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To refer to all models prior to Nov 27, 2018, click [here](#).



## Box Camera Specifications


	GV-BX2700 Series		GV-BX4700 Series		GV-BX5700 Series		GV-BX8700	GV-BX12201	
	GV-BX2700-8F Fixed Lens	GV-BX2700-3V Varifocal Lens	GV-BX4700-8F Fixed Lens	GV-BX4700-3V Varifocal Lens	GV-BX5700-8F Fixed Lens	GV-BX5700-3V Varifocal Lens			
<b>Camera</b>									
<b>Image Sensor</b>	1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS		1/1.8" progressive scan low lux CMOS		1/2" progressive scan super low lux CMOS	1/1.7" progressive scan CMOS	
<b>Picture Elements</b>	1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		2592 (H) x 1944 (V)		3840 (H) x 2160 (V)	4000 (H) x 3000 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux		0.03 Lux		0.04 Lux		0.1 Lux	
	<b>B/W</b>	0.004 Lux		0.02 Lux		0.03 Lux		0.05 Lux	
	<b>IR ON</b>	0 Lux							
<b>Shutter Speed</b>	Automatic, Manual (1/5 ~ 1/16000 sec)								
<b>White Balance</b>	Automatic, Manual (2800 ~ 8500K)								
<b>Gain Control</b>	Automatic, Manual (1/5 ~ 1/16000 sec)								
<b>S/N Ratio</b>	Automatic, Manual (2800 ~ 8500K)		50 dB		50 dB		52 dB		
<b>WDR Pro (with WDR sensor)</b>	Yes		Yes		N/A		Yes	N/A	
<b>Dynamic Range</b>	130 dB		Up to 120 dB		Up to 72 dB		Up to 120 dB	Up to 72 dB	
<b>Operation</b>									
<b>Video Compression</b>	H.265, H.264, MJPEG							H.264, MJPEG	
<b>Video Streaming</b>	Triple streams from H.265, H.264 or MJPEG							Dual streams from H.264 or MJPEG	
<b>Frame Rate</b>	30 fps at 1920 x 1080		20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520		30 fps at 2592 x 1944		30 fps at 3840 x 2160	15 fps at 4000 x 3000 30 fps at 3840 x 2160	
<b>Audio Compression</b>	G.711								
<b>Audio Support</b>	Two-way Audio (external speaker required)								
<b>Sensor Input</b>	1 Input (Dry Contact)								
<b>Alarm Output</b>	1 Digital Output (200 mA 5 V 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	Fixed Lens	Varifocal Lens			
<b>Focal Length</b>	2.8 mm	3 ~ 10.5 mm	2.8 mm	3 ~ 10.5 mm	2.95 mm	3.6 ~ 10 mm		4.1 ~ 9 mm	
<b>Maximum Aperture</b>	F/1.8	F/1.4	F/1.8	F/1.4	F/2.0	F/1.5		F/1.6	
<b>Mount</b>	CS Mount								
<b>Image Format</b>	1/2.5"	1/2.7"	1/2.5"	1/2.7"		1/1.8"		1/1.8"	
<b>Horizontal FOV</b>	110°	100° ~ 35°	104°	78° ~ 31°	120°	90° ~ 40°	108° ~ 48°	109° ~ 50°	
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)							
	<b>Zoom</b>	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)		
	<b>Iris</b>	Fixed	P-Iris	Fixed	P-Iris	Fixed	P-Iris	DC drive	
<b>Mechanical</b>									
<b>Temperature Detector</b>	Yes								
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE							Ethernet (10/100/1000 Base-T), RJ-45 Connector
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector							Ethernet (10/100/1000 Base-T), RJ-45 Connector
	<b>Audio</b>	1 In (built-in or external microphone), 1 Out (3.5 mm stereo jack)							
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm/0.1"							
	<b>Auto Iris</b>	Not functional	Yes (with varifocal lens)	Not functional	Yes (with varifocal lens)	Not functional	Yes (with varifocal lens)		
	<b>Local Storage</b>	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is 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>	12 V DC / PoE (IEEE 802.3af)							12V DC / 24V AC / PoE (IEEE 802.3af)	
<b>Max. Power Consumption</b>	4.9 W			4.37 W			6 W	6 W	
<b>Regulatory</b>	CE, FCC, RCM, LVD, RoHS compliant						CE, FCC, LVD, RoHS compliant	CE, FCC, RCM, RoHS compliant	
<b>Dimensions</b>	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")							With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")	
<b>Weight</b>	320 g (0.7 lb)	350 g (0.77 lb)	330 g (0.72 lb)	350 g (0.77 lb)	330 g (0.72 lb)	350 g (0.77 lb)	320 g (0.7 lb)	545 g / 1.2 lb	

**Note:**

- The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
- Memory card slot (local storage) is not supported in Argentina.
- 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).



## IR Arctic Box Camera Specifications




		GV-BX4700-E
		
<b>Camera</b>		
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS
<b>Picture Elements</b>		2592 (H) x 1520 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.03 Lux
	<b>B/W</b>	0.02 Lux
	<b>IR ON</b>	0 Lux
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/16000 sec)
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)
<b>Gain Control</b>		Automatic
<b>S/N Ratio</b>		50 dB
<b>WDR Pro (with WDR Sensor)</b>		Yes
<b>Dynamic Range</b>		Up to 120 dB
<b>Operation</b>		
<b>Video Compression</b>		H.265, H.264, MJPEG
<b>Video Streaming</b>		Triple streams from H.265, H.264 or MJPEG
<b>Frame Rate</b>		20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520
<b>Audio Compression</b>		G.711
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)
<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>Lens Type</b>		Varifocal Lens
<b>Focal Length</b>		3 ~ 10.5 mm
<b>Maximum Aperture</b>		F/1.4
<b>Mount</b>		CS Mount
<b>Image Format</b>		1/2.7"
<b>Horizontal FOV</b>		78°~31°
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)
	<b>Zoom</b>	Manual (w/lock)
	<b>Iris</b>	P-Iris
<b>IR LED Quantity</b>		4 IR LEDs
<b>Max. IR Distance</b>		30 m (100 ft)
<b>Mechanical</b>		
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 330°
	<b>Tilt</b>	0° ~ 90°
<b>Temperature Detector</b>	<b>Power</b>	Yes
	<b>Ethernet</b>	PoE
<b>Connectors</b>	<b>Audio</b>	Ethernet (10/100 Base-T), RJ-45 connector 1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)
	<b>Auto Iris</b>	P-Iris
	<b>Digital I/O</b>	N/A
	<b>Local Storage</b>	N/A
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)
<b>LED Indicator</b>		1 LED: 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)
<b>Max. Power Consumption</b>		23 W
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant
<b>Dimensions (L X W X H) (Without lens)</b>		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")
<b>Weight</b>		3.2 Kg (7.1 lb)
<b>Ingress Protection</b>		IP67
<b>Vandal Resistance</b>		IK10 for metal casing
<b>Heater On</b>		-40°C ~ 8°C (-40°F ~ 46.4°F)
<b>Fan</b>		Constantly on

**Note:**

1. Memory card slot (local storage) is not supported in Argentina.
2. 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).



## Bullet Camera Specifications



		GV-BL2702	GV-BL4713	GV-BL8714
				
<b>Camera</b>				
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/2" progressive scan super low lux CMOS
<b>Picture Elements</b>		1920 (H) x 1080 (V)	2592 (H) x 1520 (V)	3840 (H) x 2160 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux	0.03 Lux	0.04 Lux
	<b>B/W</b>	0.004 Lux	0.02 Lux	0.03 Lux
	<b>IR ON</b>	0 Lux		
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/16000 sec)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)		
<b>Gain Control</b>		Automatic		
<b>S/N Ratio</b>		56 dB	50 dB	52 dB
<b>WDR Pro (with WDR sensor)</b>		Yes		
<b>Dynamic Range</b>		Up to 130 dB	Up to 120 dB	
<b>Operation</b>				
<b>Video Compression</b>		H.265, H.264, MJPEG		
<b>Video Streaming</b>		Triple streams		
<b>Frame Rate</b>		30 fps at 1920 x 1080	30 fps at 2048 x 1520	30 fps at 3840 x 2160
<b>Audio Compression</b>		G.711		
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)		
<b>Sensor Input</b>		1 input (Dry Contact)		
<b>Alarm Output</b>		1 digital output (200 mA 5 V 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>	GV-BL2702-3V	2.8 ~ 12 mm	2.8 ~ 12 mm	4 ~ 8 mm
	GV-BL2702-4V	6 ~ 50 mm		
	GV-BL2702-5V	9 ~ 22 mm		
<b>Maximum Aperture</b>	GV-BL2702-3V	F/1.7	F/1.7	F/1.44
	GV-BL2702-4V	F/1.6		
	GV-BL2702-5V	F/2.0		
<b>Mount</b>		Ø14 mm		
<b>Image Format</b>		1/2.7"		1/2.5"
<b>Horizontal FOV</b>	GV-BL2702-3V	110° ~ 38°	102° ~ 38°	102° ~ 62°
	GV-BL2702-4V	56° ~ 8°		
	GV-BL2702-5V	42° ~ 17°		
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)	Auto Focus	
	<b>Zoom</b>	Manual (w/lock)	4.3X optical zoom	2X optical zoom
	<b>Iris</b>		P-Iris	
<b>IR LED Quantity</b>		5 IR LEDs		
<b>Max. IR Distance</b>		60 m (200 ft)	60 m (200 ft)	40 m (130 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 microphone jack), 1 Out (3.5 mm stereo jack)		
	<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/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.		
<b>General</b>				
<b>Environment Temperature</b>	<b>Star-up</b>	-20 °C ~ 60 °C (-4 °F ~ 140 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	-20 °C ~ 60 °C (-4 °F ~ 140 °F)
	<b>Operation</b>	-30 °C ~ 60 °C (-22 °F ~ 140 °F)		-30 °C ~ 60 °C (-22 °F ~ 140 °F)
<b>Humidity</b>		10% ~ 90% (no condensation)		
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)		12 V DC / PoE+ (IEEE 802.3at)
<b>Max. Power Consumption</b>		12.3 W	12.9 W	18 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		CE, FCC, LVD, RoHS compliant
<b>Dimensions</b>		Ø121.8 x 406 mm (4.79" x 15.98")	Ø128.64 x 406 mm (5.06" x 15.98")	Ø292.75 x 95 x 95 mm (11.53" x 3.74" x 3.74")
<b>Weight</b>		2.04 kg (4.50 lb)	2.44 kg (5.38 lb)	1.26 kg (2.77 lb)
<b>Ingress Protection</b>		IP67		
<b>Vandal Resistance</b>		IK10 for metal casing		

**Note:**

1. Memory card slot (local storage) is not supported in Argentina.
2. 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).



## Vandal Proof Dome Specifications (Part 1)


		GV-VD2712	GV-VD4712	GV-VD4711	GV-VD5711
					
<b>Camera</b>					
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS	
<b>Picture Elements</b>		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux		0.04 Lux	
	<b>B/W</b>	0.004 Lux		0.02 Lux	
	<b>IR ON</b>	0 Lux			
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/16000 sec)		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		50 dB	
<b>WDR</b>		WDR Pro		Yes	
<b>Dynamic Range</b>		Up to 130 dB		Up to 120 dB	
<b>Operation</b>					
<b>Video Compression</b>		H.265, H.264, MJPEG			
<b>Video Streaming</b>		Triple streams			
<b>Frame Rate</b>		30 fps at 1920 x 1080		30 fps at 2048 x 1520	
				20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520	
<b>Audio Compression</b>		G.711			
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)			
<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>		2.8 ~ 12 mm		2.8 ~ 12 mm	
<b>Maximum Aperture</b>		F/1.2		F/1.7	
<b>Mount</b>		Ø14 mm			
<b>Image Format</b>		1/2.7"		1/1.8"	
<b>Horizontal FOV</b>		110° ~ 38°		90° ~ 35°	
				95° ~ 36°	
				90° ~ 48°	
<b>Operation</b>	<b>Focus</b>	Auto Focus			
	<b>Zoom</b>	4.3x optical zoom		2x Optical zoom	
	<b>Iris</b>	P-Iris			
<b>IR LED Quantity</b>		4 IR LEDs		6 IR LEDs	
<b>Max. IR Distance</b>		30 m (100 ft)			
<b>Mechanical</b>					
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 350°		-90° ~ 90°	
	<b>Tilt</b>	0° ~ 75°		0° ~ 85°	
	<b>Rotate</b>	0° ~ 340°		0° ~ 350°	
<b>3-axis Mechanism</b>		Yes			
<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 microphone jack), 1 Out (3.5 mm stereo jack)			
	<b>Digital I/O</b>	I/O Wires		3-pin terminal block, pitch 2.5 mm/0.1"	
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is 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 ~ 60 °C (-4 °F ~ 140 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
<b>Heat On</b>		N/A			
<b>Fan</b>		N/A			
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)		12V DC / 24V AC / PoE (IEEE 802.3at)	
<b>Max. Power Consumption</b>		8.64 W		8.16 W	
				25.5 W	
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant		CE, FCC, RCM, RoHS compliant	
<b>Dimensions</b>		ø160 x 108.4 mm (6.2" x 4.27")		ø176.5 x 118 mm (6.9" x 4.6")	
<b>Weight</b>		1.15 kg (2.54 lb)		1.83 kg (4.03 lb)	
<b>Ingress Protection</b>		IP67			
<b>Vandal Resistance</b>		IK10 for metal casing		IK10+	

**Note:**

- The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
- Memory card slot (local storage) is not supported in Argentina.
- 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).



