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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			
Camera									
Image Sensor	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	
Picture Elements	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)	
Minimum Illumination	Color	0.005 Lux		0.03 Lux		0.04 Lux		0.1 Lux	
	B/W	0.004 Lux		0.02 Lux		0.03 Lux		0.05 Lux	
	IR ON	0 Lux							
Shutter Speed	Automatic, Manual (1/5 ~ 1/16000 sec)								
White Balance	Automatic, Manual (2800 ~ 8500K)								
Gain Control	Automatic, Manual (1/5 ~ 1/16000 sec)								
S/N Ratio	Automatic, Manual (2800 ~ 8500K)		50 dB		50 dB		52 dB		
WDR Pro (with WDR sensor)	Yes		Yes		N/A		Yes	N/A	
Dynamic Range	130 dB		Up to 120 dB		Up to 72 dB		Up to 120 dB	Up to 72 dB	
Operation									
Video Compression	H.265, H.264, MJPEG							H.264, MJPEG	
Video Streaming	Triple streams from H.265, H.264 or MJPEG							Dual streams from 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		30 fps at 2592 x 1944		30 fps at 3840 x 2160	15 fps at 4000 x 3000 30 fps at 3840 x 2160	
Audio Compression	G.711								
Audio Support	Two-way Audio (external speaker required)								
Sensor Input	1 Input (Dry Contact)								
Alarm Output	1 Digital Output (200 mA 5 V DC)								
Optical Lens									
Megapixel	Yes								
Day/Night	Yes (with removable IR-cut filter)								
Lens Type	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens			
Focal Length	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	
Maximum Aperture	F/1.8	F/1.4	F/1.8	F/1.4	F/2.0	F/1.5		F/1.6	
Mount	CS Mount								
Image Format	1/2.5"	1/2.7"	1/2.5"	1/2.7"		1/1.8"		1/1.8"	
Horizontal FOV	110°	100° ~ 35°	104°	78° ~ 31°	120°	90° ~ 40°	108° ~ 48°	109° ~ 50°	
Operation	Focus	Manual (w/lock)							
	Zoom	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)		
	Iris	Fixed	P-Iris	Fixed	P-Iris	Fixed	P-Iris	DC drive	
Mechanical									
Temperature Detector	Yes								
Connectors	Power	2-pin terminal block, PoE							Ethernet (10/100/1000 Base-T), RJ-45 Connector
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector							Ethernet (10/100/1000 Base-T), RJ-45 Connector
	Audio	1 In (built-in or external microphone), 1 Out (3.5 mm stereo jack)							
	Digital I/O	3-pin terminal block, pitch 2.5 mm/0.1"							
	Auto Iris	Not functional	Yes (with varifocal lens)	Not functional	Yes (with varifocal lens)	Not functional	Yes (with varifocal lens)		
	Local Storage	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.							
	TV-Out	BNC connector (640 x 480 resolution)							
Mini USB	GV-WiFi Adapter or USB hard drive								
LED Indicator	2 LEDs: Power, Status								
General									
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)								
Humidity	10% to 90% (no condensation)								
Power Source	12 V DC / PoE (IEEE 802.3af)							12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption	4.9 W			4.37 W			6 W	6 W	
Regulatory	CE, FCC, RCM, LVD, RoHS compliant						CE, FCC, LVD, RoHS compliant	CE, FCC, RCM, RoHS compliant	
Dimensions	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")	
Weight	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
		
