1F	F/1.6	BX3400-1F	F/1.6	BX3400-1F	F/1.6	BX3400-5V	F/1.3	
	BX1200-2F			BX1300-2F			BX2400-2F		BX3400-2F		BX3400-2F				
<b>Mount</b>	CS Mount														
<b>Image Format</b>	BX1200-0F	1/3"	1/3"	BX1300-0F	1/3"	1/3"	BX2400-0F	1/3"	BX2400-3V	1/3"	BX3400-0F	1/3"	BX3400-4V	1/2.7"	1/2"
	BX1200-1F			BX1300-1F			BX2400-1F		BX2400-4V	1/2.7"	BX3400-1F	1/2.5"	BX3400-5V	1/3"	
	BX1200-2F	1/2.5"		BX1300-2F	1/2.5"		BX2400-2F	1/2.5"	BX3400-2F	1/2.5"					
<b>Operation</b>	<b>Focus</b>	manual w/lock													
	<b>Zoom</b>	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)						
	<b>Iris</b>	Fixed	DC drive	Fixed	DC drive	Fixed	DC drive	Fixed	DC drive	Manual (w/lock)					
<b>Mechanical</b>															
<b>Temperature Detector</b>	Yes														
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE													
	<b>Ethernet</b>	RJ-45 Connector													
	<b>Audio</b>	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")													
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm / 0.1"													
	<b>Auto Iris</b>	Yes								Not functional					
	<b>Local Storage*</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)													
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)													
<b>Mini USB</b>	Yes (for GV-WiFi Adapter)														
<b>LED Indicator</b>	2 LEDs: Power, Status														
<b>General</b>															
<b>Environment Temperature</b>	0 °C ~ 50 °C (32 °F ~ 122 °F)														
<b>Humidity</b>	10% to 90% (no condensation)														
<b>Power Source</b>	12V DC / PoE (IEEE802.3af Class 3)														
<b>Max. Power Consumption</b>	9.5 W														
<b>Regulatory</b>	CE, FCC, C-Tick, RoHS compliant														
<b>Dimensions (L X W X H) (Without lens)</b>	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")														
<b>Weight</b>	300 g (0.66 lb)														

**Note:**

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



## Ultra Box Camera Specifications





	GV-UBX1301 Series Fixed Lens		GV-UBX2301 Series Fixed Lens		GV-UBX3301 Series Fixed Lens	
						
<b>Camera</b>						
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 at F/1.6			
	B/W		0 Lux at F/1.6			
	IR ON		0 Lux at F/1.6			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance	Auto, Manual (2800K ~ 8500K)					
Gain Control	Automatic					
S/N Ratio	45dB					
<b>Operation</b>						
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					
<b>Optical Lens</b>						
Megapixel	Yes					
Day/Night	Yes (with removable IR-cut filter)					
Lens Type	Fixed					
Focal Length	GV-UBX1301-0F	3 mm	GV-UBX1301-0F	3 mm	GV-UBX1301-0F	3 mm
	GV-UBX1301-1F	4 mm	GV-UBX2301-1F	4 mm	GV-UBX2301-1F	4 mm
	GV-UBX1301-2F	8 mm	GV-UBX3301-2F	8 mm	GV-UBX3301-2F	8 mm
Maximum Aperture	F/1.6					
Mount	M12, Pitch 0.5 mm					
Image Format	1/3"					
Operation	Focus		Fixed			
	Zoom		Fixed			
	Iris		Fixed			
IR LED Quantity	4					
Max. IR Distance	10 m (32.81 ft.)					
<b>Mechanical</b>						
Temperature Detector	Yes					
Connectors	Power		2-pin terminal block, PoE			
	Ethernet		RJ-45 Connector			
	Audio		1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")			
	Local Storage*		Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
LED Indicator	2 LEDs: Power, Status					
<b>General</b>						
Environment Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)					
Humidity	10% to 90% (no condensation)					
Power Source	5V DC / PoE					
Max. Power Consumption	6.5 W					
Regulatory	CE, FCC, C-Tick, RoHS compliant					
Dimensions (L X W X H) (Without lens)	95 x 45 x 40 mm (3.7" x 1.8" x 1.6")					
Weight	120 g (0.26 lb)					

**Note:**

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



## IR Arctic Box Camera Specifications (Part 1)





		GV-BX120D-E	GV-BX220D-E	GV-BX320D-E	GV-BX520D-E
					
<b>Camera</b>					
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS	
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux at F/1.4	0.5 Lux at F/1.3		0.5 Lux at F/1.6
	<b>B/W</b>	0.04 Lux at F/1.4	0.1 Lux at F/1.3		0.1 Lux at F/1.6
	<b>IR ON</b>		0 Lux		
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		50 dB	45 dB		
<b>Operation</b>					
<b>Video Compression</b>		H.264, MJPEG			
<b>Video Streaming</b>		Dual streams			
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711			
<b>Optical Lens</b>					
<b>Megapixel</b>		Yes			
<b>Day/Night</b>		Yes (with removable IR-cut filter)			
<b>Lens Type</b>		Varifocal Lens			
<b>Focal Length</b>		2.8 ~ 12 mm	2.8 ~ 6 mm		4.5 ~ 10 mm
<b>Maximum Aperture</b>		F/1.4	F/1.3		F/1.6
<b>Mount</b>		CS Mount			
<b>Image Format</b>		1/3"			1/2"
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)			
	<b>Zoom</b>	Manual (w/lock)			
	<b>Iris</b>	DC drive			Manual (w/lock)
<b>IR LED Quantity</b>		4 IR LEDs			
<b>Max. IR Distance</b>		15 m (50 ft.)			
<b>Mechanical</b>					
<b>Camera</b>	<b>Pan</b>	0° ~ 330°			
<b>Angle</b>	<b>Tilt</b>	0° ~ 90°			
<b>Adjustment</b>	<b>Rotate</b>	No			
<b>Temperature</b>	<b>Detector</b>	Yes			
<b>Connectors</b>	<b>Power</b>	PoE			
	<b>Ethernet</b>	RJ-45 Connector			
	<b>Audio</b>	1 In (external microphone)			
		1 Out (Stereo phone jack, 3.5 mm / 0.14")			
	<b>Auto Iris</b>	DC drive			Not functional
<b>TV-Out</b>	BNC connector (640 x 480 resolution)				
<b>LED Indicator</b>		2 LEDs: Power, Status			
<b>General</b>					
<b>Environment Temperature</b>		-40 °C ~ 50 °C (-40 °F ~ 122 °F)			
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		PoE (IEEE 802.3 at)			
<b>Max. Power Consumption</b>		24 W			
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant			
<b>Dimensions (L X W X H) (Without lens)</b>		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			
<b>Weight</b>		3.2 Kg (7.1 lb)			
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		IK10 for metal casing			

**Note:**

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- Memory card slot (local storage) is not supported in Argentina.