## Vandal Proof Dome Specifications


		GV-VD2702	GV-VD4702
			
<b>Camera</b>			
Image Sensor		1/1.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)	2592 (H) x 1520 (V)
Minimum Illumination	Color	0.005 Lux	0.03 Lux
	B/W	0.004 Lux	0.02 Lux
	IR ON	0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/16000 sec)	Auto, Manual (1/5 ~ 1/8000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		56 dB	50 dB
WDR Pro (with WDR sensor)		Yes	
Dynamic Range		Up to 130 dB	Up to 120 dB
<b>Operation</b>			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG	
Frame Rate		30 fps at 1920 x 1080	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520
Audio Compression		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	
Sensor Input		1 Input (Dry Contact)	
Alarm Output		1 Output (200mA 5V DC)	
<b>Optical Lens</b>			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Varifocal Lens	
Focal Length		2.8 ~ 12 mm	
Maximum Aperture		F/1.7	
Mount		Ø14 mm	
Image Format		1/2.7"	
Horizontal FOV		110° ~ 38°	102° ~ 36°
Operation	Focus	Manual (w/lock)	
	Zoom	Manual (w/lock)	
	Iris	P-Iris	
IR LED Quantity		4 IR LEDs	
Max. IR Distance		30 m (100 ft)	
<b>Mechanical</b>			
Camera Angle Adjustment	Pan	0° ~ 350°	
	Tilt	0° ~ 75°	
	Rotate	0° ~ 340°	
3-axis Mechanism		Yes	
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block (DC 12V, 3A), PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)	
	Digital I/O	I/O wires	
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
TV-Out		BNC connector (640 x 480 resolution)	
LED Indicator		2 LEDs: Power, Status	
<b>General</b>			
Environment Temperature	Start-up	-20 °C ~ 60 °C (-4 °F ~ 140 °F)	
	Operation	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	
Humidity		10% ~ 90% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption		8.64 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant	
Dimensions		Ø160 x 108.4 mm (Ø 6.2" x 4.27")	
Weight		1.15 kg (2.54 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	

**Note:**

- The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
- Memory card slot (local storage) is not supported in Argentina.
- 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).



## Motorized IR IP Dome Specifications


		<b>GV-MD8710</b>
		
<b>Camera</b>		
<b>Image Sensor</b>		1/2" progressive scan super low lux CMOS
<b>Picture Elements</b>		3840 (H) x 2160(V)
<b>Minimum Illumination</b>	Color	0.04 Lux
	B/W	0.03 Lux
	IR ON	0 Lux
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/16000 sec)
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)
<b>Gain Control</b>		Automatic
<b>S/N Ratio</b>		52 dB
<b>WDR Pro (with WDR sensor)</b>		Yes
<b>Dynamic Range</b>		Up to 120 dB
<b>Operation</b>		
<b>Video Compression</b>		H.265, H.264, MJPEG
<b>Video Streaming</b>		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG
<b>Frame Rate</b>		30 fps at 3840 x 2160
<b>Audio Compression</b>		G.711
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)
<b>Sensor Input</b>		1 Input (Dry Contact)
<b>Alarm Output</b>		1 Output (200 mA 5 V 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>		4 ~ 8 mm
<b>Maximum Aperture</b>		F/1.44
<b>Mount</b>		Ø14 mm
<b>Image Format</b>		1/2.5"
<b>Horizontal FOV</b>		112° ~ 61°
<b>Operation</b>	Focus	Automatic
	Zoom	2X optional zoom
	Iris	P-Iris
<b>IR LED Quantity</b>		4 IR LEDs
<b>Max. IR Distance</b>		30 m (100 ft)
<b>Mechanical</b>		
<b>Camera Angle Adjustment</b>	Pan	0° ~ 350°
	Tilt	0° ~ 75°
	Rotate	0° ~ 340°
<b>3-axis Mechanism</b>		Yes
<b>Temperature Detector</b>		Yes
<b>Connectors</b>	Power	2-pin terminal block (DC 12 V, 1.25 A), PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)
	Digital I/O	I/O wires
<b>Local Storage</b>		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
<b>LED Indicator</b>		2 LEDs: Power, Status
<b>General</b>		
<b>Environment Temperature</b>	Start-up	0 °C ~ 50 °C (32 °F ~ 122 °F)
	Operation	
<b>Humidity</b>		10% ~ 90% (no condensation)
<b>Power Source</b>		12 V DC / PoE (IEEE 802.3af)
<b>Max. Power Consumption</b>		9.5 W
<b>Regulatory</b>		CE, FCC, LVD, RoHS compliant
<b>Dimensions</b>		ø125 x 99.5 mm (ø 4.92" x 3.92")
<b>Weight</b>		500 g (1.10 lb)

**Note:**

1. Memory card slot (local storage) is not supported in Argentina.
2. 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).



## Mini Fixed Dome Specifications (Part 1)

		GV-MFD2700 Series		GV-MFD4700 Series	
					
<b>Camera</b>					
Image Sensor		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.005 Lux		0.03 Lux	
	B/W	0.004 Lux		0.02 Lux	
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/16000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		56 dB		50 dB	
WDR Pro (with WDR Sensor)		Yes			
Dynamic Range		Up to 130 dB		Up to 120 dB	
<b>Operation</b>					
Video Compression		H.265, H.264, MJPEG			
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 and 3 from H.265, H.264 or MJPEG			
Frame Rate		50 Hz: 25 fps at 1920 x 1080 60 Hz: 30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520	
Audio Compression		G.711			
Audio Support		Two-way Audio (external speaker required)			
<b>Optical Lens</b>					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed			
Focal Length	MFD2700-0F	2.8 mm		MFD4700-0F	2.8 mm
	MFD2700-2F	3.8 mm		MFD4700-2F	3.8 mm
	MFD2700-6F	2.3 mm		MFD4700-6F	2.3 mm
Maximum Aperture	MFD2700-0F	F/2.0		MFD4700-0F	F/2.0
	MFD2700-2F	F/1.8		MFD4700-2F	F/1.8
	MFD2700-6F	F/2.2		MFD4700-6F	F/2.2
Mount		M12, Pitch 0.5 mm			
Image Format		1/2.7"			
Horizontal FOV	MFD2700-0F	100°		MFD4700-0F	96°
	MFD2700-2F	72°		MFD4700-2F	72°
	MFD2700-6F	140°		MFD4700-6F	129°
Operation	Focus / Zoom / Iris	Fixed			
<b>Mechanical</b>					
Camera Angle Adjustment	Pan	-45° ~ 45°			
	Tilt	0° ~ 70°			
	Rotate	0° ~ 360°			
Temperature Detector		Yes			
Connectors	Power	PoE, 2-pin terminal block			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (built-in or external microphone) 1 Out (3.5 mm stereo jack)			
	USB	GV-WiFi adapter or USB hard drive			
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported			
LED Indicator		2 LEDs: Power, Status			
Max. IR Distance		20 m (65 ft)			
<b>General</b>					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		6.5 W		7.5 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimensions		ø 110 x 72.83 mm (ø 4.33" x 2.86")			
Weight		200 g (0.44 lb)			


**Note:**

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








## Mini Fixed Dome Specifications (Part 2)

		<b>GV-TFD4700</b>
		
<b>Camera</b>		
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS
<b>Picture Elements</b>		2688 (H) x 1520 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux (F2.0, AGC ON)
	<b>B/W</b>	0 Lux
	<b>IR ON</b>	N/A
<b>Shutter Speed</b>		Auto / Manual (1 ~ 1/100000 sec)
<b>White Balance</b>		Auto / Manual
<b>Gain Control</b>		Auto / Manual
<b>S/N Ratio</b>		52 dB
<b>WDR Pro (with WDR Sensor)</b>		Yes
<b>Dynamic Range</b>		120 dB
<b>Operation</b>		
<b>Video Compression</b>		H.265, H.264, MJPEG
<b>Video Streaming</b>		Triple streams from H.265, H.264 or MJPEG
<b>Frame Rate</b>		30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 1920 x 1080 (60 / 50 Hz)
<b>Audio Compression</b>		G.711
<b>Audio Support</b>		Two-way Audio (external speaker required)
<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>		2.8 mm
<b>Maximum Aperture</b>		F/2.0
<b>Mount</b>		M12
<b>Image Format</b>		1/3"
<b>Horizontal FOV</b>		95°
<b>Operation</b>	<b>Focus / Zoom / Iris</b>	Fixed
<b>Mechanical</b>		
<b>Camera Angle Adjustment</b>	<b>Pan</b>	3° ~ 360°
	<b>Tilt</b>	0° ~ 68°
	<b>Rotate</b>	3° ~ 360°
<b>Temperature Detector</b>		No
<b>Connectors</b>	<b>Power</b>	2-pin terminal block (DC 12 V, 1.25 A), PoE
	<b>Ethernet</b>	RJ-45 connector
	<b>Audio</b>	1 in (built-in microphone) 4-pin terminal block pitch 2.5 mm (0.1") (Audio In & Audio Out)
	<b>Digital I/O</b>	4-pin terminal block pitch 2.5 mm (0.1")
	<b>USB</b>	N/A
<b>Local Storage</b>		Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card type is not supported.
<b>LED Indicator</b>		N/A
<b>Max. IR Distance</b>		30 m (100 ft)
<b>General</b>		
<b>Environment Temperature</b>		-35°C ~ 60°C (-31°F ~ 140°F)
<b>Humidity</b>		0% ~ 95% (no condensation)
<b>Power Source</b>		12 V DC / PoE (IEEE802.3af)
<b>Max. Power Consumption</b>		5.5 W
<b>Regulatory</b>		FCC, CE, RoHS compliant
<b>Dimensions</b>		∅ 108.6 x 61.8mm (∅4.28" x 2.43")
<b>Weight</b>		0.22 kg (0.49 lb)





## Target Series Specifications (Part 1)

		GV-EBL2101	GV-EBL4702 Series	GV-EBL4711
				
<b>Camera</b>				
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	
<b>Picture Elements</b>		1920 (H) x 1080 (V)	2592 (H) x 1520 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux	0.03 Lux	
	<b>B/W</b>	0.004 Lux	0.02 Lux	
	<b>IR ON</b>	0 Lux	0 Lux	
<b>Shutter Speed</b>		Auto, Manual (1/30 ~ 1/16000 sec)	0.004 Lux	
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)	0 Lux	
<b>Gain Control</b>		Automatic		
<b>S/N Ratio</b>		56 dB	50 dB	
<b>WDR</b>		Yes	WDR Pro	
<b>Dynamic Range</b>		Up to 72 dB	Up to 120 dB	
<b>Operation</b>				
<b>Video Compression</b>		H.264, MJPEG	H.265, H.264, MJPEG	
<b>Video Streaming</b>		Dual streams	Triple streams	
<b>Frame Rate</b>		30 fps at 1920 x 1080	30 fps at 2048 x 1520	
<b>Audio Support</b>		N/A	N/A	
<b>Optical Lens</b>				
<b>Megapixel</b>		Yes	Yes	
<b>Day/Night</b>		Yes (with removable IR-cut filter)		
<b>Lens Type</b>		Varifocal	Fixed	Motorized varifocal
<b>Focal Length</b>		3 ~ 9 mm	GV-EBL4702-1F	6 mm
			GV-EBL4702-2F	3.8 mm
			GV-EBL4702-3F	2.8 mm
			2.7 ~ 12 mm	
<b>Maximum Aperture</b>		F/1.7	GV-EBL4702-1F	F/2.0
			GV-EBL4702-2F	F/1.8
			GV-EBL4702-3F	F/2.0
			F/1.6	
<b>Mount</b>		Ø14 mm	Ø12 mm	Ø14 mm
<b>Image Format</b>		1/2.7"	1/2.7"	
<b>Horizontal FOV</b>		102° ~ 40°	GV-EBL4702-1F	51°
			GV-EBL4702-2F	72°
			GV-EBL4702-3F	96°
<b>Operation</b>		<b>Focus</b>	Fixed	Auto
		<b>Zoom</b>		4.4x optical zoom
		<b>Iris</b>		P-Iris
<b>IR LED Quantity</b>		24 IR LEDs	6 IR LEDs	
<b>Max. IR Distance</b>		75 m (250 ft)	30 m (100 ft)	
<b>Mechanical</b>				
<b>Camera Angle Adjustment</b>		<b>Pan</b>	0° ~ 360°	
		<b>Tilt</b>	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>	N/A	
		<b>Local Storage</b>	N/A	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status	2 LEDs: Power, Status	
<b>General</b>				
<b>Environment Temperature</b>		<b>Startup</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>		7.1 W	9.12 W	13.12 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		
<b>Dimensions (L X W X H)</b>		142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")	129.54 x 80 x 102.75 mm (5.1" x 3.15" x 4.05")	
<b>Weight</b>		810 g (1.79 lb)	825 g (1.81 lb)	880 g (1.94 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).