Camera		
Image Sensor		1/3" progressive scan super low lux CMOS
Picture Elements		2592 (H) x 1520 (V)
Minimum Illumination	Color	0.03 Lux
	B/W	0.02 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		50 dB
WDR Pro (with WDR Sensor)		Yes
Dynamic Range		Up to 120 dB
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Triple streams from H.265, H.264 or MJPEG
Frame Rate		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		N/A
Alarm Output		N/A
Optical Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal Lens
Focal Length		3 ~ 10.5 mm
Maximum Aperture		F/1.4
Mount		CS Mount
Image Format		1/2.7"
Horizontal FOV		78°~31°
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)
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 330°
	Tilt	0° ~ 90°
Temperature Detector	Power	Yes
	Ethernet	PoE
Connectors	Audio	Ethernet (10/100 Base-T), RJ-45 connector
	Auto Iris	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)
	Digital I/O	P-Iris
	Local Storage	N/A
	TV-Out	N/A
LED Indicator		BNC connector (640 x 480 resolution) 1 LED: Status
General		
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)
	Operation	-40 °C ~ 50 °C (-40°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		PoE (IEEE 802.3 at)
Max. Power Consumption		23 W
Regulatory		CE, FCC, RCM, LVD, RoHS compliant
Dimensions (L X W X H) (Without lens)		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")
Weight		3.2 Kg (7.1 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)
Fan		Constantly on

Note:

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
				
Camera				
Image Sensor		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
Picture Elements		1920 (H) x 1080 (V)	2592 (H) x 1520 (V)	3840 (H) x 2160 (V)
Minimum Illumination	Color	0.005 Lux	0.03 Lux	0.04 Lux
	B/W	0.004 Lux	0.02 Lux	0.03 Lux
	IR ON	0 Lux		
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
S/N Ratio		56 dB	50 dB	52 dB
WDR Pro (with WDR sensor)		Yes		
Dynamic Range		Up to 130 dB	Up to 120 dB	
Operation				
Video Compression		H.265, H.264, MJPEG		
Video Streaming		Triple streams		
Frame Rate		30 fps at 1920 x 1080	30 fps at 2048 x 1520	30 fps at 3840 x 2160
Audio Compression		G.711		
Audio Support		Two-way Audio (external microphone and speaker required)		
Sensor Input		1 input (Dry Contact)		
Alarm Output		1 digital output (200 mA 5 V DC)		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Varifocal Lens	Motorized Varifocal Lens	
Focal Length	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		
Maximum Aperture	GV-BL2702-3V	F/1.7	F/1.7	F/1.44
	GV-BL2702-4V	F/1.6		
	GV-BL2702-5V	F/2.0		
Mount		Ø14 mm		
Image Format		1/2.7"		1/2.5"
Horizontal FOV	GV-BL2702-3V	110° ~ 38°	102° ~ 38°	102° ~ 62°
	GV-BL2702-4V	56° ~ 8°		
	GV-BL2702-5V	42° ~ 17°		
Operation	Focus	Manual (w/lock)	Auto Focus	
	Zoom	Manual (w/lock)	4.3X optical zoom	2X optical zoom
	Iris		P-Iris	
IR LED Quantity		5 IR LEDs		
Max. IR Distance		60 m (200 ft)	60 m (200 ft)	40 m (130 ft)
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 360°		
	Tilt	90° ~ 180°		
	Rotate	0° ~ 360°		
Temperature Detector		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (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.		
General				
Environment Temperature	Star-up	-20 °C ~ 60 °C (-4 °F ~ 140 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	-20 °C ~ 60 °C (-4 °F ~ 140 °F)
	Operation	-30 °C ~ 60 °C (-22 °F ~ 140 °F)		-30 °C ~ 60 °C (-22 °F ~ 140 °F)
Humidity		10% ~ 90% (no condensation)		
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)		12 V DC / PoE+ (IEEE 802.3at)
Max. Power Consumption		12.3 W	12.9 W	18 W
Regulatory		CE, FCC, RCM, RoHS compliant		CE, FCC, LVD, RoHS compliant
Dimensions		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")
Weight		2.04 kg (4.50 lb)	2.44 kg (5.38 lb)	1.26 kg (2.77 lb)
Ingress Protection		IP67		
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).