## IR Arctic Box Camera Specifications (Part 2)





		GV-BX1500-E (Coming)	GV-BX2400-E (Coming)	GV-BX3400-E (Coming)	GV-BX5300-E (Coming)
					
<b>Camera</b>					
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux at F/1.4	0.08 Lux at F/1.4		0.5 Lux at F/1.6
	<b>B/W</b>	0.04 Lux at F/1.4	0.05 Lux at F/1.4		0.1 Lux at F/1.6
	<b>IR ON</b>	0 Lux			
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		55 dB	47 dB		45 dB
<b>WDR Pro</b>		N/A	Yes		N/A
<b>Operation</b>					
<b>Video Compression</b>		H.264, MJPEG			
<b>Video Streaming</b>		Dual streams			
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711			
<b>Optical Lens</b>					
<b>Megapixel</b>		Yes			
<b>Day/Night</b>		Yes (with removable IR-cut filter)			
<b>Lens Type</b>		Varifocal Lens			
<b>Focal Length</b>		3 ~ 10.5 mm			4.5 ~ 10 mm
<b>Maximum Aperture</b>		F/1.4			F/1.6
<b>Mount</b>		CS Mount			
<b>Image Format</b>		1/2.7"			1/2"
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)			
	<b>Zoom</b>	Manual (w/lock)			
	<b>Iris</b>	DC drive			Manual (w/lock)
<b>IR LED Quantity</b>		4 IR LEDs			
<b>Max. IR Distance</b>		15 m (50 ft.)			
<b>Mechanical</b>					
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 330°			
	<b>Tilt</b>	0° ~ 90°			
	<b>Rotate</b>	No			
<b>Temperature Detector</b>		Yes			
<b>Connectors</b>	<b>Power</b>	PoE			
	<b>Ethernet</b>	RJ-45 Connector			
	<b>Audio</b>	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")			
	<b>Auto Iris</b>	DC drive			Not functional
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)			
<b>LED Indicator</b>		2 LEDs: Power, Status			
<b>General</b>					
<b>Environment</b>	<b>Start-up</b>	-30 °C ~ 50 °C (-22°F ~ 122°F)			
<b>Temperature</b>	<b>Operation</b>	-40 °C ~ 50 °C (-40°F ~ 122°F)			
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		PoE (IEEE 802.3 at)			
<b>Max. Power Consumption</b>		24 W	23 W		21.6 W
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant			
<b>Dimensions (L X W X H) (Without lens)</b>		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")			
<b>Weight</b>		3.2 Kg (7.1 lb)			
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		IK10 for metal casing			

**Note:**

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



## Bullet Camera Specifications (Part 1)





	GV-BL120D	GV-BL130D	GV-BL220D	GV-BL320D
				
<b>Camera</b>	1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS	
<b>Image Sensor</b>	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Picture Elements</b>	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	0.15Lux (1/30 sec), 0.08Lux (1/5 sec)	0.5 Lux at F/1.3	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)	
<b>Color</b>	0 Lux			
<b>B/W</b>	0 Lux			
<b>IR ON</b>	0 Lux			
<b>Shutter Speed</b>	Auto, Manual (1/5 ~ 1/8000sec)			
<b>White Balance</b>	Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>	Automatic			
<b>S/N Ratio</b>	50 dB	45 dB		
<b>Operation</b>				
<b>Video Compression</b>	H.264, MJPEG			
<b>Video Streaming</b>	Dual streams			
<b>Frame Rate</b>	30 fps at 1280 x 1024		30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio Compression</b>	G.711			
<b>Sensor Input</b>	1 input (Dry Contact)			
<b>Alarm Output</b>	1 digital output (200mA 5V DC)			
<b>Optical Lens</b>				
<b>Megapixel</b>	Yes			
<b>Day/Night</b>	Yes (with removable IR-cut filter)			
<b>Lens Type</b>	Varifocal Lens			
<b>Focal Length</b>	3 ~ 9 mm			
<b>Maximum Aperture</b>	F/1.2			
<b>Mount</b>	Ø14 mm			
<b>Image Format</b>	1/2.7"			
<b>Focus</b>	Manual (w/lock)			
<b>Zoom</b>	Manual (w/lock)			
<b>Iris</b>	DC drive			
<b>IR LED Quantity</b>	16 IR LEDs			
<b>Max. IR Distance</b>	15 m (50 ft.)			
<b>Mechanical</b>				
<b>Pan</b>	0° ~ 360°			
<b>Tilt</b>	90° ~ 180°			
<b>Rotate</b>	0° ~ 360°			
<b>Detector</b>	Yes			
<b>Power</b>	2-pin terminal block, PoE			
<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Cable			
<b>Audio</b>	1 In (RCA female for microphone); 1 Out (RCA female for speaker)			
<b>Digital I/O</b>	I/O Wire			
<b>Auto Iris</b>	DC drive			
<b>Local Storage*</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
<b>General</b>				
<b>Environment Temperature</b>	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
<b>Humidity</b>	10% to 90% (no condensation)			
<b>Power Source</b>	12V DC / 24V AC / PoE (IEEE802.3af)			
<b>Max. Power Consumption</b>	12W			
<b>Regulatory</b>	CE, FCC, C-Tick, RoHS compliant			
<b>Camera Body</b>	277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")			
<b>Cable Length</b>	1 m (3.28 ft.)			
<b>Max. Cable Diameter</b>	Ø 7.1 mm (0.28")			
<b>Max. Connector Diameter</b>	Ø 25.2 mm (0.99")			
<b>Weight</b>	1.35 kg (2.98 lb)			
<b>Ingress Protection</b>	IP66			