## Target Series Specifications (Part 2)

		GV-ABL2701 Series		GV-ABL2703	GV-TBL2703	GV-ABL4701 Series		GV-ABL4703	GV-TBL4703	GV-ABL2702	GV-TBL4700				
															
<b>Camera</b>															
<b>Image Sensor</b>		1/2.7" progressive scan low lux CMOS				1/3" progressive scan super low lux CMOS				1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS			
<b>Picture Elements</b>		1920 (H) x 1080 (V)				2592 (H) x 1520 (V)				1920 (H) x 1080 (V)		2592 (H) x 1520 (V)			
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux (F1.8, AGC ON)		0.02 Lux (F2.0, AGC ON)		0.02 Lux (F1.8, AGC ON)		0.03 Lux (F2.0, AGC ON)		0.002 Lux (F1.6, AGC ON)		0.01 Lux (F1.6, AGC ON)			
	<b>B/W</b>	N/A													
	<b>IR ON</b>	0 Lux													
<b>Shutter Speed</b>		Auto / Manual (1/6 ~ 1/100000 sec)									Auto / Manual (1/25 ~ 1/100000 sec)				
<b>White Balance</b>		Auto / Manual													
<b>Gain Control</b>		Auto / Manual													
<b>S/N Ratio</b>		52 dB													
<b>WDR</b>		Yes								WDR Pro		Yes			
<b>Dynamic Range</b>		Up to 72 dB								Up to 120 dB		Up to 72 dB			
<b>Operation</b>															
<b>Video Compression</b>		H.265, H.264, MJPEG													
<b>Video Streaming</b>		Triple streams													
<b>Frame Rate</b>		25 fps at 1920 x 1080		30 fps at 1920 x 1080		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		20 fps at 2592 x 1520		30 fps at 1920 x 1080		20 fps at 2592 x 1520			
<b>Audio Compression</b>		N/A								G.711		N/A			
<b>Audio Support</b>		N/A								Two-way Audio (external microphone and speaker required)		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>		0F / 1F	4 mm / 6 mm	0F / 1F	4 mm / 6 mm	0F / 1F	4 mm / 6 mm	4 mm	2.8 ~ 12 mm						
<b>Maximum Aperture</b>		0F / 1F	F/1.8	0F / 1F	F/2.0	0F / 1F	F/1.8	F/2.0	F/1.6						
<b>Mount</b>		M12								Ø14 mm					
<b>Image Format</b>		0F / 1F	1/2.7"	0F / 1F	1/2.7"	0F / 1F	1/3"	1/3"	1/2.8"						
<b>Horizontal FOV</b>		0F	90°	0F	86°	0F	78°	80°	92° ~ 34°		96° ~ 32°				
		1F	55°	1F	55°	1F	49°								
<b>Operation</b>		<b>Focus</b>	Fixed								Manual (with lock)				
		<b>Zoom</b>	Fixed								Manual (with lock)				
		<b>Iris</b>	Fixed								Fixed				
<b>IR LED Quantity</b>		1 IR LED								3 IR LEDs		2 IR LEDs			
<b>Max. IR Distance</b>		30 m (100 ft)								50 m (165 ft)		30 m (100 ft)			
<b>Mechanical</b>															
<b>Camera Angle Adjustment</b>		<b>Pan</b>		0° ~ 360°											
		<b>Tilt</b>		0° ~ 90°						0° ~ 120°					
		<b>Rotate</b>		0° ~ 360°											
<b>Connectors</b>		<b>Power</b>		DC Jack, PoE											
		<b>Ethernet</b>		Ethernet (10/100 Base-T), RJ-45 cable											
		<b>Audio</b>		N/A								1 In (Audio In Wire)		1 Out (Audio Out Wire)	
		<b>Digital I/O</b>		N/A								4-pin terminal block, pitch 3.5 mm (0.14")		N/A	
		<b>Local Storage</b>		N/A								Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.			
		<b>TV Out</b>		N/A											
		<b>General</b>													
<b>Environment Temperature</b>		<b>Startup</b>		-30°C ~ 60°C (-22°F ~ 140°F)						-35°C ~ 60°C (-31°F ~ 140°F)					
		<b>Operation</b>													
<b>Humidity</b>		0% ~ 95% (no condensation)		10% ~ 90% (no condensation)		0% ~ 95% (no condensation)		10% ~ 90% (no condensation)		0% ~ 95% (no condensation)					
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)													
<b>Max. Power Consumption</b>		5 W		4.5 W		5.5 W		4 W		9 W		7 W			
<b>Regulatory</b>		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant			
<b>Dimensions (L X W X H)</b>		162.9 x 62.4 x 62.7 mm (6.4" x 2.5" x 2.5")								244 x 96 x 74 mm (9.6" x 3.8" x 2.9")					
<b>Weight</b>		0.25 kg (0.55 lb)		0.37 kg (0.81 lb)		0.25 kg (0.55 lb)		0.37 kg (0.81 lb)		0.58 kg (1.28 lb)		1 kg (2.2 lb)			
<b>Ingress Protection</b>		IP66		IP67		IP66				IP67					
<b>Vandal Resistance</b>		N/A								IK10 for metal casing					




### Target Series Specifications (Part 3)

		GV-ABL4712	GV-TBL4710	GV-ABL4711	GV-TBL4711	GV-ABL8712	GV-TBL8710
							
<b>Camera</b>							
<b>Image Sensor</b>		1/3" progressive scan super low lux CMOS				1/2" progressive scan super low lux CMOS	
<b>Picture Elements</b>		2592 (H) x 1520 (V)		2688 (H) x 1520 (V)		3840 (H) x 2160 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux (F1.4, AGC ON)		0.003 Lux (F1.6, AGC ON)		0.003 Lux (F1.5, AGC ON)	
	<b>B/W</b>	N/A					
	<b>IR ON</b>	0 Lux					
<b>Shutter Speed</b>		Auto / Manual (1/6 ~ 1/100000 sec)					
<b>White Balance</b>		Auto / Manual					
<b>Gain Control</b>		Auto / Manual					
<b>S/N Ratio</b>		52 dB					
<b>WDR</b>		WDR Pro					
<b>Dynamic Range</b>		Up to 120 dB					
<b>Operation</b>							
<b>Video Compression</b>		H.265, H.264, MJPEG					
<b>Video Streaming</b>		Triple streams					
<b>Frame Rate</b>		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 2304 x 1296		20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1440 / 2560 x 1440	
<b>Audio Compression</b>		G.711					
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)					
<b>Optical Lens</b>							
<b>Megapixel</b>		Yes					
<b>Day/Night</b>		Yes (with removable IR-cut filter)					
<b>Lens Type</b>		Motorized varifocal					
<b>Focal Length</b>		2.8 ~ 12 mm					
<b>Maximum Aperture</b>		F/1.4		F/1.6		F/1.5	
<b>Mount</b>		Ø14 mm					
<b>Image Format</b>		1/3"				1/2"	
<b>Horizontal FOV</b>		27° ~ 91°		31 ~ 98°		114.8° ~ 47.3°	
<b>Operation</b>	<b>Focus</b>	Auto / Manual					
	<b>Zoom</b>	4.3x optical zoom					
	<b>Iris</b>	Fixed					
<b>IR LED Quantity</b>		2 IR LEDs		3 IR LEDs		3 IR LEDs	
<b>Max. IR Distance</b>		30 m (100 ft)		50 m (165 ft)		50 m (165 ft)	
<b>Mechanical</b>							
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 360°					
	<b>Tilt</b>	0° ~ 120°					
	<b>Rotate</b>	0° ~ 360°					
<b>Connectors</b>	<b>Power</b>	DC Jack, PoE					
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable					
	<b>Audio</b>	1 In (Audio In Wire), 1 Out (Audio Out Wire)					
	<b>Digital I/O</b>	4-pin terminal block, pitch 3.5 mm (0.14")					
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.					
	<b>TV Out</b>	N/A				BNC Connector	
<b>General</b>							
<b>Environment Temperature</b>	<b>Startup</b>	-35°C ~ 60°C (-31°F ~ 140°F)		-30 ~ 60°C (-22 ~ 140°F)		-35°C ~ 60°C (-31°F ~ 140°F)	
	<b>Operation</b>						
<b>Humidity</b>		0% ~ 95% (no condensation)					
<b>Power Source</b>		12 V DC / PoE (IEEE 802.3af)					
<b>Max. Power Consumption</b>		9 W      10 W		9.5 W		9 W      10 W	
<b>Regulatory</b>		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant      FCC, CE, RoHS compliant	
<b>Dimensions (L X W X H)</b>		244 x 96 x 74 mm (9.6" x 3.8" x 2.9")					
<b>Weight</b>		0.58 kg (1.28 lb)		1.0 kg (2.2 lb)		0.58 kg (1.28 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).




## Target Series Specifications (Part 4)

		GV-EFD4700 Series		GV-EFD2700 Series		
						
<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>		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		
<b>Minimum Illumination</b>	<b>Color</b>	0.03 Lux		0.005 Lux		
	<b>B/W</b>	0.02 Lux		0.004 Lux		
	<b>IR ON</b>	0 Lux		0 Lux		
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)		Automatic, manual (1/5 ~ 1/16000 sec)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				
<b>Gain Control</b>		Automatic				
<b>S/N Ratio</b>		50 dB		56 dB		
<b>WDR</b>				WDR Pro		
<b>Dynamic Range</b>		Up to 120 dB		Up to 130 dB		
<b>Operation</b>						
<b>Video Compression</b>		H.265, H.264, MJPEG				
<b>Video Streaming</b>		Triple streams from H.265, H.264 or MJPEG		Dual streams from H.265, H.264 or MJPEG		
<b>Frame Rate</b>		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080		
<b>Audio Compression</b>		G.711				
<b>Audio Support</b>		One-way Audio				
<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-EFD4700-0F / EFD2700-0F		2.8 mm			
	GV-EFD4700-2F / EFD2700-2F		3.8 mm			
<b>Maximum Aperture</b>	GV-EFD4700-0F / EFD2700-0F		F/2.0			
	GV-EFD4700-2F / EFD2700-2F		F/1.8			
<b>Mount</b>		M12, Pitch 0.5 mm				
<b>Image Format</b>		1/2.7"				
<b>Horizontal FOV</b>	GV-EFD4700-0F		96°	GV-EFD2700-0F		100°
	GV-EFD4700-2F		72°	GV-EFD2700-2F		73°
<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)		40 m (130 ft)		
<b>Mechanical</b>						
<b>Camera Angle</b>	<b>Pan</b>	-45° ~ 45°				
<b>Adjustment</b>	<b>Tilt</b>	0° ~ 63°				
	<b>Power</b>	2-pin terminal block, PoE				
<b>Connectors</b>	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable				
	<b>Audio</b>	1 In (built-in microphone)				
	<b>Local Storage</b>	N/A		Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II/SDXC card type is not supported.		
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status				
<b>General</b>						
<b>Environment Temperature</b>		0°C ~ 45°C (32°F ~ 113°F)				
<b>Humidity</b>		10% to 90% (no condensation)				
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)				
<b>Max. Power Consumption</b>		6.07 W				
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant				
<b>Dimensions (L X W X H)</b>		ø 100 x 60 mm (3.9" x 2.4")				
<b>Weight</b>		148 g (0.33 lb)				
<b>Ingress Protection</b>		N/A				
<b>Vandal Resistance</b>		N/A				

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 5)

		GV-EDR4700 Series		GV-EDR2700 Series	
					
<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>		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.03 Lux		0.005 Lux	
	<b>B/W</b>	0.02 Lux		0.004 Lux	
	<b>IR ON</b>	0 Lux		0 Lux	
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/16000 sec)			
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)			
<b>Gain Control</b>		Automatic			
<b>S/N Ratio</b>		50 dB		56 dB	
<b>WDR</b>		WDR Pro			
<b>Dynamic Range</b>		Up to 120 dB		Up to 130 dB	
<b>Operation</b>					
<b>Video Compression</b>		H.265, H.264, MJPEG			
<b>Video Streaming</b>		Triple streams		Dual streams	
<b>Frame Rate</b>		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080	
<b>Audio Support</b>		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-EDR4700-0F / EDR2700-0F			2.8 mm	
	GV-EDR4700-2F / EDR2700-2F			3.8 mm	
<b>Maximum Aperture</b>	GV-EDR4700-0F / EDR2700-0F			F/2.0	
	GV-EDR4700-2F / EDR2700-2F			F/1.8	
<b>Mount</b>		M12, Pitch 0.5 mm			
<b>Image Format</b>		1/2.7"			
<b>Horizontal FOV</b>	GV-EDR4700-0F	96°		GV-EDR2700-0F	100°
	GV-EDR4700-2F	72°		GV-EDR2700-2F	73°
<b>Operation (Focus/Zoom/Iris)</b>		Fixed			
<b>IR LED Quantity</b>		12 IR LEDs			
<b>Max. IR Distance</b>		15 m (50 ft)		40 m (130 ft)	
<b>Mechanical</b>					
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°			
	<b>Tilt</b>	0° ~ 63°			
	<b>Rotate</b>	N/A			
<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>	N/A			
	<b>Local Storage</b>	N/A		Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II/SDXC card type is not supported.	
<b>LED Indicator</b>		4 LEDs: Link, ACT, Power, Status			
<b>General</b>					
<b>Environment</b>	<b>Start-up</b>	-20°C ~ 50°C (-4°F ~ 122°F)		-20°C ~ 60°C (-4°F ~ 140°F)	
	<b>Operation</b>	-30°C ~ 50°C (-22°F ~ 122°F)		-30°C ~ 60°C (-22°F ~ 140°F)	
<b>Humidity</b>		10% to 90% (no condensation)			
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)			
<b>Max. Power Consumption</b>		6.07 W			
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant			
<b>Dimensions (L X W X H)</b>		ø 114 x 62.8 mm (4.49" x 2.47")			
<b>Weight</b>		600 g (1.32 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).