Vandal Proof Dome Specifications (Part 1)


	GV-VD2712	GV-VD4712	GV-VD4711	GV-VD5711
				
Camera				
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	0.04 Lux
	B/W	0.004 Lux	0.02 Lux	0.03 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		46 dB
WDR	WDR Pro			Yes
Dynamic Range	Up to 130 dB	Up to 120 dB		Up to 72 dB
Operation				
Video Compression	H.265, H.264, MJPEG			
Video Streaming	Triple streams			
Frame Rate	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	30 fps at 2592 x 1944
Audio Compression	G.711			
Audio Support	Two-way Audio (external microphone and speaker required)			
Sensor Input	1 Input (Dry Contact)			
Alarm Output	1 Digital output (200mA 5V DC)			
Optical Lens				
Megapixel	Yes			
Day/Night	Yes (with removable IR-cut filter)			
Lens Type	Motorized Varifocal Lens			
Focal Length	2.8 ~ 12 mm	2.8 ~ 12 mm		4 ~ 8 mm
Maximum Aperture	F/1.2	F/1.4	F/1.7	F/1.65
Mount	Ø14 mm			
Image Format	1/2.7"		1/1.8"	
Horizontal FOV	110° ~ 38°	90° ~ 35°	95° ~ 36°	90° ~ 48°
Operation	Focus	Auto Focus		
	Zoom	4.3x optical zoom		2x Optical zoom
Iris	P-Iris			
IR LED Quantity	4 IR LEDs		6 IR LEDs	
Max. IR Distance	30 m (100 ft)			
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 350°		-90° ~ 90°
	Tilt	0° ~ 75°		0° ~ 85°
	Rotate	0° ~ 340°		0° ~ 350°
3-axis Mechanism	Yes			
Temperature Detector	Yes			
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)		
	Digital I/O	I/O Wires	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.	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			
General				
Environment Temperature	-20 °C ~ 60 °C (-4 °F ~ 140 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Heat On	N/A			
Fan	N/A			
Humidity	10% to 90% (no condensation)			
Power Source	12V DC / PoE (IEEE 802.3af)		12V DC / 24V AC / PoE (IEEE 802.3at)	
Max. Power Consumption	8.64 W	8.16 W		25.5 W
Regulatory	CE, FCC, RCM, LVD, RoHS compliant		CE, FCC, RCM, RoHS compliant	
Dimensions	ø160 x 108.4 mm (6.2" x 4.27")		ø176.5 x 118 mm (6.9" x 4.6")	
Weight	1.15 kg (2.54 lb)		1.83 kg (4.03 lb)	
Ingress Protection	IP67			
Vandal Resistance	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
			
Camera			
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
Operation			
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)	
Optical Lens			
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)	
Mechanical			
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	
General			
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


		GV-MD8710
		
Camera		
Image Sensor		1/2" progressive scan super low lux CMOS
Picture Elements		3840 (H) x 2160(V)
Minimum Illumination	Color	0.04 Lux
	B/W	0.03 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		52 dB
WDR Pro (with WDR sensor)		Yes
Dynamic Range		Up to 120 dB
Operation		
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 3840 x 2160
Audio Compression		G.711
Audio Support		Two-way Audio (external microphone and speaker required)
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Output (200 mA 5 V DC)
Optical Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Motorized varifocal lens
Focal Length		4 ~ 8 mm
Maximum Aperture		F/1.44
Mount		Ø14 mm
Image Format		1/2.5"
Horizontal FOV		112° ~ 61°
Operation	Focus	Automatic
	Zoom	2X optional zoom
	Iris	P-Iris
IR LED Quantity		4 IR LEDs
Max. IR Distance		30 m (100 ft)
Mechanical		
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 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
	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
General		
Environment Temperature	Start-up	0 °C ~ 50 °C (32 °F ~ 122 °F)
	Operation	
Humidity		10% ~ 90% (no condensation)
Power Source		12 V DC / PoE (IEEE 802.3af)
Max. Power Consumption		9.5 W
Regulatory		CE, FCC, LVD, RoHS compliant
Dimensions		Ø125 x 99.5 mm (Ø 4.92" x 3.92")
Weight		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	
					
