



## Contents

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



Fisheye Camera Specifications (Part 2) .....27








IP Speed Dome Camera Specifications ..... 28

Pinhole Camera Specifications ..... 29

Panoramic PTZ IP Camera ..... 30








## Box Camera Specifications (Part 1)

		GV-BX1500 Series			GV-BX2500 Series			GV-BX2600	
		GV-BX1500-0F / 1F / 2F / 8F	GV-BX1500-3V	GV-BX1500-3V P-Iris (Coming)	GV-BX2500-0F / 2F / 8F	GV-BX2500-3V	GV-BX2500-3V P-Iris (Coming)	GV-BX2600	
		Fixed Lens	Varifocal Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens	
									
<b>Camera</b>									
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS			1/2.8" progressive scan super low lux CMOS				
<b>Picture Elements</b>		1280 (H) x 1024 (V)			1920 (H) x 1080 (V)				
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux			0.02 Lux				
	<b>B/W</b>	0.01 Lux			0.02 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>		55 dB			52 dB				
<b>WDR Pro (with WDR Sensor)</b>		N/A			N/A				
<b>Dynamic Range</b>		Up to 72 dB			Up to 100 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			60 fps at 1920 x 1080	
<b>Audio Compression</b>		G.711, AAC (optional)						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		Varifocal Lens		Fixed		Varifocal Lens	
<b>Focal Length</b>	BX1500-0F	4 mm	2.8 ~ 12 mm	BX1500-3V	3 ~ 10.5 mm	BX2500-0F	4 mm	2.8 ~ 12 mm	3 ~ 10.5 mm
	BX1500-1F	8 mm				BX2500-1F	8 mm		
	BX1500-2F	12 mm				BX2500-2F	12 mm		
	BX1500-8F	2.8 mm				BX2500-8F	2.8 mm		
<b>Maximum Aperture</b>	BX1500-0F	F/1.5	F/1.4	F/1.4	F/1.4	BX2500-0F	F/1.5	F/1.4	F/1.4
	BX1500-1F	F/1.6				BX2500-1F	F/1.6		
	BX1500-2F	F/1.6				BX2500-2F	F/1.6		
	BX1500-8F	F/1.8				BX2500-8F	F/1.8		
<b>Mount</b>		CS Mount							
<b>Image Format</b>	BX1500-0F	1/3"	1/2.7"	1/2.7"	1/2.7"	BX2500-0F	1/3"	1/2.7"	1/2.7"
	BX1500-1F					BX2500-1F			
	BX1500-2F	1/2.5"				BX2500-2F	1/2.5"		
	BX1500-8F					BX2500-8F			
<b>Horizontal FOV</b>	BX1500-1F	36°	86° ~ 31°	BX1500-3V	81° ~ 29°	BX2500-1F	40°	105° ~ 36°	96° ~ 34°
	BX1500-2F	23°				BX2500-2F	25°		
	BX1500-8F	90°				BX2500-8F	107°		
<b>Operation</b>	<b>Focus</b>	Manual w/lock							
	<b>Zoom</b>	Fixed	Manual (w/lock)		Fixed	Manual (w/lock)			
	<b>Iris</b>	Fixed	DC drive	P-Iris	Fixed	DC drive	P-Iris	DC Drive	
<b>Mechanical</b>									
<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 connector							
	<b>Audio</b>	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14") *built-in mic is not available for GV-BX2600							
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm / 0.1"							
	<b>Auto Iris</b>	Not functional	Yes	Not functional	Yes	Yes	Yes	Yes	
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported							
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)							
<b>Mini USB</b>	GV-WiFi Adapter or USB hard drive								
<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 (IEEE 802.3af Class 3)							
<b>Max. Power Consumption</b>		9.5 W	6.27 W	7.99 W	6.42 W	7.5 W			
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant					CE, RCM, FCC, LVD, RoHS compliant		
<b>Dimensions (Without lens)</b>		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")					105 x 75 x 54 mm (4.13" x 2.95" x 2.13")		
<b>Weight</b>		300 g (0.66 lb)					321 g (0.71 lb)		
<b>Note:</b>									
<ol style="list-style-type: none"> <li>Product design and specifications are subject to change without notice.</li> <li>The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).</li> <li>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.</li> <li>Memory card slot (local storage) is not supported in Argentina.</li> </ol>					<ol style="list-style-type: none"> <li>Mind the following limitations and requirements for the mini USB port: <ul style="list-style-type: none"> <li>The USB hard drive must be of 2.5" or 3.5", version 2.0 or above</li> <li>The USB hard drive's storage capacity must not exceed 2TB</li> <li>USB flash drives and USB hubs are not supported</li> <li>External power supply is required for the USB hard drive</li> <li>To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.</li> </ul> </li> </ol>				







## Box Camera Specifications (Part 2)

		GV-BX2400 Series				GV-BX3400 Series						
		GV-BX2400-0F/1F /2F		GV-BX2400-3V~4V		GV-BX3400-0F/1F /2F //8F		GV-BX3400-4V~5V		GV-BX3400-3V P-Iris (Coming)		
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Varifocal Lens		
												
<b>Camera</b>												
<b>Image Sensor</b>		1/3.2" progressive scan CMOS										
<b>Picture Elements</b>		1920 (H) x 1080 (V)				2048 (H) x 1536 (V)						
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux										
	<b>B/W</b>	0.05 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>		47 dB										
<b>WDR Pro (with WDR Sensor)</b>		Yes										
<b>Dynamic Range</b>		Up to 100 dB										
<b>Operation</b>												
<b>Video Compression</b>		H.264, MJPEG										
<b>Video Streaming</b>		Dual streams										
<b>Frame Rate</b>		30 fps at 1920 x 1080				20 fps at 2048 x 1536 30 fps at 1920 x 1080						
<b>Audio Compression</b>		G.711, AAC (optional)										
<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				
<b>Focal Length</b>	BX2400-0F	4 mm		BX2400-3V	2.8 ~ 12 mm		BX3400-0F	4 mm		BX3400-4V	3 ~ 10.5 mm	
	BX2400-1F	8 mm			BX3400-1F	8 mm		BX3400-3V	3 ~ 10.5 mm			
<b>Maximum Aperture</b>	BX2400-2F	12 mm		BX2400-4V	3 ~ 10.5 mm		BX3400-2F	12 mm		BX3400-5V	2.8 ~ 6 mm	
	BX2400-0F	F/1.5			BX3400-8F	2.8 mm		BX3400-8F	2.8 mm			
<b>Mount</b>	BX2400-1F	F/1.6		BX2400-4V	F/1.4		BX3400-0F	F/1.5		BX3400-4V	F/1.4	
	BX2400-2F	F/1.6			BX3400-1F	F/1.6		BX3400-1F	F/1.6			
	BX2400-0F	F/1.5			BX3400-2F	F/1.6		BX3400-2F	F/1.6			
<b>Image Format</b>	BX2400-0F	1/3"		BX2400-3V	1/2.7"		BX3400-0F	1/3"		BX3400-4V	1/2.7"	
	BX2400-1F	1/2.5"			BX3400-1F	1/2.5"		BX3400-1F	1/2.5"			
	BX2400-2F	1/2.5"			BX3400-2F	1/2.5"		BX3400-2F	1/2.5"			
	BX2400-0F	1/3"			BX3400-8F	1/3"		BX3400-8F	1/3"			
<b>Horizontal FOV</b>	BX2400-1F	32°		BX2400-3V	77° ~ 28°		BX3400-1F	35°		BX3400-4V	78° ~ 28°	
	BX2400-2F	21°			BX3400-2F	23°		BX3400-2F	23°			
	BX2400-0F	21°			BX3400-8F	88°		BX3400-8F	88°			
<b>Operation</b>	<b>Focus</b>	Manual w/lock										
	<b>Zoom</b>	Fixed		Manual (w/lock)		Fixed		Manual (w/lock)				
	<b>Iris</b>	Fixed		DC drive		Fixed		DC drive		P-Iris		
<b>Mechanical</b>												
<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 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>	Not functional		Yes		Not functional		Yes				
	<b>Local Storage</b>	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)										
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)										
<b>Mini USB</b>	GV-WiFi Adapter or USB hard drive											
<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 (IEEE 802.3af Class 3)										
<b>Max. Power Consumption</b>		9.5 W				9.5 W				7.12 W		
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant										
<b>Dimensions (L X W X H)</b>		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") without lens										
<b>Weight</b>		300 g (0.66 lb)										
<b>Note:</b>		<p>1. Product design and specifications are subject to change without notice.</p> <p>2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).</p> <p>3. 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.</p> <p>4. <b>Memory card slot (local storage) is not supported in Argentina.</b></p> <p>5. Mind the following limitations and requirements for the mini USB port:</p> <ul style="list-style-type: none"> <li>The USB hard drive must be of 2.5" or 3.5", version 2.0 or above</li> <li>The USB hard drive's storage capacity must not exceed 2TB</li> <li>USB flash drives and USB hubs are not supported</li> <li>External power supply is required for the USB hard drive</li> </ul> <p>To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.</p>										



## Box Camera Specifications (Part 3)




	GV-BX5300 Series			GV-BX12201
	GV-BX5300-8F Fixed Lens	GV-BX5300-6V Varifocal Lens	GV-BX5300-6V P-Iris (Coming) Varifocal Lens	
				