## Target Series Specifications (Part 6)

	GV-ADR2701	GV-ADR2702	GV-TDR2702	GV-TDR2700	GV-TDR4700	GV-ADR4701	GV-ADR4702	GV-TDR4702	GV-TDR4703			
												
<b>Camera</b>												
<b>Image Sensor</b>	1/2.7" progressive scan low lux CMOS			1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS						
<b>Picture Elements</b>	1920 (H) x 1080 (V)				2592(H) x 1520 (V)				2688 (H) x 1520 (V)			
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux (F1.8, AGC ON)	0.02 Lux (F2.0, AGC ON)	0.001 Lux (F1.6, AGC ON)	0.03 Lux (F2.0, AGC ON)	0.02 Lux (F1.8, AGC ON)	0.03 Lux (F2.0, AGC ON)	0.01 Lux (F2.0, AGC ON)				
	<b>B/W</b>	N/A										
	<b>IR ON</b>	0 Lux										
<b>Shutter Speed</b>	Auto / Manual (1/6 ~ 1/100000 sec)			Auto / Manual (1 ~ 1/100000 sec)		Auto / Manual (1/6 ~ 1/100000 sec)		Auto / Manual (1 ~ 1/100000 sec)				
<b>White Balance</b>	Auto / Manual											
<b>Gain Control</b>	Auto / Manual											
<b>S/N Ratio</b>	52 dB								56 dB			
<b>WDR</b>	Yes			WDR Pro		Yes		WDR Pro				
<b>Dynamic Range</b>	Up to 72 dB			Up to 120 dB		Up to 72 dB		Up to 120 dB				
<b>Operation</b>												
<b>Video Compression</b>	H.265, H.264, MJPEG											
<b>Video Streaming</b>	Triple streams											
<b>Frame Rate</b>	25 fps at 1920 x 1080	30 fps at 1920 x 1080			20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		20 fps at 2592 x 1520		30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 1920 x 1080			
<b>Audio Compression</b>	N/A			G.711		N/A		G.711				
<b>Audio Support</b>	N/A			Two-way Audio (external microphone and speaker required)		N/A		Two-way Audio (external microphone and speaker required)				
<b>Digital I/O</b>	<b>Input</b>	N/A			1 Input, dry contact, NO / NC		N/A		1 Input, dry contact, NO / NC			
	<b>Output</b>	N/A			1 Relay Output (1A 30V DC / 0.3A 125V AC)		N/A		1 Relay Output (1A 30V DC / 0.3A 125V AC)			
<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>	2.8 mm	0F 1F	2.8 mm 4.0 mm	0F 1F	2.8 mm 4.0 mm	0F 1F	2.8 mm 3.6 mm	2.8 mm 4.0 mm	0F 1F	2.8 mm 4.0 mm	2F 4F	2.8 mm 4.0 mm
<b>Maximum Aperture</b>	F/1.8	F/2.0		F/1.6		F2.0		F/1.8	F/2.0			
<b>Mount</b>	M12											
<b>Image Format</b>	1/2.7"			1/2.8"		1/3"						
<b>Horizontal FOV</b>	105.2°	0F 1F	110° 83°	0F 1F	111° 81°	0F 1F	100° 78°	101°	0F 1F	101° 76°	2F 4F	95° 82°
	Fixed											
<b>IR LED Quantity</b>	1 IR LED											
<b>Max. IR Distance</b>	30 m (100 ft)											
<b>Mechanical</b>												
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 360°										
	<b>Tilt</b>	0° ~ 68°	0° ~ 75°				0° ~ 68°	0° ~ 75°		0° ~ 90°		
	<b>Rotate</b>	N/A			0° ~ 360°		N/A		0° ~ 360°			
<b>Connectors</b>	<b>Power</b>	DC Jack, PoE										
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable										
	<b>Audio</b>	N/A			2 In (Audio In Wire) 1 Out (Audio Out Wire)		N/A		1 In (Audio In Wire) 1 Out (Audio Out Wire)			
	<b>Local Storage</b>	N/A			Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		N/A		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.			
<b>LED Indicator</b>												
N/A												
<b>General</b>												
<b>Environment Temperature</b>	-30°C ~ 60°C (-22°F ~ 140°F)			-35°C ~ 60°C (-31°F ~ 140°F)		-30°C ~ 60°C (-22°F ~ 140°F)		-35°C ~ 60°C (-31°F ~ 140°F)				
<b>Humidity</b>	0% ~ 95% (no condensation)						0% ~ 90% (no condensation)		0% ~ 95% (no condensation)			
<b>Power Source</b>	12V DC / PoE (IEEE 802.3af)											
<b>Max. Power Consumption</b>	5 W	4.5 W		4 W		5 W		4.5 W		5.5 W		
<b>Regulatory</b>	FCC, CE, RoHS compliant			FCC, CE, RoHS compliant		FCC, CE, RoHS compliant						
<b>Dimensions (L X W X H)</b>	Ø 109 x 81 mm (Ø 4.3" x 3.2")											
<b>Weight</b>	0.3 kg (0.66 lb)			0.45 kg (0.99 lb)		0.3 kg (0.66 lb)		0.45 kg (0.99 lb)				
<b>Ingress Protection</b>	IP66	IP67			IP66		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).



## Target Series Specifications (Part 7)


	GV-EBD2702	GV-EBD4700	GV-EBD4701	GV-EBD8700	GV-EBD4711	GV-EBD4712	GV-EBD8711	
								
<b>Camera</b>								
Image Sensor	1/2.7" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS		1/2.5" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS		1/2" progressive scan super low lux CMOS	
Picture Elements	1920 (H) x 1080 (V)	2592 (H) x 1520 (V)	2688 (H) x 1520 (V)	3840 (H) x 2160 (V)	2592 (H) x 1520 (V)	2688 (H) x 1520 (V)	3840 (H) x 2160 (V)	
Minimum Illumination	Color	0.005 Lux (F1.6, AGC ON)	0.02 Lux (F2.0, AGC ON)	0.01 Lux (F2.0, AGC ON)	0.05 Lux (F2.0, AGC ON)	0.005 Lux (F1.4, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.003 Lux (F1.5, AGC ON)
	B/W	N/A						
	IR ON	0 Lux						
Shutter Speed	Auto / Manual (1/6 ~ 1/100000 s)	Auto / Manual (1/6 ~ 1/8000 s)	Auto / Manual (1/6 ~ 1/100000 s)					
White Balance	Auto / Manual							
Gain Control	Auto / Manual							
S/N Ratio	52 dB	52 dB	56 dB	52 dB	56 dB	56 dB	52 dB	
WDR	Yes	WDR Pro						
Dynamic Range	Up to 72 dB	Up to 120 dB						
<b>Operation</b>								
Video Compression	H.265, H.264, MJPEG							
Video Streaming	Triple streams							
Frame Rate	30 fps at 1920 x 1080	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 1920 x 1080	20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 1920 x 1080	20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	
Audio Compression	N/A		G.711	N/A		G.711	N/A	
Audio Support	N/A		One-way Audio	N/A		One-way Audio		
<b>Optical Lens</b>								
Megapixel	Yes							
Day/Night	Yes (with removable IR-cut filter)							
Lens Type	Fixed			Motorized varifocal lens				
Focal Length	2.8 mm			2.7 ~ 12 mm	2.8 ~ 12 mm			
Maximum Aperture	F/1.4	F/2.0		F/1.4	F/1.6	F/1.5		
Mount	M12							
Image Format	1/2.7"	1/3"		1/2.5"	1/3"		1/2"	
Horizontal FOV	109.9°	100°	107°	106°	91.0°~27.0°	98°~31°	114.8° ~ 47.3°	
Operation	Focus	Fixed				Auto / Manual		
	Zoom	Fixed				4.4x Optical Zoom	4.3x Optical Zoom	
	Iris	Fixed				Fixed		
IR LED Quantity	1 IR LED				2 IR LEDs			
Max. IR Distance	30 m (100 ft)							
<b>Mechanical</b>								
Camera Angle Adjustment	Pan				0° ~ 360°			
	Tilt	0° ~ 90°			0° ~ 75°	0° ~ 90°	0° ~ 75°	
Rotate				0° ~ 360°				
3-axis Mechanism	Yes							
Connectors	Power	DC Jack, PoE						
	Ethernet	RJ-45 connector (10/100 Base-T)						
	Audio	N/A	1 In (built-in microphone)	N/A	1 In (built-in microphone)			
	TV-Out	N/A						
	Local Storage	N/A	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	N/A	Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10) *UHS-II card type is not supported.			
LED Indicator	N/A							
Temperature Detector	N/A							
<b>General</b>								
Environment Temperature	Start-up			-30°C ~ 60°C (-31°F ~ 140°F)	-35°C ~ 60°C (-31°F ~ 140°F)		-40°C ~ 60°C (-40°F ~ 140°F)	
	Operation	-35°C ~ 60°C (-31°F ~ 140°F)						
Humidity	0% ~ 95% (no condensation)			0% ~ 90% (no condensation)		0% ~ 95% (no condensation)		
Power Source	12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption	5.5 W				8.16 W			
Regulatory	CE, FCC, RoHS compliant		CE, FCC, RoHS	CE, FCC, RoHS compliant	CE, FCC, RoHS compliant	CE, FCC, RoHS	CE, FCC, RoHS compliant	
Dimensions (L X W X H)	Ø 126 x 94 mm (Ø 5.0" x 3.7")					Ø 129 x 110 mm (Ø 5.08" x 4.3")		
Weight	0.33 kg (0.73 lb)	0.45 kg (0.99 lb)			0.67 kg (1.48 lb)			
Ingress Protection	IP67							
Vandal Resistance	N/A					IK10 for metal casing		

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





## Target Series Specifications (Part 8)


		<b>GV-EFD2101</b>
		
<b>Camera</b>		
Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.005 Lux
	B/W	0.004 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		56 dB
WDR		Yes
Dynamic Range		Up to 72 dB
<b>Operation</b>		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams
Frame Rate		30 fps at 1920 x 1080
Audio Compression		G.711
Audio Support		Two-way Audio (external microphone and speaker required)
<b>Optical Lens</b>		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		3 ~ 9 mm
Maximum Aperture		F/1.7
Mount		Ø 14 mm
Image Format		1/2.8"
Horizontal FOV		102° ~ 40°
Operation	Focus	Manual (with lock)
	Zoom	Manual (with lock)
	Iris	P-Iris
IR LED Quantity		20 IR LEDs
Max. IR Distance		50 m (165 ft)
<b>Mechanical</b>		
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	0° ~ 75°
	Rotate	0° ~ 340°
3-axis Mechanism		Yes
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)
	TV-Out	BNC connector (640 x 480 resolution)
Local Storage		N/A
LED Indicator		2 LEDs: Power, Status
Temperature Detector		Yes
<b>General</b>		
Environment	Start-up	0 °C ~ 50 °C (32 °F ~ 122 °F)
	Operation	
Humidity		10% to 90% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		5.8 W
Regulatory		CE, FCC, RCM, RoHS compliant
Dimensions (L X W X H)		Ø 125 x 99.5 mm (4.92" x 3.92")
Weight		470 g (1.04 lb)
Ingress Protection		N/A

**Note:**

1. The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
2. **Memory card slot (local storage) is not supported in Argentina.**
3. 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 9)