Camera					
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		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	
Operation					
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)			
Optical Lens					
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			
Mechanical					
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)			
General					
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)

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





Target Series Specifications (Part 1)

		GV-EBL2101	GV-EBL4702 Series	GV-EBL4711
				
Camera				
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	0 Lux	
Shutter Speed		Auto, Manual (1/30 ~ 1/16000 sec)	0.004 Lux	
White Balance		Auto, Manual (2800K ~ 8500K)	0 Lux	
Gain Control		Automatic		
S/N Ratio		56 dB	50 dB	
WDR		Yes	WDR Pro	
Dynamic Range		Up to 72 dB	Up to 120 dB	
Operation				
Video Compression		H.264, MJPEG	H.265, H.264, MJPEG	
Video Streaming		Dual streams	Triple streams	
Frame Rate		30 fps at 1920 x 1080	30 fps at 2048 x 1520	
Audio Support		N/A	N/A	
Optical Lens				
Megapixel		Yes	Yes	
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Varifocal	Fixed	Motorized varifocal
Focal Length		3 ~ 9 mm	GV-EBL4702-1F	6 mm
			GV-EBL4702-2F	3.8 mm
			GV-EBL4702-3F	2.8 mm
Maximum Aperture		F/1.7	GV-EBL4702-1F	F/2.0
			GV-EBL4702-2F	F/1.8
			GV-EBL4702-3F	F/2.0
Mount		Ø14 mm	Ø12 mm	Ø14 mm
Image Format		1/2.7"	1/2.7"	
Horizontal FOV		102° ~ 40°	GV-EBL4702-1F	51°
			GV-EBL4702-2F	72°
			GV-EBL4702-3F	96°
Operation	Focus	Manual (w/lock)	Fixed	Auto
	Zoom	Manual (w/lock)		4.4x optical zoom
	Iris	P-Iris		P-Iris
IR LED Quantity		24 IR LEDs	6 IR LEDs	
Max. IR Distance		75 m (250 ft)	30 m (100 ft)	
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 360°		
	Tilt	90° ~ 180		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable		
	Audio	N/A		
	Local Storage	N/A	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
LED Indicator		4 LEDs: Link, ACT, Power, Status	2 LEDs: Power, Status	
General				
Environment Temperature	Startup	-20°C ~ 50°C (-4°F ~ 122°F)		-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		7.1 W	9.12 W	13.12 W
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions (L X W X H)		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")	144.14 x 77.72 x 102.75 mm (5.67" x 3.06" x 4.05")
Weight		810 g (1.79 lb)	825 g (1.81 lb)	880 g (1.94 lb)
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal casing		

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




Target Series Specifications (Part 2)

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




Target Series Specifications (Part 3)