<b>Camera</b>				
Image Sensor	1/2.5" progressive scan CMOS			1/1.7" progressive scan CMOS
Picture Elements	2560 (H) x 1920 (V)			4000 (H) x 3000 (V)
Minimum Illumination	Color	0.15 Lux		0.1 Lux
	B/W	0.10 Lux		0.05 Lux
	IR ON	0 Lux		
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)			Automatic, Manual (1/30 ~ 1/16000 sec)
White Balance	Auto, Manual (2800K ~ 8500K)			Automatic, Manual (2800 ~ 8500K)
Gain Control	Automatic			
S/N Ratio	45 dB			52 dB
WDR Pro (with WDR sensor)	N/A			N/A
Dynamic Range	Up to 72 dB			
<b>Operation</b>				
Video Compression	H.264, MJPEG			
Video Streaming	Dual Stream			Dual streams from H.264 or MJPEG
Frame Rate	10 fps at 2560 x 1920			15 fps at 4000 x 3000 30 fps at 3840 x 2160
Audio Compression	G.711, AAC (optional)			
Sensor Input	1 Input (Dry Contact)			
Alarm Output	1 Digital Output (200mA 5V DC)			
<b>Optical Lens</b>				
Megapixel	Yes			
Day/Night	Yes (with removable IR-cut filter)			
Lens Type	Fixed Lens		Varifocal Lens	
Focal Length	2.8 mm	4.5 ~ 10 mm	3.3 ~ 10.5 mm	4.1 ~ 9 mm
Maximum Aperture	F/1.8	F/1.6	F/1.4	F/1.6
Mount	CS Mount			
Image Format	1/2.5"	1/2"	1/2.5"	1/1.8"
Horizontal FOV	112°	70° ~ 34°	84° ~ 35°	109° ~ 50°
Focus	Manual (w/lock)			
Zoom	Fixed	Manual (w/lock)		Manual (w/lock)
Iris	Fixed	Manual (w/lock)	P-Iris	DC drive
<b>Mechanical</b>				
Temperature Detector	Yes			
Power	2-pin terminal block, PoE			
Ethernet	Ethernet (10/100/1000 Base-T), RJ-45 Connector			
Audio	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)			
Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")			
Auto Iris	Not functional			Yes (with varifocal lens)
Local Storage*	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card types are not supported. <b>*Currently, the local storage function is not supported for GV-BX12201</b>			
TV-Out	BNC connector (640 x 480 resolution)			
Mini USB	GV-WiFi Adapter or USB hard drive		GV-WiFi Adapter	
LED Indicator	2 LEDs: Power, Status			
<b>General</b>				
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)			
Humidity	10% to 90% (no condensation)			
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)			
Max. Power Consumption	9.5 W	6.77 W		6 W
Regulatory	CE, FCC, RCM, RoHS compliant			
Dimensions	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")			Without lens: 120 x 75.2 x 54 mm (4.72" x 2.96" x 2.13") With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")
Weight	321 g (0.71 lb)	300 g (0.66 lb)		545 g / 1.2 lb

**Note:**

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



## Ultra Box Camera Specifications







	GV-UBX1301 Series		GV-UBX2301 Series		GV-UBX3301 Series	
						
<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			
	B/W		0.10 Lux			
	IR ON		0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance	Auto, Manual (2800K ~ 8500K)					
Gain Control	Automatic					
S/N Ratio	45 dB					
Dynamic Range	Up to 72 dB					
<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, AAC (optional)					
<b>Optical Lens</b>						
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)					
<b>Mechanical</b>						
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					
<b>General</b>						
Environment Temperature	0°C ~ 40°C (32°F ~ 104°F)					
Humidity	10% to 90% (no condensation)					
Power Source	5V DC / PoE (IEEE 802.3af)					
Max. Power Consumption	6.5 W					
Regulatory	CE, FCC, RCM, RoHS compliant					
Dimensions (L X W X H) (Without lens)	95 x 45 x 40 mm (3.7" x 1.8" x 1.6")					
Weight	120 g (0.26 lb)					

### Note:

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







## IR Arctic Box Camera Specifications

		GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX5300	GV-BX2510-E	GV-BX5310-E
							
<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	1/2.8" progressive scan super low lux 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)	1920 (H) x 1080 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux		0.08 Lux		0.15 Lux	0.02 Lux
	<b>B/W</b>	0.01 Lux		0.05 Lux		0.10 Lux	0.02 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>		55 dB		47 dB		45 dB	52 dB
<b>WDR Pro (with WDR Sensor)</b>		N/A		Yes		N/A	45 dB
<b>Dynamic Range</b>		Up to 72 dB		Up to 100 dB		Up to 72 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	30 fps at 1920 x 1080	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711, AAC (optional)					
<b>Sensor Input</b>		N/A				1 input (Dry Contact)	
<b>Alarm Output</b>		N/A				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				Motorized Varifocal Lens	
<b>Focal Length</b>		3 ~ 10.5 mm			4.5 ~ 10 mm	3.7 ~ 9 mm	4.5 ~ 9 mm
<b>Maximum Aperture</b>		F/1.4			F/1.6	F/1.2	
<b>Mount</b>		CS Mount				Ø14 mm	
<b>Image Format</b>		1/2.7"			1/2"	1/2.7"	
<b>Horizontal FOV</b>		81° ~ 29°	73° ~ 27°	78° ~ 28°	70° ~ 34°	70° ~ 39°	
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)				Auto focus	
	<b>Zoom</b>	Manual (w/lock)				2.4X optical zoom	
	<b>Iris</b>	P-Iris	DC drive	P-Iris	Manual (w/lock)	2X optical zoom	
<b>IR LED Quantity</b>		4 IR LEDs				2X optical zoom	
<b>Max. IR Distance</b>		15 m (50 ft)				70 m (230 ft)	50 m (164 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				2-pin terminal block, PoE	
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector					
	<b>Audio</b>	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")					
	<b>Auto Iris</b>	Yes (with varifocal lens)					
	<b>Digital I/O</b>	N.A				I/O wires	
	<b>Local Storage</b>	N/A				Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
<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>	<b>Start-up</b>	-30 °C ~ 50 °C (-22°F ~ 122°F)					
	<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)				DC 48V, PoE++ (50W)	
<b>Max. Power Consumption</b>		20 W	23 W		21.6 W	50 W	
<b>Regulatory</b>		CE, FCC, RCM, 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")			100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")	<b>Camera Body</b>	406 x 145 x 109.5 mm (16" x 5.7" x 4.3")
						<b>Cable Length</b>	1 m (39.4")
<b>Weight</b>		3.2 Kg (7.1 lb)					
<b>Ingress Protection</b>		IP67					
<b>Vandal Resistance</b>		IK10 for metal casing					
<b>Heater On</b>		-40°C ~ 8°C (-40°F ~ 46.4°F)				On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)	
<b>Fan</b>		Constantly on					

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



## Bullet Camera Specifications (Part 1)

		GV-BL1500	GV-BL2400	GV-BL2500	GV-BL3400
					
<b>Camera</b>					
<b>Image Sensor</b>		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
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	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			
<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>		55 dB	47 dB	52 dB	47 dB
<b>WDR Pro (with WDR sensor)</b>		N/A	Yes	N/A	Yes
<b>Dynamic Range</b>		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 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, AAC (optional)			
<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>Horizontal FOV</b>		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)			
	<b>Zoom</b>	Manual (w/lock)			
	<b>Iris</b>	DC drive	DC drive	DC drive	DC drive
<b>IR LED Quantity</b>		16 IR LEDs			
<b>Max. IR Distance</b>		70 m (230 ft)	50 m (164 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 connector			
	<b>Audio</b>	1 In (RCA female for microphone); 1 Out (RCA female for speaker)			
	<b>Digital I/O</b>	I/O Wire			
<b>Local Storage*</b>		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
<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 (IEEE 802.3af)			
<b>Max. Power Consumption</b>		7.68 W	7.2 W	8 W	7.2 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant			
<b>Dimensions</b>	<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>		1.4 Kg (3.08 lb)	1.35 kg (2.98 lb)	1.4 Kg (3.08 lb)	1.35 kg (2.98 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 2)






		GV-BL1210	GV-BL3410	GV-BL5310
				
<b>Camera</b>				
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	Color	0.05 Lux	0.08 Lux	0.15 Lux
	B/W	0.03 Lux	0.05 Lux	0.10 Lux
	IR ON		0 Lux	
<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 (with WDR sensor)</b>		N/A	Yes	N/A
<b>Dynamic Range</b>		Up to 72 dB	Up to 100 dB	Up to 72 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	20 fps at 2048 x 1536	10 fps at 2560 x 1920
<b>Audio Compression</b>			G.711, AAC (optional)	
<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>Horizontal FOV</b>		86° ~ 32°	86° ~ 31°	70° ~ 39°
<b>Operation</b>	Focus		Auto Focus	
	Zoom	3X Optical Zoom		2X Optical Zoom
	Iris		DC drive	
<b>IR LED Quantity</b>			16 IR LEDs	
<b>Max. IR Distance</b>		40 m (131 ft)	50 m (164 ft)	40 m (131 ft)
<b>Mechanical</b>				
<b>Camera Angle Adjustment</b>	Pan		0° ~ 360°	
	Tilt		90° ~ 180°	
	Rotate		0° ~ 360°	
<b>Temperature Detector</b>			Yes	
<b>Connectors</b>	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	
<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 (IEEE 802.3af)	
<b>Max. Power Consumption</b>		11.52 W	12.48 W	
<b>Regulatory</b>			CE, FCC, RCM, RoHS compliant	
<b>Dimensions</b>	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")		
<b>Weight</b>			1.4 Kg (3.08 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-BL1501 (Coming)	GV-BL2501	GV-BL3401	GV-BL2511-E	GV-BL5311-E	
						