**Note:**

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



## Bullet Camera Specifications (Part 2)

		GV-BL1200	GV-BL1300	GV-BL2400	GV-BL3400
					
<b>Camera</b>					
<b>Image Sensor</b>		1/2.5" progressive scan CMOS		1/3.2" progressive scan CMOS	
<b>Picture Elements</b>		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>		0.05 Lux at F/1.2		0.08 Lux at F/1.2	
<b>Color</b>					
<b>B/W</b>					
<b>IR ON</b>					
<b>Shutter Speed</b>				Auto, Manual (1/5 ~ 1/8000sec)	
<b>White Balance</b>				Auto, Manual (2800K ~ 8500K)	
<b>Gain Control</b>				Automatic	
<b>S/N Ratio</b>		50 dB		47 dB	
<b>WDR Pro</b>		N/A		Yes (with WDR sensor)	
<b>Operation</b>					
<b>Video Compression</b>				H.264, MJPEG	
<b>Video Streaming</b>				Dual streams	
<b>Frame Rate</b>		30 fps at 1280 x 1024		30 fps at 1920 x 1080	
<b>Audio Compression</b>				G.711	
<b>Sensor Input</b>				1 input (Dry Contact)	
<b>Alarm Output</b>				1 digital output (200mA 5V DC)	
<b>Optical Lens</b>					
<b>Megapixel</b>				Yes	
<b>Day/Night</b>				Yes (with removable IR-cut filter)	
<b>Lens Type</b>				Varifocal Lens	
<b>Focal Length</b>				3 ~ 9 mm	
<b>Maximum Aperture</b>				F/1.2	
<b>Mount</b>				Ø14 mm	
<b>Image Format</b>				1/2.7"	
<b>Focus</b>				Manual (w/lock)	
<b>Zoom</b>				Manual (w/lock)	
<b>Iris</b>				DC drive	
<b>IR LED Quantity</b>				16 IR LEDs	
<b>Max. IR Distance</b>				15 m (50 ft.)	
<b>Mechanical</b>					
<b>Camera Angle Adjustment</b>		<b>Pan</b>		0° ~ 360°	
		<b>Tilt</b>		90° ~ 180°	
		<b>Rotate</b>		0° ~ 360°	
<b>Temperature Detector</b>				Yes	
<b>Power</b>				2-pin terminal block, PoE	
<b>Ethernet</b>				RJ-45	
<b>Audio</b>				1 In (RCA female for microphone); 1 Out (RCA female for speaker)	
<b>Digital I/O</b>				I/O Wire	
<b>Auto Iris</b>				DC Drive	
<b>Local Storage*</b>				Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)	
<b>General</b>					
<b>Environment Temperature</b>				-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
<b>Humidity</b>				10% to 90% (no condensation)	
<b>Power Source</b>				12V DC / 24V AC / PoE (IEEE802.3af)	
<b>Max. Power Consumption</b>		6.72 W		7.2 W	
<b>Regulatory</b>				CE, FCC, C-Tick, RoHS compliant	
<b>Camera Body</b>				277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")	
<b>Cable Length</b>				1 m (3.28 ft.)	
<b>Max. Cable Diameter</b>				Ø 7.1 mm (0.28")	
<b>Max. Connector Diameter</b>				Ø 25.2 mm (0.99")	
<b>Weight</b>				1.35 kg (2.98 lb)	
<b>Ingress Protection</b>				IP67	
<b>Vandal Resistance</b>				IK10 for metal casing	





**Note:**

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





## Bullet Camera Specifications (Part 3)







		GV-BL1210	GV-BL2410	GV-BL3410	GV-BL5310
					
<b>Camera</b>					
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS		1/3.2" progressive scan CMOS	
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.05Lux at F/1.2		0.08 Lux at F/1.2	
	<b>B/W</b>			0 Lux at F/1.2	
	<b>IR ON</b>			0 Lux at F/1.2	
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000sec)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		50 dB	47 dB		45 dB
<b>WDR Pro</b>		N/A	Yes (with WDR sensor)		N/A
<b>Operation</b>					
<b>Video Compression</b>		H.264, MJPEG			
<b>Video Streaming</b>		Dual streams			
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711			
<b>Sensor Input</b>		1 input (Dry Contact)			
<b>Alarm Output</b>		1 digital output (200mA 5V DC)			
<b>Optical Lens</b>					
<b>Megapixel</b>		Yes			
<b>Day/Night</b>		Yes (with removable IR-cut filter)			
<b>Lens Type</b>		Motorized Varifocal Lens			
<b>Focal Length</b>		3 ~ 9 mm			4.5 ~ 9 mm
<b>Maximum Aperture</b>		F/1.2			
<b>Mount</b>		Ø14 mm			
<b>Image Format</b>		1/2.7"			
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	3X Optical Zoom			2X Optical Zoom
	<b>Iris</b>	DC drive			
<b>IR LED Quantity</b>		16 IR LEDs			
<b>Max. IR Distance</b>		15 m (50 ft.)			
<b>Mechanical</b>					
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 360°			
	<b>Tilt</b>	90° ~ 180°			
	<b>Rotate</b>	0° ~ 360°			
<b>Temperature Detector</b>		Yes			
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable			
	<b>Audio</b>	1 In (RCA female for microphone); 1 Out (RCA female for speaker)			
	<b>Digital I/O</b>	I/O Wire			
	<b>Auto Iris</b>	DC drive			
<b>Local Storage*</b>		Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
<b>General</b>					
<b>Environment Temperature</b>		-10 °C ~ 50 °C (-14 °F ~ 122 °F)			
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)			
<b>Max. Power Consumption</b>		11.52 W			12.48 W
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant			
<b>Dimensions</b>	<b>Camera Body</b>	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")			
	<b>Cable Length</b>	1 m (3.28 ft)			
	<b>Max. Cable Diameter</b>	Ø 7.1 mm (0.28")			
	<b>Max. Connector Diameter</b>	Ø 25.2 mm (0.99")			
<b>Weight</b>		1.4 Kg (3.08 lb)			
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		IK10 for metal casing			

**Note:**

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



## Ultra Bullet Camera Specifications






	GV-UBL 1211	GV-UBL2411	GV-UBL3411	GV-UBL1301 Series	GV-UBL2401 Series	GV-UBL3401 Series			
									