		GV-EVD2100	GV-EVD3100	GV-EVD5100
				
<b>Camera</b>				
Image Sensor		1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.005 Lux	0.01 Lux	0.12 Lux
	B/W	0.004 Lux	0.01 Lux	0.10 Lux
	IR ON		0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Auto		
S/N Ratio		56 dB	54 dB	46 dB
WDR Pro (with WDR sensor)		N/A	Yes	
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB
<b>Operation</b>				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944
Audio Compression		G.711		
Audio Support		Two-way Audio (external microphone and speaker required)		
<b>Optical Lens</b>				
Megapixel		Yes		
Day/Night		Yes		
Lens Type		Varifocal		
Focal Length		3 ~ 9 mm		
Maximum Aperture		F/1.7		
Mount		Ø 14 mm		
Image Format		1/2.8"		1/3.2"
Horizontal FOV		102° ~ 40°	96° ~ 36°	92° ~ 32°
Operation	Focus	Manual (with lock)		
	Zoom	Manual (with lock)		
	Iris	P-Iris		
IR LED Quantity		20 IR LEDs		
Max. IR Distance		50 m (165 ft)	30 m (100 ft)	
<b>Mechanical</b>				
Camera Angle Adjustment	Pan	0° ~ 350°		
	Tilt	0° ~ 75°		
	Rotate	0° ~ 340°		
3-axis Mechanism		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable		
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)		
	TV-Out	BNC connector (640 x 480 resolution)		
	Digital I/O	N/A		
	Local Storage	N/A		
LED Indicator		2 LEDs: Power, Status		
Temperature Detector		Yes		
<b>General</b>				
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption		6.1 W	7 W	
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions (L X W X H)		Ø 160 x 108.4 mm (6.2" x 4.27")		
Weight		1.15 kg (2.54 lb)		
Ingress Protection		IP67		
Vandal Resistance		IK10		

**Note:**

- The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
- Memory card slot (local storage) is not supported in Argentina.
- 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 10)

		GV-AVD2700	GV-TVD4700	GV-TVD4711	GV-AVD4710	GV-TVD4710	GV-AVD8710	GV-TVD8710	
									
<b>Camera</b>									
<b>Image Sensor</b>		1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS			1/2" progressive scan super low lux CMOS		
<b>Picture Elements</b>		1920 (H) x 1080 (V)		2592(H) x 1520 (V)		2688 (H) x 1520 (V)		2592 (H) x 1520 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.001 Lux (F1.6, AGC ON)		0.01 Lux (F1.6, AGC ON)		0.003 Lux (F1.6, AGC ON)		0.005 Lux (F1.4, AGC ON)	
	<b>B/W</b>	N/A							
	<b>IR ON</b>	0 Lux							
<b>Shutter Speed</b>		Auto / Manual (1/6 ~ 1/100000 sec)		Automatic, Manual (1/25 ~ 1/100000 sec)		Auto / Manual (1/6 ~ 1/100000 sec)		Auto / Manual (1/6 ~ 1/100000 sec)	
<b>White Balance</b>		Auto / Manual							
<b>Gain Control</b>		Auto / Manual							
<b>S/N Ratio</b>		52 dB		56 dB		55 dB		56dB	
<b>WDR Pro (with WDR sensor)</b>		Yes							
<b>Dynamic Range</b>		Up to 120 dB		Up to 72 dB		Up to 120 dB		Up to 120 dB	
<b>Operation</b>									
<b>Video Compression</b>		H.265, H.264, MJPEG							
<b>Video Streaming</b>		Triple streams							
<b>Frame Rate</b>		30 fps at 1920 x 1080		20 fps at 2592 x 1520		30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 2304 x 1296		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	
<b>Audio Compression</b>		G.711		N/A		G.711		G.711	
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)		N/A		Two-way Audio (external microphone and speaker required)			
<b>Optical Lens</b>									
<b>Megapixel</b>		Yes							
<b>Day/Night</b>		Yes (with removable IR-cut filter)							
<b>Lens Type</b>		Varifocal			Motorized varifocal				
<b>Focal Length</b>		2.8 ~ 12 mm							
<b>Maximum Aperture</b>		F/1.6			F/1.4		F/1.5		
<b>Mount</b>		Ø 14 mm							
<b>Image Format</b>		1/2.8"		1/3"		1/3"		1/2"	
<b>Horizontal FOV</b>		108° ~ 30°		97° ~ 29°		98° ~ 31°		91° ~ 27°	
<b>Operation</b>	<b>Focus</b>	Manual (with lock)						Auto / Manual	
	<b>Zoom</b>	Manual (with lock)			4.3x Optical Zoom		4.3x Optical Zoom		
	<b>Iris</b>	Fixed							
<b>IR LED Quantity</b>		2 IR LEDs							
<b>Max. IR Distance</b>		30 m (100 ft)							
<b>Mechanical</b>									
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 360°							
	<b>Tilt</b>	0° ~ 80°							
	<b>Rotate</b>	0° ~ 360°							
<b>3-axis Mechanism</b>		Yes							
<b>Connectors</b>	<b>Power</b>	DC Jack, PoE		2-pin terminal block (DC 12 V, 1.25 A), PoE		DC Jack, PoE			
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 cable							
	<b>Audio</b>	1 in (Audio In Wire), 1 out (Audio Out Wire)		N/A		4-pin terminal block pitch 2.5 mm (0.1") (Audio In & Out)		1 in (Audio In Wire), 1 out (Audio Out Wire)	
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)		N/A			BNC connector (640 x 480 resolution)		
	<b>Digital I/O</b>	4-pin terminal block, pitch 3.5 mm/0.14"		N/A		4-pin terminal block pitch 2.5 mm/0.1"		4-pin terminal block, pitch 3.5 mm/0.14"	
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10) *UHS-II card type is not supported.							
<b>General</b>									
<b>Environment Temperature</b>	<b>Start-up</b>	-40°C ~ 60°C (-40°F ~ 140°F)			-35~ 60°C (-31 ~ 140°F)		-40°C ~ 60°C (-40°F ~ 140°F)		
	<b>Operation</b>								
<b>Humidity</b>		0 ~ 95% (no condensation)							
<b>Power Source</b>		12V DC / PoE (IEEE 802.3af)							
<b>Max. Power Consumption</b>		7.2 W		7 W		8.7 W		7.2 W	
<b>Regulatory</b>		CE, FCC, RoHS compliant		CE, FCC, RoHS compliant		CE, FCC, RoHS compliant		CE, FCC, RoHS compliant	
<b>Dimensions (L X W X H)</b>		Ø 148 x 111.3 mm (5.8" x 4.4")			Ø 125.8 x 99.9 mm (4.9" x 3.93")		Ø 148 x 111.3 mm (5.8" x 4.4")		
<b>Weight</b>		0.75 kg (1.7 lb)		0.92 kg (2 lb)		0.75 kg (1.7 lb)			
<b>Ingress Protection</b>		IP67			IP66		IP67		
<b>Vandal Resistance</b>		IK10 for metal casing							




**Note:**

1. The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
2. **Memory card slot (local storage) is not supported in Argentina.**
3. 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 11)

		GV-EFER3700 (Outdoor)	GV-EFER3700-W (Outdoor)
			
<b>Camera</b>			
Image Sensor		1/2.8" progressive scan super low lux CMOS	
Picture Elements		2048 (H) x 1536 (W)	
Minimum Illumination	Color	0.001 Lux	
	B/W	0.001 Lux	
	IR ON	0 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)	
White Balance		Automatic, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		54 dB	
WDR Pro (with WDR Sensor)		Yes	
Dynamic Range		Up to 120 dB	
<b>Operation</b>			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Stream 1 from H.265 or H.264	
		Stream 2 from H.265, H.264 or MJPEG	
		Stream 3 from H.265, H.264 or MJPEG	
Frame Rate		50Hz: 25 fps at 2048 x 1536, 25 fps at 1440 x 1376 60Hz: 30 fps at 2048 x 1536, 30 fps at 1440 x 1376	
Audio Compression		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	
Sensor Input		1 input (Dry Contact)	
Sensor Output		1 digital output (200mA 5V DC)	
<b>Optical Lens</b>			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Focal Length		1.24 mm	
Maximum Aperture		F/1.8	
Mount		M12	
Image Format		1/3"	
Horizontal FOV		185°	
Operation	Focus	Fixed	
	Iris	Fixed	
	Zoom	Fixed	
IR LED Quantity		3 IR LEDs	
Max. IR Distance		20 m (65 ft)	
<b>Mechanical</b>			
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block, PoE	2-pin terminal block
	Ethernet	Ethernet (10/100 Base-T), RJ-45	
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)	
	Digital I/O	3-pin terminal block, pitch 2.5 mm/0.1"	
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
LED Indicator		2 LEDs: Power / Status	4 LEDs: Power / Status / WiFi Power / WiFi Status
<b>General</b>			
Environment	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC
Max. Power Consumption		10.5 W	9.5 W
Regulatory		CE, FCC, RCM, LVD, RoHS compliant	
Dimension		Ø 140.5 x 52.2 mm (5.5" x 2.05")	
Weight		670 g (1.47 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK8	

**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).



## Fisheye Camera Specifications





		GV-FER5701 (Outdoor)	GV-FER12203 (Outdoor)	GV-FER12700 (Outdoor)	GV-QFER12700 (Outdoor)	
						
<b>Camera</b>						
<b>Image Sensor</b>		1/2.5" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	
<b>Picture Elements</b>		2592 (H) x 1944 (V)	4000 (H) x 3000 (V)	4000 (H) x 3000 (V)	4000 (H) x 3000 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	0.03 Lux	0.1 Lux	0.1 Lux	0.1 Lux	
	<b>B/W</b>	0.02 Lux	0.05 Lux	0.05 Lux	0.01 Lux	
	<b>IR ON</b>	0 Lux	0 Lux	0 Lux	0 Lux	
<b>Shutter Speed</b>		Automatic, Manual (1/30 ~ 1/16000 sec)	Automatic, Manual (1/30 ~ 1/16000 sec)	Automatic, Manual (1/5 ~ 1/16000 sec)	Automatic, Manual (1/5 ~ 1/10000 sec)	
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)	Automatic, Manual	
<b>Gain Control</b>		Automatic	Automatic	Automatic	Automatic	
<b>S/N Ratio</b>		50 dB	52 dB	52 dB	52 dB	
<b>WDR Pro (with WDR Sensor)</b>		Yes	N/A	WDR	WDR	
<b>Dynamic Range</b>		Up to 120 dB	Up to 72 dB	Up to 72 dB	Up to 77 dB	
<b>Operation</b>						
<b>Video Compression</b>		H.265, H.264, MJPEG	H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	
<b>Video Streaming</b>		Triple streams from H.265, H.264 or MJPEG	Dual streams from H.264 or MJPEG	Triple streams from H.265, H.264 or MJPEG	Quad streams from H.265, H.264 or MJPEG	
<b>Frame Rate</b>		30 fps at 2592 x 1944	15 fps at 4000 x 3000 25 fps at 2896 x 2768	25/30 fps at 4000 x 3000 and 3160 x 3000	20 fps at 4000 x 3000 (50/60 Hz)	
<b>Audio Compression</b>		G.711	G.711	G.711	G.711	
<b>Audio Support</b>		Two-way Audio (external speaker required)			Two-way Audio (external microphone and speaker required)	
<b>Sensor Input</b>		1 Input (Dry Contact)	1 Input (Dry Contact)	1 Input (Dry Contact)	1 Input	
<b>Alarm Output</b>		1 Digital Output (200 mA 5V DC)	1 Digital Output (200 mA 5V DC)	1 Digital Output (200 mA 5V DC)	1 Output	
<b>Optical Lens</b>						
<b>Megapixel</b>		Yes	Yes	Yes	Yes	
<b>Day/Night</b>		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	
<b>Focal Length</b>		1.05 mm	1.83 mm	1.2 mm	1.65 mm	
<b>Maximum Aperture</b>		F/2.8	F/2.4	F/2.2	F/2.8	
<b>Mount</b>		M12	M12	M12	M12	
<b>Image Format</b>		1/2.5"	1/1.7"	1/1.7"	1/1.7"	
<b>Horizontal FOV</b>		180°	180°	180°	180°	
<b>Operation</b>	<b>Focus</b>	Fixed	Fixed	Fixed	Fixed	
	<b>Iris</b>					
	<b>Zoom</b>					
<b>IR LED Quantity</b>		6 IR LEDs	6 IR LEDs	6 IR LEDs	4 IR LEDs	
<b>Max. IR Distance</b>		30 m (100 ft)	30 m (100 ft)	30 m (100 ft)	10 m (35 ft)	
<b>Mechanical</b>						
<b>Temperature Detector</b>		Yes	Yes	Yes	Yes	
<b>Connectors</b>	<b>Power</b>	2-pin terminal block, PoE	2-pin terminal block, PoE	2-pin terminal block, PoE	DC Jack	
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector	Ethernet (10/100/1000 Base-T), RJ-45 Connector	Ethernet (10/100/1000 Base-T), RJ-45 Connector	Ethernet (10/100/1000 Base-T), RJ-45 Connector	
	<b>Audio</b>	1 In (built-in or external microphone) 1 Out (3.5 mm stereo jack)	1 In (built-in or external microphone) 1 Out (3.5 mm stereo jack)	1 In (built-in or external microphone) 1 Out (3.5 mm stereo jack)	1 In (external microphone with power supply) 1 Out (3.5 mm stereo jack)	
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm/0.1"	3-pin terminal block, pitch 2.5 mm/0.1"	3-pin terminal block, pitch 2.5 mm/0.1"	4-pin terminal block	
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.				Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported Support recording to NAS
	<b>USB</b>	GV-WiFi Adapter or USB hard drive	USB hard drive	GV-WiFi Adapter or USB hard drive	N/A	
<b>General</b>						
<b>Environment</b>	<b>Start-Up</b>	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 70°C (-4°F ~ 158°F)	
	<b>Operation</b>	-30°C ~ 50°C (-22°F ~ 122°F)		-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 55°C (-22°F ~ 131°F)	
<b>Humidity</b>		10% to 90% (no condensation)	10% to 90% (no condensation)	10% to 90% (no condensation)	10% to 90% (no condensation)	
<b>Power Source</b>		12V DC / PoE+ (IEEE 802.3at)	12V DC / 24V AC / PoE+ (IEEE 802.3at)	12V DC / PoE+ (IEEE 802.3at)	12V DC / PoE (IEEE 802.3af)	
<b>Max. Power Consumption</b>		15 W	28 W	17 W	12.95 W	
<b>Regulatory</b>		CE, FCC, LVD, RoHS compliant	CE, FCC, RCM, LVD, RoHS compliant	CE, FCC, LVD, RoHS compliant	CE, FCC, RoHS compliant	
<b>Dimensions</b>		∅ 160.59 x 59.06 mm (6.22" x 2.32")	∅ 160.59 x 59.06 mm (6.22" x 2.32")	∅ 160.59 x 59.40 mm (6.22" x 2.33")	∅ 130*57.8 mm (∅ 5.12" x 2.28")	
<b>Weight</b>		700 g (1.54 lb)	700 g (1.54 lb)	700 g (1.54 lb)	565 g (1.25 lb)	
<b>Ingress Protection</b>		IP67	IP67	IP67	IP66	
<b>Vandal Resistance</b>		IK10+ for metal casing	IK10+ for metal casing	IK10+ for metal casing	IK10	

**Note:**

1. Memory card slot (local storage) is not supported in Argentina.
2. 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).