<b>Camera</b>						
<b>Image Sensor</b>	1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS	
<b>Picture Elements</b>	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)	
<b>Minimum Illumination</b>	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.02 Lux	0.15 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.02 Lux	0.10 Lux
	IR ON	0 Lux				
<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>	55 dB	52 dB	47 dB	52 dB	45 dB	
<b>WDR Pro (with WDR sensor)</b>	N/A	N/A	Yes	N/A	N/A	
<b>Dynamic Range</b>	Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 72 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	30 fps at 1920 x 1080	10 fps at 2560 x 1920	
<b>Audio Compression</b>	G.711, AAC (optional)					
<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			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>Horizontal FOV</b>	90° ~ 32°	103° ~ 36°	86° ~ 31°	103° ~ 36°	70° ~ 39°	
	Manual (w/lock)			Auto Focus		
<b>Operation</b>	Manual (w/lock)			3X Optical Zoom	2X Optical Zoom	
	P-Iris					
<b>IR LED Quantity</b>	16 IR LEDs					
<b>Max. IR Distance</b>	70 m (230 ft)	50 m (164 ft)		50 m (164 ft)	40 m (131 ft)	
<b>Mechanical</b>						
<b>Camera</b>	<b>Pan</b>	0° ~ 360°				
<b>Angle</b>	<b>Tilt</b>	90° ~ 180°				
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 360°				
<b>Temperature Detector</b>	Yes					
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE			2-pin terminal block	
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector				
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)				
<b>Digital I/O</b>	3-pin terminal block					
<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
<b>General</b>						
<b>Environment Temperature</b>	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			-40°C ~ 50°C (-40 °F ~ 122 °F)		
<b>Humidity</b>	10% to 90% (no condensation)					
<b>Power Source</b>	12V DC / 24V AC / PoE (IEEE802.3af)			12V DC / 24V AC		
<b>Max. Power Consumption</b>	7.68 W	8 W	7.2 W	34 W	33.2 W	
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant					
<b>Dimensions</b>	340.4 x 87.75 x 120 mm (13.4" x 3.45" x 4.72")			355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")		
<b>Weight</b>	1.91 kg (4.21 lb)			1.96 kg (4.32 lb)		
<b>Heater</b>	N/A					
<b>Fan</b>	NA					
<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 4)







		GV-BL1511	GV-BL2511	GV-BL3411	GV-BL5311
					
<b>Camera</b>					
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
<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>	0.01 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	<b>B/W</b>	0.01 Lux	0.02 Lux	0.05 Lux	0.10 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>		55 dB	52 dB	47 dB	45 dB
<b>WDR Pro (with WDR sensor)</b>		N/A	N/A	Yes	N/A
<b>Dynamic Range</b>		Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 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, AAC (optional)			
<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>Horizontal FOV</b>		90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 39°
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	3X Optical Zoom			2X Optical Zoom
	<b>Iris</b>	P-Iris			
<b>IR LED Quantity</b>		16 IR LEDs			
<b>Max. IR Distance</b>		70 m (230 ft)	50 m (164 ft)	40 m (131 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 connector			
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	<b>Digital I/O</b>	3-pin terminal block			
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
<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>		13.8 W	13.4 W	12.48 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant			
<b>Dimensions</b>		355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")			
<b>Weight</b>		1.96 Kg (4.32 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.



## Ultra Bullet Camera Specifications








		GV-UBL1211	GV-UBL2411	GV-UBL3411	GV-UBL1301 Series	GV-UBL2401 Series	GV-UBL3401 Series	
								
<b>Camera</b>								
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS		
<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>	0.05 Lux	0.08 Lux	0.08 Lux	0.15 Lux	0.08 Lux		
	<b>B/W</b>	0.03 Lux	0.05 Lux	0.05 Lux	0.10 Lux	0.05 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	47 dB	47 dB	45 dB	47 dB		
<b>WDR Pro (with WDR sensor)</b>		N/A	Yes	Yes	N/A	Yes		
<b>Dynamic Range</b>		Up to 72 dB	Up to 100 dB	Up to 100 dB	Up to 72 dB	Up to 100 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	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	
<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			Fixed Lens			
<b>Focal Length</b>	3~9 mm			GV-UBL1301-0F	2.8 mm	GV-UBL2401-0F	2.8 mm	
				GV-UBL1301-1F	4 mm	GV-UBL2401-1F	4 mm	
				GV-UBL1301-2F	8 mm	GV-UBL2401-2F	8 mm	
				GV-UBL1301-3F	12 mm	GV-UBL2401-3F	12 mm	
<b>Maximum Aperture</b>	F/1.2			GV-UBL1301-0F	F/2.0	GV-UBL2401-0F	F/2.0	
				GV-UBL1301-1F	F/1.5	GV-UBL2401-1F	F/1.5	
				GV-UBL1301-2F	F/1.6	GV-UBL2401-2F	F/1.6	
				GV-UBL1301-3F	F/1.6	GV-UBL2401-3F	F/1.6	
<b>Mount</b>		Ø14 mm			M12			
<b>Image Format</b>		1/2.7"			1/3"			
<b>Horizontal FOV</b>	86° ~ 32°		82° ~ 30°		86° ~ 31°			
					GV-UBL1301-0F	69°	GV-UBL2401-0F	79°
					GV-UBL1301-1F	49°	GV-UBL2401-1F	58°
					GV-UBL1301-2F	25°	GV-UBL2401-2F	31°
				GV-UBL1301-3F	16°	GV-UBL2401-3F	20°	
<b>Operation</b>	<b>Focus</b>	Auto Focus						
	<b>Zoom</b>	3X Optical Zoom			Fixed			
	<b>Iris</b>	DC Drive						
<b>IR LED Quantity</b>		4 IR LEDs						
<b>Max. IR Distance</b>		10 m (32.81 ft)						
<b>Mechanical</b>								
<b>Temperature Detector</b>		Yes						
<b>Power</b>		2-pin terminal block, PoE						
<b>Ethernet</b>		Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof)						
<b>Digital I/O</b>		I/O Wire						
<b>Local Storage*</b>		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported						
<b>General</b>								
<b>Environment Temperature</b>		-10 °C ~ 45 °C (14 °F ~ 113 °F)			<b>Start-up</b>	-20 °C ~ 45 °C (-4 °F ~ 113 °F)	-20 °C ~ 45 °C (-4 °F ~ 113 °F)	
					<b>Operation</b>	-30 °C ~ 45 °C (-22 °F ~ 113 °F)		
<b>Humidity</b>		10% to 90% (no condensation)						
<b>Power Source</b>		5V DC / PoE (IEEE 802.3af)						
<b>Max. Power Consumption</b>		6.94 W			5.52W			
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant						
<b>Dimensions</b>		148.75 x 65 x 69 mm (5.9" x 2.6" x 2.7")			124 x 65 x 69 mm (4.9" x 2.6" x 2.7")			
<b>Weight</b>		850 g (1.9 lb)			730 g (1.6 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.



## 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)	
								
<b>Camera</b>								
<b>Image Sensor</b>	1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	
<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>	Color	0.05 Lux		0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	
	B/W	0.03 Lux		0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	
	IR ON	0 Lux						
<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		55 dB	47 dB	52 dB	47 dB	
<b>WDR Pro (with WDR sensor)</b>	N/A				Yes	N/A	Yes	
<b>Dynamic Range</b>	Up to 72 dB				Up to 100 dB	Up to 72 dB	Up to 100 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	30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536	
<b>Audio Compression</b>	G.711, AAC (optional)							
<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>Horizontal FOV</b>	86° ~ 32°	82° ~ 30°	86° ~ 31°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	
<b>Operation</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)			30 m (98.4 ft)				
<b>Mechanical</b>								
<b>Camera</b>	Pan							
<b>Angle</b>	Tilt							
<b>Adjustment</b>	Rotate							
<b>Temperature Detector</b>	Yes							
<b>Connectors</b>	Power							
	Ethernet							
	Audio							
	Digital I/O							
	Local Storage*							
<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>	-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 (IEEE 802.3af)							
<b>Max. Power Consumption</b>	12 W							
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant							
<b>Dimensions</b>	Camera Body							
	Cable Length							
	Cable							
	Diameter							
	Max. Connector Diameter							
<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.