<b>Camera</b>									
Image Sensor	1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS				
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)			
Minimum Illumination	Color	0.08 Lux at F/1.2		0.15 Lux at F/1.6	0.08 Lux at F/1.6				
	B/W	0 Lux at F/1.2			0 Lux at F/1.6				
IR ON	0 Lux at F/1.2			0 Lux at F/1.6					
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)								
White Balance	Auto, Manual (2800K ~ 8500K)								
Gain Control	Automatic								
S/N Ratio	50 dB	47 dB		45 dB	47 dB				
WDR Pro	N/A	Yes (with WDR sensor)		N/A	Yes (with WDR sensor)				
<b>Operation</b>									
Video Compression	H.264, MJPEG								
Video Streaming	Dual streams								
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536			
Sensor Input	1 input (Dry Contact)								
Alarm Output	1 digital output (200mA 5V DC)								
<b>Optical Lens</b>									
Megapixel	Yes								
Day/Night	Yes (with removable IR-cut filter)								
Lens Type	Motorized Varifocal Lens			Fixed Lens					
Focal Length	3~9 mm			GV-UBL1301-0F	3 mm	GV-UBL2401-0F	3 mm		
				GV-UBL1301-1F	4 mm	GV-UBL2401-1F	4 mm	GV-UBL3401-1F	4 mm
				GV-UBL1301-2F	8 mm	GV-UBL2401-2F	8 mm	GV-UBL3401-2F	8 mm
				GV-UBL1301-3F	12 mm	GV-UBL2401-3F	12 mm	GV-UBL3401-3F	12 mm
Maximum Aperture	F/1.2			F/1.6					
Mount	Ø14 mm			M12					
Image Format	1/2.7"			1/3"					
Operation	Focus	Auto Focus			Fixed				
	Zoom	3X Optical Zoom			Fixed				
	Iris	DC Drive			Fixed				
IR LED Quantity	4 IR LEDs								
Max. IR Distance	10 m (32.81 ft.)								
<b>Mechanical</b>									
Temperature Detector	Yes								
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	RJ-45 Cable							
	Digital I/O	I/O Wire							
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)							
<b>General</b>									
Environment	Start-up	-10 °C ~ 45 °C (14 °F ~ 113 °F)		-20 °C ~ 45 °C (-4 °F ~ 113 °F)		-20 °C ~ 45 °C (-4 °F ~ 113 °F)			
Temperature	Operation			-30 °C ~ 45 °C (-22 °F ~ 113 °F)					
Humidity	10% to 90% (no condensation)								
Power Source	5V DC / PoE								
Max. Power Consumption	6.94W			5.52W					
Regulatory	CE, FCC, C-Tick, RoHS compliant								
Dimensions	149 x 65 x 69 mm (5.9" x 2.6" x 2.7")			124 x 65 x 69 mm (4.9" x 2.6" x 2.7")					
Weight	850 g (1.9 lb)			730 g (1.6 lb)					
Ingress Protection	IP67								
Vandal Resistance	IK10 for metal casing								

**Note:**

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



## Vandal Proof Dome Specifications








		GV-VD120D (IK10+, Transparent Cover) GV-VD121D (IK10+, Smoked Cover) GV-VD122D (IK7, Transparent Cover) GV-VD123D (IK7, Smoked Cover)	GV-VD220D (IK10+, Transparent Cover) GV-VD221D (IK10+, Smoked Cover) GV-VD222D (IK7, Transparent Cover) GV-VD223D (IK7, Smoked Cover)	GV-VD320D (IK10+, Transparent Cover) GV-VD321D (IK10+, Smoked Cover) GV-VD322D (IK7, Transparent Cover) GV-VD323D (IK7, Smoked Cover)	GV-VD2400 (Coming)	GV-VD3400 (Coming)
						
<b>Camera</b>						
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS		1/3" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)		1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		0.08 Lux at F/1.2
	<b>B/W</b>	0 Lux				
	<b>IR ON</b>	0 Lux				
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)				
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				
<b>Gain Control</b>		Automatic				
<b>S/N Ratio</b>		50 dB		45 dB		47 dB
<b>WDR Pro</b>		N/A				Yes
<b>Operation</b>						
<b>Video Compression</b>		H.264, MJPEG				
<b>Video Streaming</b>		Dual streams				
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio Compression</b>		G.711				
<b>Sensor Input</b>		1 Input (Dry Contact)				
<b>Alarm Output</b>		1 Digital output (200mA 5V DC)				
<b>Optical Lens</b>						
<b>Megapixel</b>		Yes				
<b>Day/Night</b>		Yes (with removable IR-cut filter)				
<b>Lens Type</b>		Varifocal Lens				
<b>Focal Length</b>		3 ~ 9 mm				
<b>Maximum Aperture</b>		F/1.3				F/1.2
<b>Mount</b>		Ø14 mm				
<b>Image Format</b>		1/3"			1/2.7"	
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)				
	<b>Zoom</b>	Manual (w/lock)				
	<b>Iris</b>	DC drive				
<b>IR LED Quantity</b>		10 IR LEDs				
<b>Max. IR Distance</b>		15 m (50 ft.)				
<b>Mechanical</b>						
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 350°				
	<b>Tilt</b>	10° ~ 90°				
	<b>Rotate</b>	0° ~ 340°				
<b>Temperature Detector</b>		Yes				
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE				
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Cable				
	<b>Audio</b>	1 In (RCA female for microphone)				
		1 Out (RCA female for speaker)				
	<b>Digital I/O</b>	I/O Wire				
	<b>Auto Iris</b>	DC drive				
<b>Local Storage*</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)					
<b>TV-Out</b>	BNC connector (640 x 480 resolution)					
<b>General</b>						
<b>Environment Temperature</b>		-30 °C ~ 50 °C (-22 °F ~ 122 °F)				
<b>Humidity</b>		10% to 90% (no condensation)				
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)				
<b>Max. Power Consumption</b>		12W				
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant				
<b>Dimensions</b>	<b>Camera Body</b>	Ø 165 x 125 mm (6.49" x 4.92")				
	<b>Cable Length</b>	1 m (3.28 ft.)				
	<b>Cable Diameter</b>	Ø 16.7 mm (0.66")				
	<b>Max. Connector Diameter</b>	Ø 16.7 mm (0.66")				
<b>Weight</b>		1.7 kg (3.75 lb)				
<b>Ingress Protection</b>		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.



## Fixed Dome Specifications (Part 1)




		GV-FD120D	GV-FD220D	GV-FD320D	GV-FD1200	GV-FD2400	GV-FD3400	GV-FD5300
								
<b>Camera</b>								
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS		1/2.5" progressive scan CMOS		1/2.5" progressive scan low lux CMOS		1/3" progressive scan CMOS
<b>Picture Elements</b>		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)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)		1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		0.05 Lux at F/1.2		0.08 Lux at F/1.2
	<b>B/W</b>	0 Lux						
	<b>IR ON</b>	0 Lux						
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)						
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)						
<b>Gain Control</b>		Automatic						
<b>S/N Ratio</b>		50 dB		45 dB		50 dB		47 dB 45 dB
<b>WDR Pro</b>		N/A		N/A		Yes		N/A
<b>Operation</b>								
<b>Video Compression</b>		H.264, MJPEG						
<b>Video Streaming</b>		Dual streams						
<b>Frame Rate</b>		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 10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711						
<b>Sensor Input</b>		1 Input (Dry Contact)						
<b>Alarm Output</b>		1 Digital output (200mA 5V DC)						
<b>Optical Lens</b>								
<b>Megapixel</b>		Yes						
<b>Day/Night</b>		Yes (with removable IR-cut filter)						
<b>Lens Type</b>		Varifocal Lens						
<b>Focal Length</b>		3 ~ 9 mm						4.5 ~ 10 mm
<b>Maximum Aperture</b>		F/1.3 ± 5%				F/1.2		F/1.6
<b>Mount</b>		Ø14 mm						CS Mount
<b>Image Format</b>		1/3"				1/2.7"		1/2.5"
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)						
	<b>Zoom</b>	Manual (w/lock)						
	<b>Iris</b>	DC drive						
<b>IR LED Quantity</b>		10 IR LEDs						
<b>Max. IR Distance</b>		15 m (50 ft.)						
<b>Mechanical</b>								
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 350°						
	<b>Tilt</b>	10° ~ 90°						
	<b>Rotate</b>	0° ~ 340°						
<b>Temperature Detector</b>		Yes						
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE						
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Cable						
	<b>Audio</b>	1 In (microphone phone jack, 3.5mm / 0.14")						
		1 Out (Stereo phone jack, 3.5mm / 0.14")						
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm						
<b>Local Storage*</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)							
<b>TV-Out</b>	BNC connector (640 x 480 resolution)							
<b>General</b>								
<b>Environment Temperature</b>		0 °C ~ 50 °C / 32 °F ~ 122 °F						
<b>Humidity</b>		10% to 90% (no condensation)						
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)						
<b>Max. Power Consumption</b>		12W						
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant						
<b>Dimension</b>		Ø 155 x 110 mm (6.1" x 4.33")						
<b>Weight</b>		580 g (1.28 lb)						
<b>Vandal Resistance</b>		IK7						