## IP Speed Dome Camera Specifications (Part 1)






Camera	GV-SD2301 V2 (Outdoor)	GV-SD2411 V2(Outdoor)	GV-SD2723-IR	GV-SD2733-IR
				
Image Sensor	1/3 Progressive scan low lux CMOS		1/3 progressive scan low lux CMOS sensor	
Picture Elements	1920 (H) x 1080 (V)		1920 (H) x (1080 (V)	
Minimum Illumination	Color	0.5 lux	0.5 lux at F/1.6	
	B/W	0.1 lux	0.1 lux at F/1.6	
	IR ON	N/A	0 Lux	
Shutter Speed	1/6 ~ 1/30000 sec			
White Balance	Auto / Manual		Auto / Manual (2800 ~ 8500K)	
Gain Control	Auto / Manual		Automatic	
S/N Ratio	50 dB		50 dB (AGC Off)	
BLC	N/A			
Optical Zoom	20x	30x	20x	30x
Digital Zoom	32x			
WDR Pro (with WDR sensor)	Yes			
Dynamic Range	Up to 100 dB		Up to 120 dB	
<b>Operation</b>				
Video Compression	H.265, H.264, MJPEG			
Video Streaming	Dual Streams		Stream 1 from H.265 or H.264 Stream 2 from H.265, H264 or MJPEG	
Frame Rate	30/50 fps (60/50 Hz) at 1920 x 1080		50 Hz: 50 fps at 1920 x 1080 60 Hz: 30 fps at 1920 x 1080	
Audio Compression	G.711			
Audio Support	Two-way Audio (external microphone and speaker required)			
Sensor Input	4 Input (Dry Contact)			
Alarm Output	1 Digital Output (4A 30V DC / 250V AC)			
Pan Travel	360° endless			
Tilt Travel	-15° ~ 195°		-20° ~ 200°	
Proportional Pan & Tilt	Auto (Pan and tilt speed proportional to zoom ratio)		N/A	
Movement Speed	0.1° ~ 460°/s		0.1° ~ 400°/s	
Presets	255			
Preset Accuracy	0.2°			
Sequence	Max Number	8		
	Max Presets Allowed	16		
Auto Pan	8			
Cruise	4			
Tour	8			
Privacy Mask	8			
Wide Dynamic Range	On / Off			
<b>Optical Lens</b>				
Megapixel	Yes			
Day/Night	Yes (with removable IR Cut Filter)			
Focal Length	4.7 ~ 94 mm	4.3 ~ 129 mm	4.7 ~ 94.0 mm	4.3 ~ 129 mm
Maximum Aperture	F / 1.6			
Operation	Focus	Auto/Manual		
	Zoom	20x	30x	20x
	Iris	Auto/Manual		
<b>Mechanical</b>				
Temperature Detector	Yes			
Connectors	Power	DC Jack (DC 24V, 3.75A), PoE++		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector		
	Audio	1 In, 1 Out (RCA female for microphone and speaker)		
	Digital I/O	I/O wires		
	Local Storage	SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		
<b>General</b>				
Environment Temperature	-40 °C ~ 50 °C (-40 °F ~ 122 °F)		-40°C ~ 70°C (-40°F ~ 158°F)	
Fan	> 55 °C (131 °F), < 15 °C (59 °F)		> 55 °C (131 °F)	
Humidity	10% ~ 90% (no condensation)			
Power Source	24V AC / 24V DC / High PoE (PoE++, 90 W)			
Max. Power Consumption	53.5 W		85 W	
Regulatory	CE, FCC, RCM, RoHS Compliant			
Dimensions	Camera Body	Ø 211.63 x 232 mm (8.332" x 9.13")		Ø 201.7 x 293.2 mm (7.94" x 11.54")
Weight	3.1 kg (6.82 lb)		5.6 kg (12.3 lb)	
Ingress Protection	IP67		IP66	
Vandal Resistance	IK10 for metal casing			

**Note:**

1. Memory card slot (local storage) is not supported in Argentina.
2. 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).



## IP Speed Dome Camera Specifications (Part 2)

Camera	GV-SD2722-IR (Outdoor)	GV-SD3732-IR (Outdoor)	GV-QSD5730-Indoor	GV-QSD5731-IR (Outdoor)	GV-QSD5730-Outdoor
					
<b>Image Sensor</b>	1/1.8 Progressive scan super low lux CMOS sensor		1/2.8 Progressive scan low lux CMOS sensor		1/2.8 Progressive scan low lux CMOS sensor
<b>Picture Elements</b>	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2592 (H) x 1944 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.0005 Lux (F1.5, AGC ON)		0.003 Lux (F1.6, AGC ON)	
	<b>B/W</b>	N/A			
	<b>IR ON</b>	0 Lux		N/A	0 Lux
<b>Shutter Speed</b>	Auto / Manual (1/6 ~ 1/100000 sec)			Auto / Manual (1 ~ 1/10000 sec)	
<b>White Balance</b>	Auto / Manual				
<b>AGC Control</b>	Auto / Manual		N/A	N/A	N/A
<b>S/N Ratio</b>	52 dB		55 dB		N/A
<b>Optical Zoom</b>	22x		33x		
<b>Digital Zoom</b>	Unlimited			10x	
<b>WDR Pro (with WDR sensor)</b>	Yes				
<b>Dynamic Range</b>	Up to 120 dB				
<b>Operation</b>					
<b>Video Compression</b>	H.265, H.264 or MJPEG				
<b>Video Streaming</b>	Triple streams from H.265, H.264 or MJPEG			Quad streams from H.265, H.264 or MJPEG	
<b>Frame Rate</b>	60 fps (60 / 50 Hz) at 1920 x 1080		30 fps (60 / 50 Hz) at 2048 x 1536 60 fps (60 / 50 Hz) at 1920 x 1080		30 fps at 2592 x 1944 (60/50 Hz)
<b>Audio Compression</b>	G.711				
<b>Audio Support</b>	Two-way Audio (external microphone and speaker required)				
<b>Sensor Input</b>	2 Inputs, dry contact, NO / NC			4 Inputs, dry contact, NO / NC	
<b>Alarm Output</b>	1 Relay Output (1A 30V DC / 0.3A 125V AC)			2 Relay Outputs (120mA 400V DC / 120mA 250V AC)	
<b>Pan Travel</b>	360° endless				
<b>Tilt Travel</b>	-15° ~ 90°		-10° ~ 100°	-20° ~ 100°	-10° ~ 100°
<b>Movement Speed</b>	0.1° ~ 240°/s		0.1° ~ 400°/s	0.1° ~ 280°/s	0.1° ~ 400°/s
<b>Presets</b>	255			256	
<b>Preset Accuracy</b>	0.1°				
<b>Auto Pan</b>	Yes			4	
<b>Sequence</b>	<b>Max Number</b>				8
	<b>Max Presets Allowed</b>	N/A			64
<b>Cruise</b>				8	
<b>Tour</b>				8	
<b>Patrol</b>	<b>Max Number</b>	16		N/A	N/A
	<b>Max Actions Allowed</b>	32		N/A	N/A
<b>Privacy Mask</b>	24			20	
<b>Optical Lens</b>					
<b>Megapixel</b>	Yes				
<b>Day/Night</b>	Yes (with removable IR Cut Filter)				
<b>Focal Length</b>	6.5 ~ 143 mm		4.5 ~ 148.5 mm		4.6 ~ 152 mm
<b>Maximum Aperture</b>	F/ 1.5		F/ 1.6		
<b>Operation</b>	<b>Focus</b>	Auto / Manual			
	<b>Zoom</b>	22x		33x	
	<b>Iris</b>	Auto / Manual			
<b>IR LED Quantity</b>	10 IR LEDs		N/A	16	N/A
<b>Max. IR Distance</b>	200 m (655ft)		150 m (500 ft)	N/A	150 m (500 ft)
<b>Mechanical</b>					
<b>Temperature Detector</b>	N/A				
<b>Connectors</b>	<b>Power</b>	3-pin terminal block (DC 24 V, AC 24 V, 2.5 A)		Terminal Block (AC 24V), PoE+ (802.3at)	Terminal Block (AC 24V), High PoE (PoE+, 60W)
	<b>Ethernet</b>	10/100 Base-T, RJ-45 connector			
	<b>Audio</b>	1 In (Audio in wire only for microphone with power supply), 1 Out (Audio out wire)		1 in (Audio In wire only for microphone with power supply); 1 out (Audio Out wire)	
	<b>Digital I/O</b>	I/O Wires		I/O Terminal Block	
	<b>Local Storage</b>	Micro SD card slot (SDHC/SDXC, Class 10) *UHS-I/UHS-II card types are not supported		SD card slot (SDHC / SDXC, Class 10)	
	<b>TV-Out</b>	BNC connector			
<b>General</b>					
<b>Environment Temperature</b>	-40°C ~ 70°C (-40°F ~ 158°F)		-25°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
<b>Humidity</b>	20% ~ 90% (no condensation)			10% ~ 90% (non-condensing)	
<b>Power Source</b>	24 V AC / 24 V DC		30V DC / 24V AC / PoE+ (802.3at)	30V DC / 24V AC / PoE++ (60W)	30V DC / 24V AC / PoE+ (802.3at)
<b>Max. Power Consumption</b>	52.5 W		DC 30V, 11.37W Max. AC 24V, 13.55W Max.	DC 30V, 43.87W Max. AC 24V, 44W Max.	DC 30V, 23.01W Max. AC 24V, 24.20W Max.
<b>Regulatory</b>	CE, FCC, RoHS compliant			CE, FCC, RoHS compliant	
<b>Dimensions</b>	∅ 227 x 359.4 mm (8.94" x 14.15")		∅ 212 x 263.6 mm (8.3" x 10.4")	∅ 207 x 300 mm (8.15" x 11.81")	∅ 209.5 x 279.3 mm (8.2" x 11")
<b>Weight</b>	5.4 kg (11.9 lb)		2.6 kg (5.73 lb)	3.8 kg (8.38 lb)	2.9 kg (6.39 lb)
<b>Ingress Protection</b>	IP66			IP66	
<b>Vandal Resistance</b>	IK10 for metal casing			IK10 for housing	



**Note:**

- The TV-Out function only works in 640x480 resolution. For TV-Out to work properly, you must set the resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- 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).