## Vandal Proof Dome Specifications (Part 2)





		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430
					
<b>Camera</b>					
<b>Image Sensor</b>		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
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	<b>B/W</b>	0.01 Lux	0.05 Lux	0.02 Lux	0.05 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>		55 dB	47 dB	52 dB	47 dB
<b>WDR Pro (with WDR sensor)</b>		N/A	Yes	N/A	Yes
<b>Dynamic Range</b>		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 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	30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio Compression</b>		G.711, AAC (optional)			
<b>Sensor Input</b>		1 Input (Dry Contact)			
<b>Alarm Output</b>		1 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>Horizontal FOV</b>		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)			
	<b>Zoom</b>	Manual (w/lock)			
	<b>Iris</b>	DC drive			
<b>High Power LED</b>		6 IR LEDs			
<b>Max. IR Distance</b>		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
<b>Mechanical</b>					
<b>Camera Angle</b>	<b>Pan</b>	-90° ~ 90°			
	<b>Tilt</b>	0° ~ 85°			
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°			
	<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 connector			
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")			
<b>Storage*</b>	<b>Local</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			
	<b>Storage*</b>	*SDXC and UHS-I card types are not supported			
	<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>	<b>Start-up</b>	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
	<b>Operation</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 (IEEE 802.3at)			
<b>Max. Power Consumption</b>		15.4 W			
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant			
<b>Dimensions</b>		Ø176.5 x 118 mm (6.9" x 4.6")			
<b>Weight</b>		1.76 kg (3.88 lb)			
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		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
					
<b>Camera</b>					
<b>Image Sensor</b>		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
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	<b>B/W</b>	0.01 Lux	0.05 Lux	0.02 Lux	0.05 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>		55 dB	47 dB	52 dB	47 dB
<b>WDR Pro (with WDR sensor)</b>		N/A	Yes	N/A	Yes
<b>Dynamic Range</b>		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 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	30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio Compression</b>		G.711, AAC (optional)			
<b>Sensor Input</b>		1 Input (Dry Contact)			
<b>Alarm Output</b>		1 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>Horizontal FOV</b>		90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	3x Optical Zoom			
	<b>Iris</b>	DC drive			
<b>High Power LED</b>		6 IR LEDs			
<b>Max. IR Distance</b>		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
<b>Mechanical</b>					
<b>Camera Angle</b>	<b>Pan</b>	-90° ~ 90°			
	<b>Tilt</b>	0° ~ 85°			
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°			
	<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 connector			
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")			
<b>Storage*</b>	<b>Local</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			
	<b>Storage*</b>	*SDXC and UHS-I card types are not supported			
	<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>		-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 (IEEE 802.3at)			
<b>Max. Power Consumption</b>		22.48 W			
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant			
<b>Dimensions</b>		Ø176.5 x 118 mm (6.9" x 4.6")			
<b>Weight</b>		1.83 kg (4.03 lb)			
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		IK10+			




### Note:

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





## Vandal Proof Dome Specifications (Part 4)

	GV-VD5340	GV-VD2540-E	GV-VD5340-E
			
<b>Camera</b>			
<b>Image Sensor</b>	1/2.5" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS
<b>Picture Elements</b>	2560 (H) x 1920 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux	0.15 Lux
	<b>B/W</b>	0.10 Lux	0.02 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>	45 dB	52 dB	45 dB
<b>Dynamic Range</b>		Up to 72 dB	
<b>Operation</b>			
<b>Video Compression</b>		H.264, MJPEG	
<b>Video Streaming</b>		Dual streams	
<b>Frame Rate</b>	10 fps at 2560 x 1920	30 fps at 1920 x 1080	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711, AAC (optional)	
<b>Sensor Input</b>		1 Input (Dry Contact)	
<b>Alarm Output</b>		1 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>	3.3 ~ 9 mm	3 ~ 9 mm	3.3 ~ 9 mm
<b>Maximum Aperture</b>		F/1.2	
<b>Mount</b>		Ø14 mm	
<b>Image Format</b>		1/2.7"	
<b>Horizontal FOV</b>	100° ~ 39°	103° ~ 36°	100° ~ 39°
<b>Operation</b>	<b>Focus</b>	Auto Focus	
	<b>Zoom</b>	3x Optical Zoom	
	<b>Iris</b>	DC drive	
<b>High Power LED</b>		6 IR LEDs	
<b>Max. IR Distance</b>	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
<b>Mechanical</b>			
<b>Camera Angle</b>	<b>Pan</b>	-90° ~ 90°	
	<b>Tilt</b>	0° ~ 85°	
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 350°	
<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 connector	
	<b>Audio</b>	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)	
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm (0.1")	
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
	<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>	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		-40 °C ~ 50 °C (-40 °F ~ 122 °F)
<b>Heat On</b>		On (0°C / 32°F), Off (1°C / 33.8°F)	
<b>Fan</b>		Constantly on	
<b>Humidity</b>		10% to 90% (no condensation)	
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE 802.3at)	
<b>Max. Power Consumption</b>	22.48 W		30 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant	
<b>Dimensions</b>		Ø176.5 x 118 mm (6.9" x 4.6")	
<b>Weight</b>		1.83 kg (4.03 lb)	
<b>Ingress Protection</b>		IP67	
<b>Vandal Resistance</b>		IK10+	







### Note:

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





## Fixed Dome Specifications (Part 1)






	GV-FD1200	GV-FD1500	GV-FD2400	GV-FD2500	GV-FD3400	GV-FD5300	
							
<b>Camera</b>							
<b>Image Sensor</b>	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	
<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 1536 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.05 Lux	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	0.15 Lux
	<b>B/W</b>	0.03 Lux	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	0.10 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	55 dB	47 dB	52 dB	47 dB	45 dB	
<b>WDR Pro (with WDR sensor)</b>	N/A		Yes	N/A	Yes	N/A	
<b>Dynamic Range</b>	Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 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	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	
<b>Audio Compression</b>	G.711, AAC (optional)						
<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/1.2					F/1.6	
<b>Mount</b>	Ø14 mm					CS Mount	
<b>Image Format</b>	1/2.7"					1/2.5"	
<b>Horizontal FOV</b>	86° ~ 32°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	70° ~ 34°	
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)					
	<b>Zoom</b>	Manual (w/lock)					
	<b>Iris</b>	DC drive	DC drive; P-Iris (Coming)	DC drive	DC drive; P-Iris (Coming)	Manual (w/lock)	
<b>IR LED Quantity</b>	10 IR LEDs						
<b>Max. IR Distance</b>	15 m (50 ft)	30 m (98.4 ft)			25 m (82 ft)		
<b>Mechanical</b>							
<b>Camera</b>	<b>Pan</b>	0° ~ 350°					
<b>Angle</b>	<b>Tilt</b>	10° ~ 90°					
<b>Adjustment</b>	<b>Rotate</b>	0° ~ 340°					
<b>Temperature</b>	<b>Detector</b>	Yes					
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE					
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector					
	<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 card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
<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>	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 (IEEE 802.3af)						
<b>Max. Power Consumption</b>	12W						
<b>Regulatory</b>	CE, FCC, RCM, 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-FD1510	GV-FD2410	GV-FD2510	GV-FD3410
					
<b>Camera</b>					
<b>Image Sensor</b>	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
<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	0.01 Lux	0.08 Lux	0.02 Lux
	<b>B/W</b>	0.03 Lux	0.01 Lux	0.05 Lux	0.02 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	55 dB	47 dB	52 dB	47 dB
<b>WDR Pro (with WDR sensor)</b>	N/A		Yes	N/A	Yes
<b>Dynamic Range</b>	Up to 72 dB		Up to 100 dB	Up to 72 dB	Up to 100 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, AAC (optional)				
<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>Horizontal FOV</b>	86° ~ 32°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	3X Optical Zoom			
<b>IR LED Quantity</b>	<b>Zoom</b>	DC drive	DC drive; P-Iris (Coming)	DC drive	P-Iris
	<b>Iris</b>	DC drive; P-Iris (Coming)			
<b>Max. IR Distance</b>	15 m (50 ft)	10 IR LEDs			
<b>Mechanical</b>	30 m (98.4 ft)				
<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 connector			
	<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 card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
<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>	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 (IEEE 802.3af)				
<b>Max. Power Consumption</b>	12W				
<b>Regulatory</b>	CE, FCC, RCM, 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 and Advanced Cube Camera Specifications






	Cube Camera			Advanced Cube Camera		
	GV-CB120	GV-CB220	GV-CA120	GV-CA220	GV-CAW120	GV-CAW220
						
<b>Camera</b>	1/2.5" progressive scan CMOS					
<b>Image Sensor</b>	1/2.5" progressive scan CMOS					
<b>Picture Elements</b>	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux				
	<b>B/W</b>	0.10 Lux				
	<b>IR ON</b>	N/A				
	<b>White Illumination LED</b>	N/A			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>	45 dB					
<b>Dynamic Range</b>	Up to 72 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	30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080
<b>Audio Compression</b>	G.711, AAC (optional)					
<b>Optical Lens</b>						
<b>Megapixel</b>	Yes					
<b>Day/Night</b>	Yes (electronic)					
<b>Lens Type</b>	Fixed Lens					
<b>Focal Length</b>	3.35 mm					
<b>Maximum Aperture</b>	F/2.4					
<b>Mount</b>	M12 mm					
<b>Image Format</b>	1/3"					
<b>Horizontal FOV</b>	67°	77°	67°	77°	67°	77°
<b>Operation</b>	<b>Focus</b>	Fixed				
	<b>Zoom</b>	Fixed				
	<b>Iris</b>	Fixed				
<b>Mechanical</b>						
<b>Connectors</b>	<b>Power</b>	DC Jack		DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220)		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector				
	<b>Audio</b>	built-in microphone and speaker				
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported				
<b>LED Indicator</b>	2 LEDs: Status, LAN			4 LEDs: Status x 3, LAN/WiFi		
<b>PIR Sensor</b>	N/A			Built-in		
<b>White Illumination LED</b>	N/A			Yes		
<b>Max. PIR / White Illumination LED Distance</b>	N/A			5 m (16.4 ft)		
<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>	5V DC		5V DC and PoE		5V DC	
<b>Max. Power Consumption</b>	3.2 W		7 W		6 W	
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant					
<b>Dimensions (LxWxH)</b>	60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")			65.8 x 99.8 x 39 mm (2.59" x 3.92" x 1.54")		
<b>Weight</b>	80 g (0.18 lb)			100 g (0.2 lb)		