**Note:**

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



## Fixed Dome Specifications (Part 2)





		GV-FD1210	GV-FD2410	GV-FD3410
				
<b>Camera</b>				
<b>Image Sensor</b>		1/2.5" progressive scan low lux CMOS		1/3" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.05 Lux at F1.2		0.08 Lux at F/1.2
	<b>B/W</b>	0 Lux		
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)		
<b>Gain Control</b>		Automatic		
<b>S/N Ratio</b>		50 dB		47 dB
<b>Operation</b>				
<b>Video Compression</b>		H.264, MJPEG		
<b>Video Streaming</b>		Dual streams		
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio Compression</b>		G.711		
<b>Sensor Input</b>		1 Input (Dry Contact)		
<b>Alarm Output</b>		1 Digital output (200mA 5V DC)		
<b>Optical Lens</b>				
<b>Megapixel</b>		Yes		
<b>Day/Night</b>		Yes (with removable IR-cut filter)		
<b>Lens Type</b>		Motorized Varifocal Lens		
<b>Focal Length</b>		3 ~ 9 mm		
<b>Maximum Aperture</b>		F/1.2		
<b>Mount</b>		Ø14 mm		
<b>Image Format</b>		1/2.7"		
<b>Operation</b>	<b>Focus</b>	Auto Focus		
	<b>Zoom</b>	3X Optical Zoom		
	<b>Iris</b>	DC drive		
<b>IR LED Quantity</b>		10 IR LEDs		
<b>Max. IR Distance</b>		15 m (50 ft.)		
<b>Mechanical</b>				
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 350°		
	<b>Tilt</b>	10° ~ 90°		
	<b>Rotate</b>	0° ~ 340°		
<b>Temperature Detector</b>		Yes		
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Cable		
	<b>Audio</b>	1 In (microphone phone jack, 3.5mm / 0.14") 1 Out (Stereo phone jack, 3.5mm / 0.14")		
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm		
	<b>Local Storage*</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)		
<b>TV-Out</b>	BNC connector (640 x 480 resolution)			
<b>General</b>				
<b>Environment Temperature</b>		0 °C ~ 50 °C / 32 °F ~ 122 °F		
<b>Humidity</b>		10% to 90% (no condensation)		
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)		
<b>Max. Power Consumption</b>		12W		
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant		
<b>Dimension</b>		ø 155 x 110 mm (6.1" x 4.33")		
<b>Weight</b>		580 g (1.28 lb)		
<b>Vandal Resistance</b>		IK7		

**Note:**

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



## Cube Camera Specifications





		GV-CB120	GV-CB220	GV-CBW120	GV-CBW220
					
<b>Camera</b>					
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	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)			
	B/W	N/A			
	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			
<b>Operation</b>					
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			
<b>Optical Lens</b>					
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"			
Operation	Focus	Fixed			
	Zoom				
	Iris				
<b>Mechanical</b>					
Connectors	Power	DC Jack			
	Ethernet	RJ-45 Connector			
	Audio	built-in microphone and speaker			
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
LED Indicator		2 LEDs: Status, LAN			
Wireless LAN		No		IEEE 802.11 b/g/n	
<b>General</b>					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)		0 °C ~ 40 °C (32 °F ~ 104 °F)	
Humidity		10% to 90% (no condensation)			
Power Source		Two models: 5V and 12V DC		5V DC	
Max. Power Consumption		Two models: 3.2W (for 5V model) and 4W (for 12V model)		3.2W	
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions		60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")			
Weight		80 g (0.18 lb)		70 g (0.15 lb)	

**Note:**

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- For GV-CBW120 / CBW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
- Be sure to use the supplied power adapter to power up the camera. To use your own power cable, make sure you look up the power source value indicated at the camera's back panel.
- Memory card slot (local storage) is not supported in Argentina.



## Advanced Cube Camera Specifications






		GV-CA120	GV-CA220	GV-CAW120	GV-CAW220
					
<b>Camera</b>					
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	1 Lux at F/2.4			
	B/W	0.5 Lux at F/2.4			
	IR ON	0.1 Lux at F/2.4			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		45 dB			
<b>Operation</b>					
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			
<b>Optical Lens</b>					
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"			
Operation	Focus	Fixed			
	Zoom				
	Iris				
<b>Mechanical</b>					
Connectors	Power	DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220)			
	Ethernet	RJ-45 Connector			
	Audio	built-in microphone and speaker			
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
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.)			
<b>General</b>					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		5V DC and PoE		5V DC	
Max. Power Consumption		7 W		6 W	
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions (LxWxH)		65.8 x 99.8 x 39 mm (2.59" x 3.92" x 1.54")			
Weight		100 g (0.2 lb)			