## Pinhole Camera Specifications

		GV-UNP2500	GV-UNFE2503 (Outdoor)
			
<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
<b>Picture Elements</b>		1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.02 Lux	0.02 Lux
	<b>B/W</b>		
<b>Shutter Speed</b>		Automatic, Manual (1/5 ~ 1/8000 sec)	Automatic, Manual (1/5 ~ 1/8000 sec)
<b>White Balance</b>		Automatic, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)
<b>Gain Control</b>		Automatic	Automatic
<b>S/N Ratio</b>		52 dB	52 dB
<b>WDR</b>		Yes	N/A
<b>Dynamic Range</b>		Up to 72 dB	Up to 72 dB
<b>Operation</b>			
<b>Video Compression</b>		H.264, MJPEG	H.264, MJPEG
<b>Video Streaming</b>		Dual streams from H.264 or MJPEG	Dual streams from H.264 or MJPEG
<b>Frame Rate</b>		30 fps at 1920 x 1080	30 fps at 1920 x 1080
<b>Audio Compression</b>		AAC 32K * This audio codec is for custom procurement; consult our sales representatives before purchasing.	
<b>Audio Support</b>		One-way Audio	One-way Audio
<b>Sensor Input</b>		N/A	N/A
<b>Alarm Output</b>		N/A	N/A
<b>Optical Lens</b>			
<b>Megapixel</b>		Yes	Yes
<b>Day/Night</b>		Yes (Electronic)	Yes (with removable IR-cut filter)
<b>Iris</b>		Fixed	Fixed
<b>Focal Length</b>		3.7 mm	1.19 mm
<b>Maximum Aperture</b>		F/2.8	F/2.0
<b>Mount</b>		M12	M12
<b>Image Format</b>		1/2.7"	1/2.3"
<b>Horizontal FOV</b>		84°	180°
<b>Operation</b>	<b>Focus</b>	Fixed	Fixed
	<b>Zoom</b>	Fixed	Fixed
	<b>Iris</b>	Fixed	Fixed
<b>Mechanical</b>			
<b>Temperature Detector</b>		Yes	Yes
<b>Connectors</b>	<b>Power</b>	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
	<b>Ethernet</b>	RJ-45 connector	RJ-45 connector
	<b>Audio</b>	1 In (built-in microphone)	1 In (built-in microphone)
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC/UHS-I card type is not supported.	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC/UHS-I card type is not supported.
	<b>Camera Unit Connect</b>	RJ-12	RJ-12
<b>LED Indicator</b>		4 LEDs: Link, ACT, Camera Status, RJ-12 Status	4 LEDs: Link, ACT, Camera Status, RJ-12 Status
<b>General</b>			
<b>Environment Temperature</b>		-5 °C ~50 °C (23 °F ~ 122 °F)	-5 °C ~50 °C (23 °F ~ 122 °F)
<b>Humidity</b>		10% to 90% (no condensation)	10% to 90% (no condensation)
<b>Power Source</b>		PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
<b>Max. Power Consumption</b>		4.8 W	7.7 W
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant	CE, FCC, RCM, RoHS compliant
<b>Dimensions</b>	<b>Main Base</b>	78.5 x 47.36 x 32.5 mm (3.09" x 1.86" x 1.28")	78.5 x 47.36 x 32.5 mm
	<b>Pinhole Unit</b>	∅ 59.93 x 50.14 mm (2.36" x 1.97")	∅ 80.35 x 115.12 mm
<b>Weight (with rack)</b>		210 g (0.46 lb)	480 g (1.06 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	GV-PPTZ14021	GV-PPTZ14031
				
<b>Camera</b>				
<b>Image Sensor</b>		FE: 1/2.5" progressive scan CMOS SD: 1/2.86" progressive scan CMOS	FE: 1/1.7" progressive scan CMOS SD: 1/3" progressive scan CMOS	
<b>Picture Elements</b>		FE: 2560 (H) x 1920 (V); SD: 1920 (H) x 1080 (V)	FE: 4000 (H) x 3000 (V); SD: 1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color B/W</b>	FE: 0.15 Lux; SD: 0.5 Lux	FE: 0.1 Lux; SD: 0.5 Lux	
<b>Shutter Speed</b>		FE: Automatic, Manual (1/5 ~ 1/80000 sec) SD: Automatic, Manual (1/6 ~ 1/60000 sec)	FE: Automatic, Manual (1/25 ~ 1/16000 sec.) SD: Automatic, Manual (1/6 ~ 1/30000 sec.)	
<b>White Balance</b>		Automatic, Manual (2800K ~ 8500K)		
<b>Gain Control</b>		FE: Automatic; SD: Automatic, Manual		
<b>S/N Ratio</b>		FE: 45 dB; SD: 50 dB (AGC Off)	FE: 52 dB; SD: 50 dB (AGC Off)	
<b>WDR</b>		FE: Yes (WDR); SD: Yes (WDR Pro)	FE: N/A; SD: Yes (WDR Pro)	
<b>Dynamic Range</b>		FE: Up to 72 dB; SD: Up to 100 dB		
<b>Operation</b>				
<b>Video Compression</b>		H.264, MJPEG	H.265 (SD Only), H.264, MJPEG	
<b>Video Streaming</b>		Dual streams from H.264 or MJPEG	Dual streams from H.265 (SD Only), H.264 or MJPEG	
<b>Frame Rate</b>		FE: 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 SD: 30 fps at 1920 x 1080, 60 fps at 1280 x 720, 640 x 360, 448 x 252	FE: 15 fps at 4000 x 3000, 25 fps at 2896 x 2768 (60/50 Hz) SD: Up to 30 fps at 1920 x 1080 (60 Hz), 50 fps at 1920 x 1080 (50 Hz)	
<b>Audio Compression</b>		G.711		
<b>Audio Support</b>		Two-way Audio (external microphone and speaker required)		
<b>Sensor Input</b>		4 Input (Dry Contact)		
<b>Alarm Output</b>		1 Digital Output (200 mA 5V DC)	1 Digital Output (4A 30V DC / 250V AC)	
<b>Pan Travel</b>		355°	360°	
<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>		FE: Yes (Electronic); SD: Yes (with removable IR-cut filter)		
<b>Focal Length</b>		FE: 1.32 mm; SD: 5.1 ~ 51 mm	FE: 1.505 mm; SD: 4.7 ~ 94 mm	FE: 1.505 mm; SD: 4.3 ~ 129 mm
<b>Maximum Aperture</b>		FE: F/2.0; SD: F/1.6		
<b>Horizontal FOV</b>		FE: 180°; SD: 54° ~ 4.9°	FE: 180°; SD: 55.4° ~ 2.9°	FE: 180°; SD: 58.9° ~ 2.11°
<b>Operation</b>	<b>Focus</b>	FE: Fixed; SD: Auto / Manual		
	<b>Zoom</b>	FE: Fixed; SD: 10x	FE: Fixed; SD: 20x	FE: Fixed; SD: 30x
	<b>Iris</b>	FE: Fixed; SD: 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, 1 Out (RCA female for microphone and speaker)		
	<b>Digital I/O</b>	I/O wires		
	<b>Local Storage</b>	2 micro SD card slots (SD/SDHC, SD version 2.0 only, Class 10) * UHS-I/SDXC card type is not supported.	FE: Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) SD: SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is 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)	Heater 1 On: 15°C (59°F); Off: 18°C (64.4°F) Heater 2 On: 3°C (37.4°F); Off: 8°C (46.4°F)	
<b>Fan On</b>		45°C (113°F)	> 55°C (149°F), < 15°C (59°F)	
<b>Humidity</b>		20% to 90% (no condensation)	10% to 90% (no condensation)	
<b>Power Source</b>		DC 24V / AC 24V / High PoE (PoE++, 40 W)	DC 24V / AC 24V / High PoE (PoE++, 53 W)	
<b>Max. Power Consumption</b>		40 W	57.2 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		
<b>Dimensions</b>		∅ 211.63 x 272.00 mm (8.332" x 10.709")	∅ 211 x 277 mm (8.3" x 10.9")	
<b>Weight</b>		3.75 kg (8.27 lb)	3.3 kg (7.27 lb)	
<b>Ingress Protection</b>		IP67		
<b>Vandal Resistance</b>		IK10 for metal and polycarbonate 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).




## Thermal IP Camera

		GV-TM0100
		
<b>Camera</b>		
Image Sensor	Uncooled FPA Micro bolometer	
Picture Elements	352 (H) x 288 (V)	
Pixel Size	25 um	
Thermal Sensitivity	≤100 mK at f/1,300K	
Spectral Range	8 ~ 14 um	
Gain Control	Auto, Manual	
<b>Operation</b>		
Video Compression	H.264, MJPEG	
Video Streaming	Single streams from H.264 or MJPEG	
Frame Rate	25 fps at 352 x 288	
Image Setting	Brightness, Contrast	
Noise Reduction	Yes	
Audio Support	N/A	
<b>Optical Lens</b>		
Focal Length	40 mm	
Horizontal FOV	13.7°	
Operation	Focus	Auto / Manual
	Zoom	2x (Digital)
	Iris	N/A
<b>Observation Range</b>		
Detection (2 pixels on target)	Human (1.8 x 0.5 m)	1450 m (4757 ft)
	Car (2.3 x 2.3 m)	1850 m (6070 ft)
Recognition (4 pixels on target)	Human (1.8 x 0.5 m)	480 m (1575 ft)
Recognition (6 pixels on target)	Car (2.3 x 2.3 m)	920 m (3018 ft)
<b>Mechanical</b>		
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	N/A
<b>General</b>		
Environment Temperature	-20°C ~ 40 °C (-4 °F ~ 104 °F)	
Humidity	20% to 90% (no condensation)	
Power Source	12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption	10 W	
Regulatory	CE, FCC, RCM, RoHS compliant	
Dimensions	485.5 x 249.48 x 156.99 mm (19.11" x 9.82" x 6.18")	
Weight (with rack)	2.75 kg (6.06 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).



## Virtual Reality IP Camera


		GV-VR360
		
<b>Camera</b>		
Image Sensor		1/2.9" progressive scan CMOS
Picture Elements		3840 (H) x 2160 (V)
Minimum Illumination	Color	0.05 Lux
	B/W	0.04 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual
Gain Control		Automatic
S/N Ratio		50 dB
WDR		Yes
Dynamic Range		96 dB
<b>Operation</b>		
Video Compression		H.265, H.264
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.264
Frame Rate		30 fps at 3840 x 2160 (50/60 Hz)
Image Setting		Brightness, Contrast, Saturation, Sharpness, White Balance, Flicker-less, Image Orientation, D/N Sensitivity, WDR, Defog, Metering
Audio Compression		G.711, AAC <i>* The AAC audio codec is for custom procurement; consult our sales representatives before purchasing.</i>
Audio Support		One-way Audio
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Digital Output (200 mA 5V DC)
<b>Optical Lens</b>		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.05 mm
Maximum Aperture		F/2.25
Mount		M12
Horizontal FOV		360°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
IR LED Quantity		4 IR LEDs
Max. IR Distance		10 m (35 ft)
<b>Video Resolution</b>		
Main Stream	16:9	3840 x 2160 (Default), 2560 x 1440, 1920 x 1080, 1280 x 720
Sub Stream		Closed (Default), 3840 x 2160, 2560 x 1440, 1920 x 1080, 1280 x 720
<b>Network</b>		
Interface		10/100 Ethernet
<b>Mechanical</b>		
Temperature Detector		N/A
Connectors	Power	DC 12V, 1.25A, DC Jack / PoE
	Ethernet	10/100 Base-T, RJ-45 Connector
	Audio	1 in (built-in or external microphone)
	Digital I/O	I/O wires
	Local Storage	N/A
<b>General</b>		
Environment	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% ~ 90% (no condensation)
Power Source		DC 12V / PoE (PoE+, IEEE 802.3at)
Max. Power Consumption		12 W
Regulatory		CE, FCC, LVD, RCM compliant
Dimensions (Straight Tube Mount)		Ø 164 x 64 x 45.2 mm (6.46" x 2.52" x 1.78")
Weight		0.58 kg (1.28 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing

**Note:**

- H.265 video codec is not supported for YouTube streaming.
- Product design and specifications are subject to change without notice.



## Face Recognition IP Camera



		GV-VD8700 (Outdoor)	GV-FD8700-FR (Indoor)
			
<b>Camera</b>			
Image Sensor		1/2.5" progressive scan low lux CMOS	
Picture Elements		3840 (H) x 2160 (V)	
Minimum Illumination	Color	0.05 Lux	
	B/W	0.04 Lux	
	IR ON	0 Lux	
Shutter Speed		Automatic, Manual (1/30 ~ 1/8000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		56 dB	
WDR Pro (with WDR sensor)		WDR	
Dynamic Range		Up to 96 dB	
<b>Operation</b>			
Video Compression		H.265, H.264	
Video Streaming		Stream 1 from H.265 or H.264, Stream 2 from H.264, Stream 3 from H.264	
Frame Rate		30 fps at 3840 x 2160 (50 / 60 Hz)	
Audio Compression		G.711	
Audio Support		One-way Audio	
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		Varifocal Lens	
Focal Length		3.3 ~ 12 mm	
Maximum Aperture		F/1.4	
Mount		Ø14 mm	
Image Format		1/2.5"	
Horizontal FOV		106° ~ 42°	
Operation	Focus / Zoom	Manual (w/lock)	
	Iris	P-Iris	
IR LED Quantity		20 IR LEDs	
Max. IR Distance		40 m (130 ft)	
<b>Face Recognition</b>			
Environment		600 lux	
Recognition face angle	Tilt (Up/Down)	± 15	
	Swing (Left/Right)	± 15	
Max. No of Faces		Up to 10	
Min. Face Image Pixel Requirement		120 x 120	
<b>Mechanical</b>			
Camera Angle Adjustment	Pan	0° ~ 350°	
	Tilt	0° ~ 75°	
	Rotate	0° ~ 340°	
3-axis Mechanism		Yes	
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block (DC 12V, 3A), PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
	Audio	1 In (built-in or external microphone with power supply); 1 Out (3.5 mm stereo jack; currently not functional)	
	Digital I/O	I/O wires	
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
TV-Out		N/A	
LED Indicator		2 LEDs: Power, Status	
<b>General</b>			
Environment Temperature	Startup	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
Humidity		10% ~ 90% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption		11.04 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant	
Dimensions (L X W X H)		Ø 160 x 108.4 mm (6.2" x 4.27")	Ø 125 x 99.5 mm (4.92" x 3.92")
Weight		1.2 g (2.64 lb)	470 g (1.04 lb)
Ingress Protection		IP66	N/A
Vandal Resistance		IK10	N/A

**Note:**

1. Memory card slot (local storage) is not supported in Argentina.
2. 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).