**Note:**

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



## Mini Fixed Dome Specifications

		GV-MFD1501 Series		GV-MFD2401 Series		GV-MFD2501 Series		GV-MFD3401 Series		GV-MFD5301 Series			
													
<b>Camera</b>													
<b>Image Sensor</b>		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			
<b>Picture Elements</b>		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)			
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux		0.08 Lux		0.02 Lux		0.08 Lux		0.15 Lux			
	<b>B/W</b>	0.01 Lux		0.05 Lux		0.02 Lux		0.05 Lux		0.10 Lux			
<b>Shutter Speed</b>		N/A											
<b>White Balance</b>		Auto, Manual (1/5 ~ 1/8000 sec)											
<b>Gain Control</b>		Auto, Manual (2800K ~ 8500K)											
<b>Gain Control</b>		Automatic											
<b>S/N Ratio</b>		55 dB				52 dB				55 dB			
<b>WDR Pro (with WDR Sensor)</b>		N/A		Yes		N/A		Yes		N/A			
<b>Dynamic Range</b>		Up to 72 dB		Up to 100 dB		Up to 72 dB		Up to 100 dB		Up to 72 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, AAC (optional)											
<b>Optical Lens</b>													
<b>Megapixel</b>		Yes											
<b>Day/Night</b>		Yes (electronic)											
<b>Lens Type</b>		Fixed Lens											
<b>Focal Length</b>	MFD1501-0F	2.8 mm	MFD2401-0F	2.8 mm	MFD2501-0F	2.8 mm	MFD3401-0F	2.8 mm	MFD5301-0F	2.8 mm			
	MFD1501-1F	4 mm	MFD2401-2F	8 mm	MFD2501-1F	4 mm	MFD3401-2F	8 mm	MFD5301-2F	8 mm			
	MFD1501-2F	8 mm	MFD2401-3F	12 mm	MFD2501-2F	8 mm	MFD3401-3F	12 mm	MFD5301-3F	12 mm			
	MFD1501-3F	12 mm	MFD2401-4F	2.1 mm	MFD2501-3F	12 mm	MFD3401-5F	3.8 mm	MFD5301-5F	3.8 mm			
	MFD1501-4F	2.1 mm	MFD2401-5F	3.8 mm	MFD2501-5F	3.8 mm	MFD3401-6F	2.3 mm					
MFD1501-5F	3.8 mm	MFD2501-6F			2.3 mm	MFD3401-6F	2.3 mm	MFD5301-5F	3.8 mm				
<b>Maximum Aperture</b>	MFD1501-0F	F/2.0	MFD2401-0F	F/2.0	MFD2501-0F	F/2.0	MFD3401-0F	F/2.0	MFD5301-0F	F/2.0			
	MFD1501-1F	F/1.5	MFD2401-2F	F/1.6	MFD2501-1F	F/1.5	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6			
	MFD1501-2F	F/1.6	MFD2401-3F	F/1.6	MFD2501-2F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6			
	MFD1501-3F	F/1.6	MFD2401-4F	F/1.8	MFD2501-3F	F/1.6	MFD3401-5F	F/1.8	MFD5301-5F	F/1.8			
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2					
MFD1501-5F	F/1.8	MFD2501-6F			F/2.2	MFD3401-6F	F/2.2	MFD5301-5F	F/1.8				
<b>Mount</b>		M12, Pitch 0.5 mm											
<b>Image Format</b>		1/3"											
<b>Horizontal FOV</b>	MFD1501-0F	87°	MFD2401-0F	79°	MFD2501-0F	99°	MFD3401-0F	80°	MFD5301-0F	103°			
	MFD1501-1F	67°	MFD2401-2F	31°	MFD2501-1F	72°	MFD3401-2F	33°	MFD5301-2F	41°			
	MFD1501-2F	35°	MFD2401-3F	20°	MFD2501-2F	38°	MFD3401-3F	21°	MFD5301-3F	26°			
	MFD1501-3F	22°	MFD2401-4F	112°	MFD2501-3F	25°	MFD3401-5F	63°	MFD5301-5F	76°			
	MFD1501-4F	124°	MFD2401-5F	60°	MFD2501-5F	72°	MFD3401-6F	105°					
	MFD1501-5F	64°			MFD2501-6F	122°							
<b>Operation</b>	<b>Focus</b>	Fixed											
	<b>Zoom</b>	Fixed											
	<b>Iris</b>	Fixed											
<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>	PoE, 2-pin terminal block											
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 connector											
	<b>Audio</b>	1 In (Built-in microphone), 1 Out (RCA female for speaker)											
	<b>USB</b>	GV-WiFi adapter or USB hard drive											
	<b>Local Storage*</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported											
<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>		DC 5V, PoE (IEEE 802.3af)											
<b>Max. Power Consumption</b>		6 W											
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant											
<b>Dimensions</b>		ø106 x 53.9 mm (4.2" x 2.1")											
<b>Weight</b>		280 g (0.62 lb)											







**Note:**

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

- Mind the following limitations and requirements for the mini USB port:
  - The USB hard drive must be of 2.5" or 3.5", version 2.0 or above
  - The USB hard drive's storage capacity must not exceed 2TB
  - USB flash drives and USB hubs are not supported
  - External power supply is required for the USB hard drive
  - To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.



## Mini Fixed Rugged Dome Specifications





		GV-MDR220	GV-MDR320	GV-MDR520	GV-MDR1500 Series	GV-MDR3400 Series	GV-MDR5300 Series
							
<b>Camera</b>							
<b>Image Sensor</b>		1/2.5" progressive scan CMOS			1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
<b>Picture Elements</b>		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux			0.01 Lux	0.08 Lux	0.15 Lux
<b>Shutter Speed</b>	<b>B/W</b>	0.10 Lux			0.01 Lux	0.05 Lux	0.10 Lux
<b>White Balance</b>		Auto, Manual (1/5 ~ 1/8000 sec)					
<b>Gain Control</b>		Auto, Manual (2800K ~ 8500K)					
<b>S/N Ratio</b>		45 dB			55 dB	47 dB	45 dB
<b>WDR Pro (with WDR sensor)</b>		N/A			N/A	Yes	N/A
<b>Dynamic Range</b>		Up to 72 dB			Up to 72 dB	Up to 100 dB	Up to 72 dB
<b>Operation</b>							
<b>Video Compression</b>		H.264, MJPEG					
<b>Video Streaming</b>		Dual streams					
<b>Frame Rate</b>		30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
<b>Audio Compression</b>		G.711, AAC (optional)					
<b>Optical Lens</b>							
<b>Megapixel</b>		Yes					
<b>Day/Night</b>		Yes (electronic)					
<b>Lens Type</b>		Fixed Lens					
<b>Focal Length</b>		2.54 mm			MDR1500-1F 2.8 mm	MDR3400-1F 2.8 mm	MDR5300-1F 2.8 mm
					MDR1500-2F 3.8 mm	MDR3400-2F 3.8 mm	MDR5300-2F 3.8 mm
<b>Maximum Aperture</b>		F/2.8			MDR1500-1F F/2.0	MDR3400-1F F/2.0	MDR5300-1F F/2.0
					MDR1500-2F F/1.8	MDR3400-2F F/1.8	MDR5300-2F F/1.8
<b>Mount</b>		M12, Pitch 0.5 mm					
<b>Image Format</b>		1/2.5"					
<b>Horizontal FOV</b>		101°	110°	138°	MDR1500-1F 88°	MDR3400-1F 85°	MDR5300-1F 104°
					MDR1500-2F 64°	MDR3400-2F 63°	MDR5300-2F 76°
<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>		Ethernet (10/100 Base-T), RJ-45 connector			
		<b>Audio</b>		built-in microphone			
		<b>Local Storage</b>		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
<b>LED Indicator</b>		3 LEDs: Link, Power, Status					
<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>		PoE					
<b>Max. Power Consumption</b>		3.4 W	3.6 W	3.47 W	4.28 W	3.81 W	
<b>Regulatory</b>		CE, FCC, RCM, 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>Connector Diameter</b>		M12: ø 14.7 mm (0.58") Waterproof: ø 27 mm (1.06") Non-waterproof (Smaller) : 16.8 x 13.8 mm (0.66" x 0.54")			
<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.