**Note:**

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



## Mini Fixed Dome Specifications

		GV-MFD120	GV-MFD130	GV-MFD220	GV-MFD320	GV-MFD520
						
<b>Camera</b>						
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS	1/3" progressive scan CMOS	1/2.5" progressive scan CMOS		
<b>Picture Elements</b>		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux at F/1.5		0.5 Lux at F/2.8		
	<b>B/W</b>					
	<b>IR ON</b>	N/A				
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)				
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				
<b>Gain Control</b>		Automatic				
<b>S/N Ratio</b>		50 dB			45 dB	
<b>Operation</b>						
<b>Video Compression</b>		H.264, MJPEG				
<b>Video Streaming</b>		Dual streams				
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711				
<b>Optical Lens</b>						
<b>Megapixel</b>		Yes				
<b>Day/Night</b>		Yes (electronic)				
<b>Lens Type</b>		Fixed Lens				
<b>Focal Length</b>		4.05 mm		2.54 mm		
<b>Maximum Aperture</b>		F/1.5		F/2.8		
<b>Mount</b>		M12, Pitch 0.5 mm				
<b>Image Format</b>		1/3"		1/2.5"		
<b>Operation</b>	<b>Focus</b>					
	<b>Zoom</b>	Fixed				
	<b>Iris</b>					
<b>Mechanical</b>						
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°				
	<b>Tilt</b>	0° ~ 90°				
<b>Temperature Detector</b>		Yes				
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE				
	<b>Ethernet</b>	RJ-45 Connector				
	<b>Audio</b>	built-in microphone				
	<b>Local Storage*</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)				
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status				
<b>General</b>						
<b>Environment Temperature</b>		0 °C ~ 50 °C (32 °F ~ 122 °F)				
<b>Humidity</b>		10% to 90% (no condensation)				
<b>Power Source</b>		12V DC / PoE (IEEE802.3af)				
<b>Max. Power Consumption</b>		4.5 W		5.5 W		6 W
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant				
<b>Dimensions</b>	<b>Camera Body</b>	ø 106 x 55.6 mm (4.2" x 2.2")				
	<b>Cable Length</b>	1 m (3.28 ft.)				
	<b>Cable Diameter</b>	ø 8 mm (0.31")				
	<b>Max. Connector Diameter</b>	ø 28.5 mm (1.12")				
	<b>Weight</b>	275 g (0.61 lb)		280 g (0.62 lb)		







**Note:**

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





## Mini Fixed Rugged Dome Specifications






		GV-MDR120	GV-MDR220	GV-MDR2400	GV-MDR3400	GV-MDR320	GV-MDR520
							
<b>Camera</b>							
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS	
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux at F/1.5	0.5 Lux at F/2.8	0.08 Lux		0.5 Lux at F/2.8	
	<b>B/W</b>			0.05 Lux			
	<b>IR ON</b>			N/A			
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)					
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)					
<b>Gain Control</b>		Automatic					
<b>S/N Ratio</b>		50 dB	45 dB	47 dB		45 dB	
<b>WDR Pro</b>		N/A		Yes (with WDR sensor)		N/A	
<b>Operation</b>							
<b>Video Compression</b>		H.264, MJPEG					
<b>Video Streaming</b>		Dual streams					
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536		10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711					
<b>Optical Lens</b>							
<b>Megapixel</b>		Yes					
<b>Day/Night</b>		Yes (electronic)					
<b>Lens Type</b>		Fixed Lens					
<b>Focal Length</b>		4.05 mm	2.54 mm	GV-MDR2400-0F	4 mm	GV-MDR2400-0F	4 mm
				GV-MDR2400-1F	8 mm	GV-MDR2400-1F	8 mm
				GV-MDR2400-2F	12 mm	GV-MDR2400-2F	12 mm
<b>Maximum Aperture</b>		F/1.5	F/2.8	GV-MDR2400-0F	F/1.5	GV-MDR2400-0F	F/1.5
				GV-MDR2400-1F	F/1.6	GV-MDR2400-1F	F/1.6
				GV-MDR2400-2F		GV-MDR2400-2F	
<b>Mount</b>		M12, Pitch 0.5 mm					
<b>Image Format</b>		1/3"	1/2.5"	1/3"		1/2.5"	
<b>Operation</b>	<b>Focus</b>	Fixed					
	<b>Zoom</b>						
	<b>Iris</b>						
<b>Mechanical</b>							
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°					
	<b>Tilt</b>	0° ~ 90°					
	<b>Rotate</b>	0° ~ 360°					
<b>Temperature Detector</b>		Yes					
<b>Connectors</b>	<b>Power</b>	PoE					
	<b>Ethernet</b>	RJ-45 Connector					
	<b>Audio</b>	built-in microphone					
	<b>Local Storage</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)					
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status					
<b>General</b>							
<b>Environment Temperature</b>		-30 °C ~ 50 °C (-22 °F ~ 122 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)		-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
<b>Humidity</b>		10% to 90% (no condensation)					
<b>Power Source</b>		PoE					
<b>Max. Power Consumption</b>		3 W	3.4 W	3.98 W		3.4 W	3.6 W
<b>Regulatory</b>		CE, FCC, C-Tick, EN50155, RoHS compliant					
<b>Dimensions</b>	<b>Camera Body</b>	ø 115 x 59.2 mm (4.5" x 2.3")					
	<b>Cable Length</b>	1.054 m (41.5")					
	<b>Cable Diameter</b>	ø 6.2 mm (0.24")					
	<b>Max. Connector Diameter</b>	ø 30 mm (1.18")					
<b>Weight</b>		568g (1.3 lb)					
<b>Ingress Protection</b>		IP67					
<b>Vandal Resistance</b>		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.



## PT and PTZ Camera Specifications








		GV-PT130D	GV-PT220D	GV-PT320D	GV-PTZ010D-N	GV-PTZ010D-P
						
<b>Camera</b>						
<b>Image Sensor</b>		1/2.5" progressive scan CMOS			1/4" CCD image sensor	
<b>Picture Elements</b>		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)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux			2.5 Lux (50 IRE, F/1.8)	
	<b>B/W</b>	0.1 Lux			0.07 Lux (50 IRE, F/1.8)	
	<b>IR ON</b>	0 Lux			N/A	
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/8000 sec)			Auto, Manual (1/60 ~ 1/120,000 sec) Auto, Manual (1/50 ~ 1/120,000 sec)	
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			Auto, Manual (3200K ~ 9600K)	
<b>Gain Control</b>		Automatic			Automatic	
<b>BLC</b>		Yes			Yes	
<b>Operation</b>						
<b>Video Compression</b>		H.264, MJPEG			H.264, MPEG4, MJPEG	
<b>Video Streaming</b>		Dual streams				
<b>Frame Rate</b>		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
<b>Audio Compression</b>		G.711			G.711	
<b>Sensor Input</b>		1 Input (Dry Contact)				
<b>Alarm Output</b>		1 Digital output (200mA 5V DC)				
<b>Optical Lens</b>						
<b>Megapixel</b>		Yes			No	
<b>Day/Night</b>		Yes (with removable IR-cut filter)			Yes (electronic)	
<b>Focal Length</b>		4.0 mm			4.2 ~ 42 mm	
<b>Maximum Aperture</b>		F/1.5			F/1.8 ~ 2.9	
<b>Mount</b>		M12, Pitch 0.5 mm			No	
<b>Image Format</b>		1/2.5"			1/4"	
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)			Auto Focus	
	<b>Zoom</b>	Fixed			100X (10X Optical, 10X Digital)	
	<b>Iris</b>	Fixed			Fixed	
<b>IR LED Quantity</b>		10 IR LEDs			N/A	
<b>Max. IR Distance</b>		15 m (50 ft.)			N/A	
<b>Mechanical</b>						
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-175° ~ 175°				
	<b>Tilt</b>	-45° ~ 90°				
<b>Temperature Detector</b>		Yes				
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE				
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable				
	<b>Audio</b>	1 In (built-in microphone or external microphone)				
		1 Out (Stereo phone jack, 3.5 mm / 0.14")				
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm / 0.1"				
<b>Local Storage</b>	Micro SD/SDHC memory card slot (for Class 6 card or above)					
<b>General</b>						
<b>Environment Temperature</b>		0 °C ~ 50 °C (32 °F ~ 122 °F)				
<b>Humidity</b>		10% to 90% (no condensation)				
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)				
<b>Max. Power Consumption</b>		12.5 W				
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant				
<b>Dimensions</b>	<b>With Base</b>	167.75 x 166.78 x 135.2 mm (6.6" x 6.7" x 5.32")				
	<b>Without Base</b>	124.55 x 122.73 x 133.3 mm (4.9" x 4.83" x 5.25")				
<b>Weight</b>		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