## Face Detection IP Camera


		GV-BX2600-FD	GV-BX2700-FD	GV-BX4700-FD	GV-BX8700-FD	GV-MD8710-FD	
							
<b>Camera</b>							
<b>Image Sensor</b>		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS	1/2" progressive scan super low lux CMOS	1/2" progressive scan super low lux CMOS	
<b>Picture Elements</b>		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	3840(H) x 2160(V)		
<b>Minimum Illumination</b>	<b>Color</b>	0.005 Lux		0.03 Lux	0.04 Lux	0.04 Lux	
	<b>B/W</b>	0.004 Lux		0.02 Lux	0.03 Lux	0.03 Lux	
<b>Shutter Speed</b>		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>		56 dB		50 dB	52 dB		
<b>WDR</b>		WDR Pro					
<b>Dynamic Range</b>		Up to 130 dB		Up to 120 dB			
<b>Operation</b>							
<b>Video Compression</b>		H.265, H.264, MJPEG					
<b>Video Streaming</b>		Triple streams					
<b>Frame Rate</b>		30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 3840 x 2160	30 fps at 3840 x 2160	
<b>Audio Compression</b>		G.711					
<b>Sensor Input</b>		1 Input (Dry Contact)					
<b>Alarm Output</b>		1 Digital Output (200 mA 5 V DC)					
<b>Audio Support</b>		Two-way Audio (external speaker required)				Two-way Audio (external microphone and speaker required)	
<b>Optical Lens</b>							
<b>Megapixel</b>		Yes					
<b>Day/Night</b>		Yes (with removable IR-cut filter)					
<b>Lens Type</b>		Varifocal			Motorized varifocal lens		
<b>Focal Length</b>		3 ~ 10.5 mm		3.6 ~ 10 mm	4 ~ 8 mm		
<b>Maximum Aperture</b>		F/1.4		F/1.5	F/1.44		
<b>Mount</b>		CS Mount				Ø14 mm	
<b>Image Format</b>		1/2.7"		1/1.18"	1/2.5"		
<b>Horizontal FOV</b>		100° ~ 35°		78° ~ 31°	108° ~ 48°	112° ~ 61°	
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)				Auto	
	<b>Zoom</b>	Manual (w/lock)				2X optical zoom	
	<b>Iris</b>	P-Iris					
<b>IR LED Quantity</b>		N/A				4 IR LEDs	
<b>Max. IR Distance</b>		N/A				30 m (100 ft)	
<b>Face Detection</b>							
<b>Environment</b>		600 lux					
<b>Detection face angle</b>	<b>Tilt (Up/Down)</b>	± 30					
	<b>Swing (Left/Right)</b>	± 60					
<b>Max. No of Faces</b>		Up to 32		Up to 16		Up to 32	
<b>Min. Face Image Pixel Requirement</b>		100 x 100				130 x 130	
<b>Mechanical</b>							
<b>Camera Angle Adjustment</b>	<b>Pan</b>					0° ~ 350°	
	<b>Tilt</b>	N/A				0° ~ 75°	
	<b>Rotate</b>					0° ~ 340°	
<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 or external microphone), 1 Out (3.5 mm stereo jack)				1 In, 1 Out (3.5 mm stereo jack)	
	<b>Auto Iris</b>	Yes (with varifocal lens)				Yes (with motorized lens)	
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm/0.1"				I/O wires	
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported					
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)				N/A	
<b>Mini USB</b>	GV-WiFi Adapter or USB hard drive				N/A		
<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% ~ 90% (no condensation)					
<b>Power Source</b>		12 V DC / PoE (IEEE 802.3af)					
<b>Max. Power Consumption</b>		6 W		4.9 W		6 W 9.5 W	
<b>Regulatory</b>		CE, FCC, RCM, LVD, RoHS compliant			CE, FCC, LVD, 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")				ø 125 x 99.5 mm (4.92" x 3.92")	
<b>Weight</b>		320 g (0.7 lb)		350 g (0.77 lb)		320 g (0.7 lb) 500 g (1.10 lb)	

**Note:**

- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the resolution to 1280x1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.
- 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.








## Surround Video IP Camera

		GV-SV48000
		
<b>Camera</b>		
Image Sensor		4 x 1/1.7" progressive scan CMOS
Picture Elements		4 x 4000 (H) x 3000 (V)
Minimum Illumination	Color	0.1 Lux
	B/W	0.05 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/30 ~ 1/16000 sec)
White Balance		Automatic, Manual (2800 ~ 8500K)
Gain Control		Automatic
S/N Ratio		54 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		15 fps at 4000 x 3000 (60/50 Hz) *The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).
Audio Compression		G.711
Audio Support		Two-way Audio
Sensor Input		4 Input (Dry Contact)
Alarm Output		1 Digital Output (4A 30V DC/250V AC)
<b>Optical Lens</b>		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		3.93 mm
Maximum Aperture		F/2.3
Mount		M12, Pitch 0.5 mm
Horizontal FOV		112°
Operation	Focus	Fixed
	Zoom	N/A
	Iris	Fixed
IR LED Quantity		12 IR LEDs
Max. IR Distance		50 m (165 ft)
<b>Video Resolution</b>		
Main Stream	4:3	4000 x 3000 (Default)
Sub Stream		1024 x 768 (Default), 640 x 480, 320 x 240
<b>Network</b>		
Interface		10/100 Ethernet
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), RTSP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA
<b>Mechanical</b>		
Temperature Detector		Yes
Connectors	Power	DC Jack, PoE ++
	Ethernet	RJ-45
	Audio	1 In (RCA female for microphone); 1 Out (RCA female for speaker)
	Digital I/O	I/O wires
	Local Storage	Micro SD card slot x 4 (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
<b>General</b>		
Environment Temperature	Start-up	-40°C (-40°F)
	Operation	-40°C ~ 50°C (-40°F ~ 122°F)
Heater		Heater On: 0°C (32°F); Off: 5°C (41°F)
Fan-on		50°C (122°F)
Humidity		10% ~ 90% (no condensation)
Power Source		24V DC, 3.75A / 24V AC, 3A / High PoE (PoE++, 72 W)
Max. Power Consumption		72 W
Regulatory		CE, FCC, RoHS compliant
Dimensions (Straight Tube Mount)		Ø 325.60 mm x 152.60 mm (Ø 12.82" x 6.01")
Weight		3700 g (8.16 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing

- Note:**
- The signal range and data throughput may vary depending on the network conditions and environmental factors.
  - Specifications are subject to change without notice.



## AI Deep Learning IP Camera

		GV-EBD8800	GV-EBD8813	GV-TBL8804	GV-TBL8810	GV-TVD8810
						
<b>Camera</b>						
<b>Image Sensor</b>		1/2.7" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/2.7" 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>		3840 (H) x 2160 (V)				
<b>Minimum Illumination</b>	<b>Color</b>	0.01 Lux (F2.0, AGC ON)	0.003 Lux (F1.5, AGC ON)	0.01 Lux (F2.0, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.003 Lux (F1.6, AGC ON)
	<b>B/W</b>	N/A				
	<b>IR ON</b>	0 Lux				
<b>Shutter Speed</b>		Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1/12 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)
<b>White Balance</b>		Auto / Manual				
<b>Gain Control</b>		Auto / Manual				
<b>S/N Ratio</b>		56 dB				
<b>WDR</b>		WDR Pro				
<b>Dynamic Range</b>		Up to 120 dB				
<b>Operation</b>						
<b>Video Compression</b>		H.265, H.264, MJPEG				
<b>Video Streaming</b>		Triple streams				
<b>Frame Rate</b>		20 fps at 3840 x 2160, 30 fps at 3072 x 1728 / 2560 x 1440 / 1920 x 1080 (60 / 50 Hz) *The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).				
<b>Audio Compression</b>		G.711				
<b>Audio Support</b>		One-way Audio	One-way Audio	Two-way Audio (built-in microphone and speaker)	Two-way Audio (external microphone and speaker required)	Two-way Audio (external speaker required)
<b>Sensor Input</b>		N/A			1 Input, dry contact, NO / NC	
<b>Alarm Output</b>		N/A			1 Relay Output (1A 30V DC / 0.3A 125V AC)	
<b>Optical Lens</b>						
<b>Megapixel</b>		Yes				
<b>Day/Night</b>		Yes (with removable IR-cut filter)				
<b>Lens Type</b>		Fixed	Motorized varifocal	Fixed	Motorized varifocal	Motorized varifocal
<b>Focal Length</b>		2.8 mm	2.8 ~ 12 mm	4 mm	2.8 ~ 12 mm	2.8 ~ 12 mm
<b>Maximum Aperture</b>		F/2.0	F/1.6	F/2.0	F/1.6	F/1.6
<b>Mount</b>		M12	Ø 12 mm	M12	Ø 14 mm	Ø 14 mm
<b>Horizontal FOV</b>		112°	107° ~ 29°	86°	31° ~ 96°	34° ~ 106°
<b>Operation</b>	<b>Focus</b>	Auto / Manual		Auto / Manual		
	<b>Zoom</b>	Fixed	4.3x optical zoom	Fixed	4.3x optical zoom	
	<b>Iris</b>	Fixed		Fixed		
<b>IR LED Quantity</b>		1 IR LED	2 IR LEDs	1 IR LED	3 IR LEDs	2 IR LEDs
<b>Max. IR Distance</b>		30 m (100 ft)	40 m (130 ft)	30 m (100 ft)	50 m (165 ft)	40 m (130 ft)
<b>White LED Quantity</b>		N/A	N/A	2 White LEDs	N/A	N/A
<b>Max. White Light Distance</b>		N/A	N/A	20 m (65 ft)	N/A	N/A
<b>Video Resolution</b>						
<b>Main Stream</b>		3840 x 2160 (Default), 3072 x 1728, 2560 x 1440, 1920 x 1080				
<b>Sub Stream</b>		1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288				
<b>Third Stream (Closed by Default)</b>		720 x 576, 704 x 288, 640 x 360, 352 x 288				
<b>Network</b>						
<b>Interface</b>		10/100 Ethernet				
<b>Protocol</b>		ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T)				
<b>Mechanical</b>						
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0 ~ 360°				
	<b>Tilt</b>	0 ~ 90°	0 ~ 75°	0 ~ 90°	0 ~ 120°	0 ~ 68°
	<b>Rotate</b>	0 ~ 360°				
<b>Connectors</b>	<b>Power</b>	DC Jack, PoE				
	<b>Ethernet</b>	RJ-45				
	<b>Audio</b>	1 In (built-in microphone)	1 In (built-in microphone)	Two-way (built-in microphone and speaker)	1 In (Audio In Wire) 1 Out (Audio Out Wire) *The Audio In port only supports microphones with power supply	1 In (built-in or external microphone with power supply) 1 Out (Audio Out Wire)
	<b>Digital I/O</b>	N/A	N/A	N/A	4-pin terminal block pitch 3.5 mm (0.14")	
<b>Local Storage</b>		Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card type is not supported.				
<b>General</b>						
<b>Operating Temperature</b>		-30 ~ 60°C (-22 ~ 140°F)				
<b>Humidity</b>		0 ~ 95% (no condensation)				
<b>Power Source</b>		12 V DC / PoE (IEEE802.3af)				
<b>Max. Power Consumption</b>		6.4 W	8.16 W	10.5 W	9.5 W	5.5 W
<b>Regulatory</b>		FCC, CE, RoHS compliant				
<b>Dimensions</b>		Ø 126 x 94 mm (Ø5.0 x 3.7")	Ø 129 x 110 mm (Ø 5.1" x 4.3")	191 x 75 x 74 mm (7.5" x 3.0" x 2.9")	244 x 96 x 74 mm (9.6" x 3.8" x 2.9")	Ø 148 x 111 mm (Ø 5.8 x 4.4")
<b>Weight</b>		0.45 kg (0.99 lb)	0.67 kg (1.48 lb)	0.41 kg (0.99 lb)	1.0 kg (2.2 lb)	0.45 kg (0.99 lb)
<b>Ingress Protection</b>		IP67				
<b>Vandal Resistance</b>		N/A	IK10 for metal casing	N/A	IK10 for metal casing	IK10 for metal casing

**Note:**

- The signal range and data throughput may vary depending on the network conditions and environmental factors.
- Specifications are subject to change without notice.