## Target Series Specifications (Part 1)





		GV-EBX1100 Series		GV-EBL1100 Series		GV-EBL2100 Series		GV-EBL2101 (Coming)			
											
<b>Camera</b>											
<b>Image Sensor</b>		1/3" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS					
<b>Picture Elements</b>		1280 (H) x 1024 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)					
<b>Minimum Illumination</b>	<b>Color</b>	0.05 Lux		0.05 Lux		0.07 Lux		0.005 Lux			
	<b>B/W</b>	0.03 Lux		0.03 Lux		0.04 Lux		0.004 Lux			
	<b>IR ON</b>	0 Lux									
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)						Auto, Manual (1/30 ~ 1/16000 sec)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)									
<b>Gain Control</b>		Automatic									
<b>S/N Ratio</b>		50 dB		50 dB		48 dB		56 dB			
<b>Dynamic Range</b>		Up to 72 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					
<b>Audio Compression</b>		G.711, AAC (optional)				N/A					
<b>Optical Lens</b>											
<b>Megapixel</b>		Yes									
<b>Day/Night</b>		Yes (with removable IR-cut filter)									
<b>Lens Type</b>		Fixed						Varifocal			
<b>Focal Length</b>	GV-EBX1100-0F	2.8 mm	GV-EBL1100-1F	6 mm	GV-EBL2100-1F	6 mm	3 ~ 9 mm				
	GV-EBX1100-2F	3.8 mm	GV-EBL1100-2F	3.8 mm	GV-EBL2100-2F	3.8 mm					
<b>Maximum Aperture</b>	GV-EBX1100-0F	F/2.0	GV-EBL1100-1F	F/1.8	GV-EBL2100-1F	F/1.8	F/1.7				
	GV-EBX1100-2F	F/1.8	GV-EBL1100-2F	F/1.8	GV-EBL2100-2F	F/1.8					
<b>Mount</b>		M12, Pitch 0.5 mm						Ø14 mm			
<b>Image Format</b>		1/2.7"									
<b>Horizontal FOV</b>	GV-EBX1100-0F	93°	GV-EBL1100-1F	44°	GV-EBL2100-1F	51°	102° ~ 40°				
	GV-EBX1100-2F	64°	GV-EBL1100-2F	64°	GV-EBL2100-2F	72°					
<b>Operation</b>	<b>Focus</b>	Fixed						Manual (w/lock)			
	<b>Zoom</b>							Manual (w/lock)			
	<b>Iris</b>							P-Iris			
<b>IR LED Quantity</b>		8 IR LEDs		24 IR LEDs							
<b>Max. IR Distance</b>		15 m (50 ft)		30 m (98.4 ft)				75 m (246.06 ft)			
<b>Mechanical</b>											
<b>Camera Angle Adjustment</b>	<b>Pan</b>	N/A				0° ~ 360°					
	<b>Tilt</b>	N/A				90° ~ 180°					
<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)		N/A							
<b>LED Indicator</b>		2 LEDs: Power, Status		4 LEDs: Link, ACT, Power, Status * Inside camera, not visible from outside							
<b>General</b>											
<b>Environment Temperature</b>	0°C ~ 50°C (32°F ~ 122°F)		Start-up		-20°C ~ 50°C (-4°F ~ 122°F)		Start-up		-20°C ~ 50°C (-4°F ~ 122°F)		
			Operation		-30°C ~ 50°C (-22°F ~ 122°F)		Operation		-30°C ~ 50°C (-22°F ~ 122°F)		
<b>Humidity</b>		10% to 90% (no condensation)									
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)									
<b>Max. Power Consumption</b>		5.36 W		7.8 W		7.1 W					
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant									
<b>Dimensions (L X W X H)</b>		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")		115 x 76 x 73 mm (4.5" x 3.0" x 2.9")				142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")			
<b>Weight</b>		120 g (0.26 lb)		547 g (1.20 lb)				810 g (1.79 lb)			
<b>Ingress Protection</b>		N/A				IP67					
<b>Vandal Resistance</b>		N/A				IK10 for metal casing					

**Note:**

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



## Target Series Specifications (Part 2)

		GV-EFD1100 Series		GV-EFD2100 Series		GV-EDR1100 Series		GV-EDR2100 Series	
									
<b>Camera</b>									
<b>Image Sensor</b>		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	
<b>Picture Elements</b>		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.05 Lux		0.07 Lux		0.05 Lux		0.07 Lux	
	<b>B/W</b>	0.03 Lux		0.04 Lux		0.03 Lux		0.04 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		48 dB		50 dB		48 dB	
<b>Dynamic Range</b>		Up to 72 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		30 fps at 1280 x 1024		30 fps at 1920 x 1080	
<b>Audio Compression</b>		G.711, AAC (optional)				N/A			
<b>Optical Lens</b>									
<b>Megapixel</b>		Yes							
<b>Day/Night</b>		Yes (with removable IR-cut filter)							
<b>Lens Type</b>		Fixed							
<b>Focal Length</b>	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	
<b>Maximum Aperture</b>	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	
<b>Mount</b>		M12, Pitch 0.5 mm							
<b>Image Format</b>		1/2.7"							
<b>Horizontal FOV</b>	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°	
<b>Operation</b>	<b>Focus</b>	Fixed							
	<b>Zoom</b>	Fixed							
	<b>Iris</b>	Fixed							
<b>IR LED Quantity</b>		12 IR LEDs							
<b>Max. IR Distance</b>		15 m (50 ft)							
<b>Mechanical</b>									
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°							
	<b>Tilt</b>	0° ~ 63°							
<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)				N/A			
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status				4 LEDs: Link, ACT, Power, Status			
<b>General</b>									
<b>Environment Temperature</b>		0°C ~ 45°C (32°F ~ 113°F)				<b>Start-up</b>	-20°C ~ 50°C (-4°F ~ 122°F)		
						<b>Operation</b>	-30°C ~ 50°C (-22°F ~ 122°F)		
<b>Humidity</b>		10% to 90% (no condensation)							
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)							
<b>Max. Power Consumption</b>		5.8 W							
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant							
<b>Dimensions (L X W X H)</b>		ø 100 x 60 mm (3.9" x 2.4")				ø 114 x 62.8 mm (4.49" x 2.47")			
<b>Weight</b>		148 g (0.33 lb)				600 g (1.32 lb)			
<b>Ingress Protection</b>		N/A				IP67			
<b>Vandal Resistance</b>		N/A				IK10 for metal casing			





**Note:**

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





## Target Series Specifications (Part 3)

	GV-EFD2101	GV-EFD3101	GV-EVD2100	GV-EVD3100
				
<b>Camera</b>				
<b>Image Sensor</b>	1/2.8" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS
<b>Picture Elements</b>	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	Color	0.005 Lux	0.005 Lux	0.01 Lux
	B/W	0.004 Lux	0.01 Lux	0.01 Lux
	IR ON	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>	56 dB	54 dB	56 dB	54 dB
<b>WDR Pro (with WDR sensor)</b>	N/A	Yes	N/A	Yes
<b>Dynamic Range</b>	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB
<b>Operation</b>				
<b>Video Compression</b>	H.264, MJPEG			
<b>Video Streaming</b>	Dual streams			
<b>Frame Rate</b>	30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 1920 x 1080	30 fps at 2048 x 1536
<b>Audio Compression</b>	G.711, AAC (optional)			
<b>Audio Support</b>	Two-way Audio			
<b>Optical Lens</b>				
<b>Megapixel</b>	Yes			
<b>Day/Night</b>	Yes (with removable IR-cut filter)			
<b>Lens Type</b>	Varifocal			
<b>Focal Length</b>	3 ~ 9 mm			
<b>Maximum Aperture</b>	F/1.7			
<b>Mount</b>	Ø 14 mm			
<b>Image Format</b>	1/2.8"			
<b>Horizontal FOV</b>	102° ~ 40°	96° ~ 36°	102° ~ 40°	96° ~ 36°
<b>Operation</b>	Focus	Manual (with lock)		
	Zoom	Manual (with lock)		
	Iris	P-Iris		
<b>Maximum Torque (Focus / Zoom Screws)</b>	0.049 N.m			
<b>IR LED Quantity</b>	20 IR LEDs			
<b>Max. IR Distance</b>	50 m (164.04 ft)			
<b>Mechanical</b>				
<b>Camera Angle Adjustment</b>	Pan	0° ~ 350°		
	Tilt	0° ~ 75°		
	Rotate	0° ~ 340°		
<b>Connectors</b>	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable		
	Audio	1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")		
	TV-Out	BNC connector (D1 resolution)		
<b>LED Indicator</b>	2 LEDs: Power, Status			
<b>Temperature Detector</b>	Yes			
<b>General</b>				
<b>Environment Temperature</b>	Start-up	0 °C ~ 50 °C (32 °F ~ 122 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)
	Operation			-30 °C ~ 50 °C (-22 °F ~ 122 °F)
<b>Humidity</b>	10% to 90% (no condensation)			
<b>Power Source</b>	12V DC / PoE (IEEE 802.3af)			
<b>Max. Power Consumption</b>	5.8 W		6.1 W	
<b>Regulatory</b>	CE, FCC, RCM, RoHS compliant			
<b>Dimensions (L X W X H)</b>	Ø 125 x 99.5 mm (4.92" x 3.92")		Ø 160 x 108.4 mm (6.2" x 4.27")	
<b>Weight</b>	470 g (1.04 lb)		1.15 kg (2.54 lb)	
<b>Ingress Protection</b>	N/A		IP67	
<b>Vandal Resistance</b>	N/A		IK10 for metal casing	