		GV-FE110	GV-FE111	GV-FE420	GV-FE421	GV-FE520	GV-FE521	GV-FER521		
										
<b>Camera</b>										
<b>Image Sensor</b>		1/3" progressive scan CMOS			1/2.5" progressive scan CMOS					
<b>Picture Elements</b>		1280 (H) x 1024 (V)		2048 (H) x 1944 (V)		2560 (H) x 1920 (V)				
<b>Minimum Illumination</b>	<b>Color</b>	1.5 Lux (1/60s), 0.1 Lux (1/5s) (30 IRE, F/2.0, AGC-ON, slow shutter-off)			1 Lux					
	<b>B/W</b>	N/A			0.5 Lux					
	<b>IR ON</b>				N/A					
<b>Shutter Speed</b>		Auto(Balanced, Speed Priority, Quality Priority), Manual (1/5 ~ 1/4000sec)			Auto, Manual (1/5 ~ 1/8000sec)					
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)								
<b>Gain Control</b>		Automatic								
<b>S/N Ratio</b>		-			45 dB					
<b>WDR Pro</b>		N/A		Yes (with WDR sensor)		N/A				
<b>Operation</b>										
<b>Video Compression</b>		H.264, MPEG4, MJPEG			H.264, MJPEG					
<b>Video Streaming</b>		Single Stream from H.264, MPEG4 or MJPEG			Single Stream from H.264 or MJPEG					
<b>Frame Rate</b>		15 fps at 1280 x 1024		15 fps at 2048 x 1944		10 fps at 2560 x 1920 15 fps at 2048 x 1944				
<b>Audio Compression</b>		G.711			G.711			G.711		
<b>Sensor Input</b>		1 Input (Dry Contact)						No		
<b>Alarm Output</b>		1 Digital output (200mA 5V DC)						No		
<b>Optical Lens</b>										
<b>Megapixel</b>		Yes								
<b>Day/Night</b>		Yes (electronic)								
<b>Focal Length</b>		1.25 mm		1.05 mm		1.6 mm				
<b>Maximum Aperture</b>		F/2		F/2.8		F/2				
<b>Mount</b>		M12, Pitch 0.5 mm / 0.02"								
<b>Image Format</b>		1/3"		1/2"		4.7 mm (Image Circle)				
<b>Operation</b>	<b>Focus</b>									
	<b>Zoom</b>	Fixed								
	<b>Iris</b>									
<b>Mechanical</b>										
<b>Temperature Detector</b>		Yes								
<b>Connectors</b>	<b>Power</b>	3-pin terminal block, PoE					PoE			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector								
	<b>Audio</b>	built-in microphone and speaker								
	<b>Digital I/O</b>	I/O Wire					No			
	<b>Local Storage</b>	Micro SD/SDHC memory card slot (for Class 6 card or above)			Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)					
<b>General</b>										
<b>Environment Temperature</b>		0 °C ~ 50 °C (32 °F ~ 122 °F)					-30 °C ~ 50 °C / -22 °F ~ 122 °F			
<b>Humidity</b>		10% to 90% (no condensation)								
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)					PoE (IEEE802.3af)			
<b>Max. Power Consumption</b>		9 W			5 W					
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant								
<b>Dimensions</b>	<b>Camera Body</b>	<b>Hard-Ceiling Mount</b>	ø 160 x 50.55 mm (6.30" x 1.99")		ø 160 x 47.66 mm (6.30" x 1.88")		ø 160 x 44.9 mm (6.30" x 1.77")		ø 160 x 46.4 mm (6.30" x 1.83")	
		<b>In-Ceiling Mount</b>	ø 164 x 50.55 mm (6.46" x 1.99")		ø 164 x 47.66 mm (6.46" x 1.88")		ø 164 x 44.9 mm (6.46" x 1.77")		ø 164 x 46.4 mm (6.46" x 1.83")	
	<b>Cable Length</b>	1 m (3.28 ft)					1 m (3.28 ft.)			
	<b>Cable Diameter</b>	ø 8 mm (0.31")					ø 6.2 mm (0.24")			
	<b>Max. Connector Diameter</b>	ø 28.5 (1.12")					ø 30 (1.18")			
<b>Weight</b>		650 g (1.43 lb)					480 g (1.06 lb)			
<b>Ingress Protection</b>		No					IP66			
<b>Vandal Resistance</b>		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