### Note:

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





## PT and PTZ Camera Specifications





		GV-PT130D	GV-PT220D	GV-PT320D
				
<b>Camera</b>				
<b>Image Sensor</b>		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)
<b>Minimum Illumination</b>	Color	0.15 Lux		
	B/W	0.10 Lux		
	IR ON	0 Lux		
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/8000 sec)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)		
<b>Gain Control</b>		Automatic		
<b>BLC</b>		Yes		
<b>Dynamic Range</b>		Up to 72 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, AAC (optional)		
<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>Focal Length</b>		4.0 mm		
<b>Maximum Aperture</b>		F/1.5		
<b>Mount</b>		M12, Pitch 0.5 mm		
<b>Image Format</b>		1/2.5"		
<b>Horizontal FOV</b>		49°	58°	62°
<b>Operation</b>	Focus	Manual (w/lock)		
	Zoom	Fixed		
	Iris	Fixed		
<b>IR LED Quantity</b>		10 IR LEDs		
<b>Max. IR Distance</b>		15 m (50 ft)		
<b>Mechanical</b>				
<b>Camera Angle</b>	Pan	-175° ~ 175°		
<b>Adjustment</b>	Tilt	-45° ~ 90°		
<b>Temperature Detector</b>		Yes		
<b>Connectors</b>	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (built-in microphone or external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"		
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
<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 / 24V AC / PoE (IEEE 802.3af)		
<b>Max. Power Consumption</b>		12.5 W		
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		
<b>Dimensions</b>	With Base	167.75 x 166.78 x 135.2 mm (6.6" x 6.7" x 5.32")		
	Without Base	124.55 x 122.73 x 133.3 mm (4.9" x 4.83" x 5.25")		
<b>Weight</b>		440 g (0.97 lb)		

**Note:**

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



## Fisheye Camera Specifications (Part 1)







		GV-FE3402 (Indoor)	GV-FE5302 (Indoor)	GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
		Without IR Ring			
					
<b>Camera</b>					
<b>Image Sensor</b>		1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
<b>Picture Elements</b>		2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux
	<b>B/W</b>	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux
	<b>IR ON</b>	N/A			
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/8000 sec.)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		47 dB	45 dB	47 dB	45 dB
<b>WDR Pro (with WDR Sensor)</b>		Yes	N/A	Yes	N/A
<b>Dynamic Range</b>		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
<b>Operation</b>					
<b>Video Compression</b>		H.264, MJPEG			
<b>Video Streaming</b>		Dual Streams from H.264 or MJPEG			
<b>Frame Rate</b>		15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200
<b>Audio Compression</b>		G.711, AAC (optional)			
<b>Sensor Input</b>		N/A			
<b>Alarm Output</b>		N/A			
<b>Optical Lens</b>					
<b>Megapixel</b>		Yes			
<b>Day/Night</b>		Yes (with removable IR-cut filter)			
<b>Focal Length</b>		1.19 mm	1.32 mm	1.19 mm	1.32 mm
<b>Maximum Aperture</b>		F/2.0	F/2.0	F/2.0	F/2.0
<b>Mount</b>		M12, Pitch 0.5 mm			
<b>Image Format</b>		4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"
<b>Horizontal FOV</b>		180°			
<b>Operation</b>	<b>Focus</b>	Fixed			
	<b>Iris</b>	Fixed			
	<b>Zoom</b>	Fixed			
<b>Mechanical</b>					
<b>Temperature Detector</b>		Yes			
<b>Connectors</b>	<b>Power</b>	Terminal block (2 pin), PoE			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector			
	<b>Audio</b>	1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")		1 In (built-in microphone), 1 Out (built-in speaker)	
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
	<b>Mini USB</b>	GV-WiFi Adapter or USB hard drive		N/A	
<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 (IEEE 802.3af)			
<b>Max. Power Consumption</b>		8.6 W		3.6 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant			
<b>Dimensions</b>	<b>Camera Body</b>	<b>Hard-Ceiling Mount</b>	Ø 160.25 x 48.36 mm (6.31 x 1.93")		
		<b>In-Ceiling Mount</b>	Ø 166.48 x 48.36 mm (6.55 x 1.93")		
<b>Weight</b>		410 g (0.9 lb)		500 g (1.1 lb)	
<b>Ingress Protection</b>		N/A		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.**



## Fisheye Camera Specifications (Part 2)






	GV-FE3403 (Indoor)	GV-FE5303 (Indoor)	GV-FER3403 (Outdoor)	GV-FER5303 (Outdoor)	GV-FER12203 (Outdoor)	GV-UNFE2503 (Outdoor)	
	With IR Ring						
							
<b>Camera</b>							
<b>Image Sensor</b>	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low Lux CMOS	
<b>Picture Elements</b>	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux	0.1 Lux	
	<b>B/W</b>	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux	0.05 Lux	
	<b>IR ON</b>	0 Lux					0.02 Lux
<b>Shutter Speed</b>	Automatic, Manual (1/5 ~ 1/8000 sec.)				Automatic, Manual (1/30 ~ 1/16000 sec.)	Automatic, Manual (1/5 ~ 1/8000 sec.)	
<b>White Balance</b>	Auto, Manual (2800K ~ 8500K)						
<b>Gain Control</b>	Automatic						
<b>S/N Ratio</b>	47 dB	45 dB	47 dB	45 dB	52 dB		
<b>WDR Pro (with WDR Sensor)</b>	Yes	N/A	Yes	N/A	N/A		
<b>Dynamic Range</b>	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	N/A	Up to 72 dB	
<b>Operation</b>							
<b>Video Compression</b>	H.264, MJPEG						
<b>Video Streaming</b>	Dual streams from H.264 or MJPEG						
<b>Frame Rate</b>	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 4000 x 3000, 25 fps at 2896 x 2768	30 fps at 1920 x 1080	
<b>Audio Compression</b>	G.711, AAC (optional)				G.711, AAC (optional)	AAC 32K	
<b>Sensor Input</b>	N/A				1 input (Dry Contact)	N/A	
<b>Alarm Output</b>	N/A				1 Digital Output (200mA 5V DC)	N/A	
<b>Optical Lens</b>							
<b>Megapixel</b>	Yes						
<b>Day/Night</b>	Yes (with removable IR-cut filter)						
<b>Focal Length</b>	1.19 mm	1.32 mm	1.19 mm	1.32 mm	1.83 mm	1.19 mm	
<b>Maximum Aperture</b>	F/2.0				F/2.4	F/2.0	
<b>Mount</b>	M12, Pitch 0.5 mm				M12		
<b>Image Format</b>	4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"	1/1.7"	1/2.3"	
<b>Horizontal FOV</b>	180°						
<b>Operation</b>	<b>Focus</b>	Fixed					
	<b>Iris</b>	Fixed					
	<b>Zoom</b>	Fixed					
<b>IR LED Quantity</b>	6 IR LEDs				6 IR LEDs	8 IR LEDs	
<b>Max. IR Distance</b>	10 m (32.81 ft.)				30 m (98.43 ft)	10 m (32.81 ft.)	
<b>Mechanical</b>							
<b>Temperature Detector</b>	Yes						
<b>Connectors</b>	<b>Power</b>	Terminal block (2 pin), PoE					
	<b>Ethernet</b>	Ethernet (10/100/1000 Base-T), RJ-45 Connector					
	<b>Audio</b>	1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")	1 In (built-in microphone), 1 Out (built-in speaker)			1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")	1 In (built-in microphone)
	<b>Digital I/O</b>	N/A				3-pin terminal block, pitch 2.5 mm (0.1")	N/A
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported <b>* Currently, the local storage function is not supported for GV-FER12203</b>					
	<b>USB</b>	GV-WiFi Adapter or mini USB hard drive	N/A			GV-WiFi Adapter or USB hard drive <b>* Currently, the connection to USB hard drive is not supported.</b>	N/A
	<b>General</b>						
<b>Environment Temperature</b>	0 °C ~ 50 °C (32 °F ~ 122 °F)		-30°C ~ 50°C (-22°F ~ 122°F)		-40°C ~ 50°C (-40°F ~ 122°F)	-5 °C ~ 50 °C (23 °F ~ 122 °F)	
<b>Humidity</b>	10% to 90% (no condensation)						
<b>Power Source</b>	<b>w/o PoE Converter</b>	Camera: 12V DC / 24V AC / PoE (IEEE 802.3af) IR LED ring: 12V D				12V DC / 24V AC / PoE (IEEE 802.3at)	PoE (IEEE 802.3af)
	<b>w/ PoE Converter</b>	PoE (IEEE 802.3 at)		N/A			
	<b>w/o PoE Converter</b>	22 W		15.4 W		28 W	7.7 W
<b>w/ PoE Converter</b>	30 W		N/A				
<b>Regulatory</b>	CE, FCC, RCM, LVD, RoHS compliant						
<b>Dimensions</b>	<b>Camera Body</b>	<b>Hard-Ceiling Mount (with IR LED Ring)</b>	Ø 175 x 48.36 mm (6.89" x 1.93")			Ø 160.6 x 59.1 mm m (6.32" x 2.33")	<b>Body</b> 78.5 x 47.36 x 32.5 mm
						700 g (1.54 lb)	<b>Lens</b> Ø 80.35 x 115.12 mm
<b>Weight</b>	<b>w/o PoE Converter</b>		870 g (1.92 lb)	960 g (2.12 lb)		480 g (1.06 lb)	
	<b>w/ PoE Converter</b>		1.045 kg (2.3 lb)				
<b>Ingress Protection</b>	N/A				IP67		
<b>Vandal Resistance</b>	IK10+ for metal casing				IK10+ for metal casing		

**Note:**

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



## IP Speed Dome Camera Specifications


Camera		GV-SD220 (Indoor) 20X / 30X	GV-SD220-S (Outdoor) 20X / 30X	GV-SD2300 (Outdoor)	GV-SD2301 (Outdoor)	GV-SD2411 (Outdoor)
						
Image Sensor		1/2.8 Progressive Scan CMOS				
Picture Elements		1920 (H) x 1080 (V)				
Minimum Illumination	Color	0.05 lux at F/1.6		0.02 lux at F/1.6		0.05 lux at F/1.6
	B/W	0.005 lux at F/1.6		0.001 lux at F/1.6		0.002 lux at F/1.6
Shutter Speed		1/1 ~ 1/10000 sec				
White Balance		Auto / Manual				
Gain Control		Auto / Manual				
AGC Control		Auto / Manual		N/A		
S/N Ratio		> 50 dB (AGC Off)		50 dB (AGC Off)		
BLC		On / Off				
Optical Zoom		20x / 30x		20x		30x
Digital Zoom		12x			12x	
WDR Pro (with WDR sensor)		Yes		N/A		
Dynamic Range		Up to 100 dB		N/A		
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual Streams		Dual streams from H.264 or MJPEG		
Frame Rate		30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720				60/50 fps (60/50 Hz) at 1920 x 1080
Audio Compression		G.711, AAC (optional)				
Sensor Input		4		4 Input (Dry Contact)		
Alarm Output		1		1 Digital Output (200mA 5V DC)		
Pan Travel		360° endless				
Tilt Travel		0° ~ 180°			-20° ~ 200°	
Proportional Pan & Tilt		On / Off (pan and tilt speed is proportional to the zoom ratio)			N/A	
Auto Flip		Digital / Mechanical / Off			N/A	
Movement Speed		0.5° ~ 460°/s		N/A		
Presets		255				
Preset Accuracy		0.2°				
Preset Speed		0.5° ~ 460°/s				
Sequence		8		<b>Max Number</b>	8	
				<b>Max Presets Allowed</b>	16	
Auto Pan		8				
Cruise		4				
Tour		8				
Privacy Mask		8				
Wide Dynamic Range		On / Off				
Calibration		Auto / Manual		Up to 72 dB		Up to 100 dB
Optical Lens						
Megapixel		Yes		N/A		
Day/Night		Yes (with removable IR Cut Filter)				
Focal Length		4.7 ~ 94.0 mm (20x); 4.3 ~ 129 mm (30x)		4.7 ~ 94 mm		4.3 ~ 129 mm
Maximum Aperture		F / 1.6				
Operation		Auto/Manual		Auto/Manual		30x
Focus						
Iris				20x		
Zoom				Auto/Manual		
Mechanical						
Temperature Detector		Yes		N/A		
Power		DC Jack, PoE				
Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector		10/100 Base-T, RJ-45 connector		
Audio		1 in 1 out (RCA female)		1 in (RCA female for microphone)		
Digital I/O		4 in 1 out (I/O wires)		1 out (RCA female for speaker)		
Local Storage		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported <b>*The local storage function is not supported currently for GV-SD2411 (Outdoor) (Coming)</b>				
General						
Environment Temperature		-10 °C ~ 50 °C (14 °F ~ -122 °F)		-40 °C ~ 50 °C (-40 °F ~ -122 °F)		
Humidity		20% to 90% (no condensation)				
Power Source		24V AC / 24V DC / PoE (IEEE 802.3at)	24V AC / 24V DC / PoE++ (60 W)	24V AC ± 10%, 3A / 24V DC ± 10%, 3.75A / High PoE (PoE++)		
Max. Power Consumption		30 W	60 W (with 30 W heater)	60 W (with 30 W Heater)		50 W (with 30 W Heater)
Regulatory		CE, FCC, RCM, RoHS Compliant				
Dimensions Camera Body		ø 172 x 221.9 mm (7" x 8.8")	ø 220 x 297.75 mm (8.7" x 11.7")	ø 220 x 297.75 mm (8.66" x 11.72")		ø 211.63 x 232 mm (8.332" x 9.13")
Weight		3.2 Kg (7.1 lb)	4.7 Kg (10.4 lb)	4.7 kg (10.4 lb)		3.1 kg (6.82 lb)
Ingress Protection		-			IP67	
Vandal Resistance		-			IK10 for metal and polycarbonate casing	

**Note:**

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



## Pinhole Camera Specifications


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

### Note:

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



## Panoramic PTZ IP Camera

		GV-PPTZ7300 (Coming)
		
<b>Camera</b>		
<b>Image Sensor</b>		<b>FE:</b> 1/2.5" progressive scan CMOS; <b>SD:</b> 1/2.86" progressive scan CMOS
<b>Picture Elements</b>		<b>FE:</b> 2560 (H) x 1920 (V); <b>SD:</b> 1920 (H) x 1080 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux
	<b>B/W</b>	0.10 Lux
<b>Shutter Speed</b>		<b>FE:</b> Automatic, Manual (1/5 ~ 1/8000 sec.); <b>SD:</b> Automatic, Manual (1/6 ~ 1/60000 sec.)
<b>White Balance</b>		Automatic, Manual (2800K ~ 8500K)
<b>Gain Control</b>		<b>FE:</b> Automatic; <b>SD:</b> Automatic, Manual
<b>S/N Ratio</b>		<b>FE:</b> 45 dB; <b>SD:</b> 50 dB (AGC Off)
<b>WDR</b>		<b>FE:</b> Yes (WDR); <b>SD:</b> Yes (WDR Pro)
<b>Operation</b>		
<b>Video Compression</b>		H.264, MJPEG
<b>Video Streaming</b>		Dual streams from H.264 or MJPEG
<b>Frame Rate</b>		<b>FE:</b> 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 <b>SD:</b> 30 fps at 1920 x 1080, 60 fps at 1280 x 720, 640 x 360, 448 x 252 *The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
<b>Audio Compression</b>		G.711, AAC (optional)
<b>Sensor Input</b>		4 Input (Dry Contact)
<b>Alarm Output</b>		1 Digital Output (200 mA 5V DC)
<b>Pan Travel</b>		355°
<b>Tilt Travel</b>		-15° ~ 195°
<b>Proportional Pan &amp; Tilt</b>		Auto (Pan and tilt speed proportional to zoom ratio)
<b>Picture Flip</b>		On / Off
<b>Sequence</b>	<b>Max. Number</b>	8
	<b>Max. Presets</b>	16
<b>Auto Pan</b>		8
<b>Cruise</b>		4
<b>Tour</b>	<b>Max. Number</b>	8
	<b>Max. Number of Preset / Sequence / Auto Pan / Cruise</b>	16
<b>Privacy Mask</b>		8
<b>Wide Dynamic Range</b>		On / Off
<b>Optical Lens</b>		
<b>Megapixel</b>		Yes
<b>Day/Night</b>		Yes (with removable IR-cut filter)
<b>Focal Length</b>		<b>FE:</b> 1.32 mm; <b>SD:</b> 5.1 ~ 51 mm
<b>Maximum Aperture</b>		<b>FE:</b> F/2.0; <b>SD:</b> F/1.6
<b>Horizontal FOV</b>		<b>FE:</b> 180°; <b>SD:</b> 54° ~ 4.9°
<b>Operation</b>	<b>Focus</b>	<b>FE:</b> Fixed; <b>SD:</b> Auto / Manual
	<b>Zoom</b>	<b>FE:</b> Fixed; <b>SD:</b> 10x
<b>Iris</b>		<b>FE:</b> Fixed; <b>SD:</b> Auto / Manual
<b>Mechanical</b>		
<b>Temperature Detector</b>		Yes
<b>Connectors</b>	<b>Power</b>	DC Jack, PoE++
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector
	<b>Audio</b>	1 in (RCA female for microphone); 1 out (RCA female for speaker)
	<b>Digital I/O</b>	I/O wires
<b>Local Storage*</b>		2 SD card slots (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
<b>General</b>		
<b>Operating Temperature</b>		-40°C ~ 50°C (-40°F ~ 122°F)
<b>Heater</b>		Heater 1 On: 5°C (41°F); Off: 8°C (46.4°F) Heater 2 On: -7°C (19.4°F); Off: -2°C (28.4°F)
<b>Fan On</b>		45°C (113°F)
<b>Humidity</b>		20% to 90% (no condensation)
<b>Power Source</b>		DC 24V / AC 24V / High PoE (PoE++, 40 W)
<b>Max. Power Consumption</b>		40 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant
<b>Dimensions</b>		∅ 211.63 x 272.00 mm (8.332" x 10.709")
<b>Weight</b>		3.75 kg (8.27 lb)
<b>Ingress Protection</b>		IP67
<b>Vandal Resistance</b>		IK10 for metal and polycarbonate casing

**Note:**

- Specifications are subject to change without notice.
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- Mind the following when using an inserted memory card for recording:
  - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
  - The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
  - Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
  - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
  - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
  - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.