		GV-FE2301	GV-FE4301
			
<b>Camera</b>			
<b>Image Sensor</b>		1/2.5" progressive scan CMOS	
<b>Picture Elements</b>		1440 (H) x 1376 (V)	2048 (H) x 1944 (V)
<b>Minimum Illumination</b>	<b>Color</b>	1 Lux	
	<b>B/W</b>	0.5 Lux	
	<b>IR ON</b>	No	
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000sec)	
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)	
<b>Gain Control</b>		Automatic	
<b>S/N Ratio</b>		45 dB	
<b>Operation</b>			
<b>Video Compression</b>		H.264, MJPEG	
<b>Video Streaming</b>		Single Stream from H.264 or MJPEG	
<b>Frame Rate</b>		15 fps at 1440 x 1376	15 fps at 2048 x 1944
<b>Audio Compression</b>		G.711	
<b>Sensor Input</b>		1 Input (Dry Contact)	
<b>Alarm Output</b>		1 Digital output (200mA 5V DC)	
<b>Optical Lens</b>			
<b>Megapixel</b>		Yes	
<b>Day/Night</b>		Yes (electronic)	
<b>Focal Length</b>		1.05 mm	
<b>Maximum Aperture</b>		F/2.8	
<b>Mount</b>		M12, Pitch 0.5 mm / 0.02 in	
<b>Image Format</b>		1/2"	
<b>Operation</b>	<b>Focus</b>		
	<b>Zoom</b>	Fixed	
	<b>Iris</b>		
<b>Mechanical</b>			
<b>Lens Mounting</b>		M12, Pitch 0.5 mm / 0.02"	
<b>Temperature Detector</b>		Yes	
<b>Connectors</b>	<b>Power</b>	Terminal block (3 pin), PoE	
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector	
	<b>Audio</b>	built-in microphone and speaker	
	<b>Digital I/O</b>	I/O Wire	
	<b>Local Storage</b>	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)	
<b>General</b>			
<b>Environment Temperature</b>		0 °C ~ 50 °C (32 °F ~ 122 °F)	
<b>Humidity</b>		10% to 90% (no condensation)	
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)	
<b>Max. Power Consumption</b>		5 W	
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant	
<b>Dimensions</b>	<b>Camera Body</b>	<b>Hard-Ceiling Mount</b>	ø 160 x 47.66 mm (6.30" x 1.88")
		<b>In-Ceiling Mount</b>	ø 164 x 47.66 mm (6.46" x 1.88")
	<b>Cable Length</b>		1 m (3.28 ft)
	<b>Cable Diameter</b>		ø 8 mm (0.31")
	<b>Max. Connector Diameter</b>		ø 28.5 (1.12")
<b>Weight</b>		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.**



## IP Speed Dome Camera Specifications (Part 1)





Camera		GV-SD010			GV-SD010-S		
		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 B/W: 0.01 lux	Color: 0.1 lux B/W: 0.01 lux	Color: 0.1 lux B/W: 0.01 lux	Color: 0.07 lux B/W: 0.01 lux	Color: 0.1 lux B/W: 0.01 lux	Color: 0.1 lux B/W: 0.01 lux
Shutter Speed		1 ~ 1/10000 sec	1/2 ~ 1/30000 sec 1/1.5 ~ 1/30000 sec	1 ~ 1/10000 sec	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec 1/1.5 ~ 1/30000 sec	1 ~ 1/10000 sec
White Balance		Auto / Manual					
Gain Control		Auto / Manual					
S/N Ratio		> 50 dB (AGC Off)					
BLC		On / Off					
Optical Zoom		18X	23X	36X	18X	23X	36X
Digital Zoom		12X					
Video Compression		H.264, MPEG4, MJPEG					
Video Streaming		Stream 1 from H.264, MPEG4 or MJPEG Stream 2 from H.264, MPEG4 or MJPEG					
Frame Rate		30/25 fps (60/50 Hz) at 704 x 480 / 704 x 576					
Audio Compression		G.711					
Sensor Input		4					
Alarm Output		1					
Pan Travel		360° endless					
Tilt Travel		-10° ~ 190°					
Manual Speed		0.5° ~ 90°/s					
Presets		256					
Preset Accuracy		0.225°					
Preset Speed		5° ~ 400°/s					
Sequence		8					
Auto Pan		4					
Cruise		4					
Privacy Mask		24	8	24	24	8	24
Wide Dynamic Range		On / Off					
Optical Lens		Yes (with removable IR Cut Filter)					
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		3-pin terminal block					
Connectors		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		0 °C ~ 40 °C (32 °F ~ 104 °F)					
Environment Temperature		-45 °C ~ 50 °C (-49 °F ~ -122 °F)					
Humidity		20% to 90% (no condensation)					
Power Source		24V AC ± 10%, 1.5A			24V AC ± 10%, 3A		
Max. Power Consumption		20 W			65 W (with Heater)		
Regulatory		CE, FCC, RoHS compliant			CE, FCC, RoHS compliant		
Dimensions		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 (9.75" x 11.9")		
Weight		1.6 kg (3.5 lb)			With sunshield: 2.6 kg (5.7 lb)		
Ingress Protection		No			IP66		

### Note:

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



## IP Speed Dome Camera Specifications (Part 2)

Camera	GV-SD200		GV-SD200-S		GV-SD220		GV-SD220-S		
	18X		18X		Indoor		Outdoor		
									
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	-				> 50 dB (AGC Off)				
BLC					On / Off				
Optical Zoom	18X				20x				
Digital Zoom	10X				12x				
WDR Pro	Yes (with WDR sensor)				Yes (with WDR sensor)				
<b>Operation</b>									
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				
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								
<b>Optical Lens</b>									
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								
	Iris								
	Zoom	Auto/Manual							
<b>Mechanical</b>									
Temperature Detector	No				Yes				
Connectors	Power	3-pin terminal block, High power PoE(AT)		3-pin terminal block		DC Jack			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector							
	Audio	1 in 1 out (terminal block)				1 in 1 out (stereo jack, ø 35 mm)			
	Digital I/O	4 in 2 out (12-pin terminal block)				4 in 1 out (I/O wires)			
Local Storage	Micro SD/ SDHC memory card slot (for Class 6 card or above)				Micro SD/ SDHC / SDXC memory card slot (for Class 6 card or above)				
<b>General</b>									
Environment Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)		-40 °C ~ 50 °C (-40 °F ~ -122 °F)		-10 °C ~ 50 °C (14 °F ~ -122 °F)		-40 °C ~ 50 °C (-40 °F ~ -122 °F)		
Humidity	10% to 90% (no condensation)				20% to 90% (no condensation)				
Power Source	24V AC ± 10%, 1.5A, PoE		24V AC ± 10%, 3A		24V AC ± 10%, 3A; 24V DC ± 10%, 3.75A				
Max. Power Consumption	20 W		65 W (with Heater)		30 W		60 W (with 30W heater)		
Regulatory	CE, FCC, RoHS								
Dimensions	Camera Body	ø 171.7 x 228.71 mm (6.76" x 9")		With sunshield: ø 191.97 x 282.11 mm (7.55" x 11.1")		ø 172 x 221.9 mm (7" x 8.8")		ø 220 x 297.75 mm (8.7" x 11.7")	
Weight	1.62 kg (3.57 lb)		With sunshield: 2.32 kg (5.11 lb)		3.2 Kg (7.1 lb)		4.7 Kg (10.4 lb)		
Ingress Protection	-		IP66		-		IP67		
Vandal Resistance	-		-		-		IK10 for metal and polycarbonate casing		

### Note:

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- GV-SD200/200-S only supports dual-streaming when stream 1 is set to H.264.