		GV-ABL4712	GV-TBL4710	GV-ABL4711	GV-TBL4711	GV-ABL8712	GV-TBL8710
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS				1/2" progressive scan super low lux CMOS	
Picture Elements		2592 (H) x 1520 (V)		2688 (H) x 1520 (V)		3840 (H) x 2160 (V)	
Minimum Illumination	Color	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 sec)					
White Balance		Auto / Manual					
Gain Control		Auto / Manual					
S/N Ratio		52 dB					
WDR		WDR Pro					
Dynamic Range		Up to 120 dB					
Operation							
Video Compression		H.265, H.264, MJPEG					
Video Streaming		Triple streams					
Frame Rate		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	
Audio Compression		G.711					
Audio Support		Two-way Audio (external microphone and speaker required)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Motorized varifocal					
Focal Length		2.8 ~ 12 mm					
Maximum Aperture		F/1.4		F/1.6		F/1.5	
Mount		Ø14 mm					
Image Format		1/3"				1/2"	
Horizontal FOV		27° ~ 91°		31 ~ 98°		114.8° ~ 47.3°	
Operation	Focus	Auto / Manual					
	Zoom	4.3x optical zoom					
	Iris	Fixed					
IR LED Quantity		2 IR LEDs		3 IR LEDs		3 IR LEDs	
Max. IR Distance		30 m (100 ft)		50 m (165 ft)		50 m (165 ft)	
Mechanical							
Camera Angle Adjustment	Pan	0° ~ 360°					
	Tilt	0° ~ 120°					
	Rotate	0° ~ 360°					
Connectors	Power	DC Jack, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable					
	Audio	1 In (Audio In Wire), 1 Out (Audio Out Wire)					
	Digital I/O	4-pin terminal block, pitch 3.5 mm (0.14")					
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.					
	TV Out	N/A				BNC Connector	
General							
Environment Temperature	Startup	-35°C ~ 60°C (-31°F ~ 140°F)		-30 ~ 60°C (-22 ~ 140°F)		-35°C ~ 60°C (-31°F ~ 140°F)	
	Operation						
Humidity		0% ~ 95% (no condensation)					
Power Source		12 V DC / PoE (IEEE 802.3af)					
Max. Power Consumption		9 W 10 W		9.5 W		9 W 10 W	
Regulatory		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS compliant FCC, CE, RoHS compliant	
Dimensions (L X W X H)		244 x 96 x 74 mm (9.6" x 3.8" x 2.9")					
Weight		0.58 kg (1.28 lb)		1.0 kg (2.2 lb)		0.58 kg (1.28 lb)	
Ingress Protection		IP67					
Vandal Resistance		IK10 for metal casing					

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




Target Series Specifications (Part 4)

		GV-EFD4700 Series		GV-EFD2700 Series	
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS	
Picture Elements		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.03 Lux		0.005 Lux	
	B/W	0.02 Lux		0.004 Lux	
	IR ON	0 Lux		0 Lux	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		Automatic, manual (1/5 ~ 1/16000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		50 dB		56 dB	
WDR				WDR Pro	
Dynamic Range		Up to 120 dB		Up to 130 dB	
Operation					
Video Compression		H.265, H.264, MJPEG			
Video Streaming		Triple streams from H.265, H.264 or MJPEG		Dual streams from H.265, H.264 or MJPEG	
Frame Rate		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080	
Audio Compression		G.711			
Audio Support		One-way Audio			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed			
Focal Length	GV-EFD4700-0F / EFD2700-0F			2.8 mm	
	GV-EFD4700-2F / EFD2700-2F			3.8 mm	
Maximum Aperture	GV-EFD4700-0F / EFD2700-0F			F/2.0	
	GV-EFD4700-2F / EFD2700-2F			F/1.8	
Mount		M12, Pitch 0.5 mm			
Image Format		1/2.7"			
Horizontal FOV	GV-EFD4700-0F	96°		GV-EFD2700-0F	100°
	GV-EFD4700-2F	72°		GV-EFD2700-2F	73°
Operation	Focus				
	Zoom	Fixed			
	Iris				
IR LED Quantity		12 IR LEDs			
Max. IR Distance		15 m (50 ft)		40 m (130 ft)	
Mechanical					
Camera Angle	Pan	-45° ~ 45°			
Adjustment	Tilt	0° ~ 63°			
	Power	2-pin terminal block, PoE			
Connectors	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable			
	Audio	1 In (built-in microphone)			
	Local Storage	N/A		Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II/SDXC card type is not supported.	
LED Indicator		4 LEDs: Link, ACT, Power, Status			
General					
Environment Temperature		0°C ~ 45°C (32°F ~ 113°F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		6.07 W			
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimensions (L X W X H)		ø 100 x 60 mm (3.9" x 2.4")			
Weight		148 g (0.33 lb)			
Ingress Protection		N/A			
Vandal Resistance		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
			
Camera			
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS
Picture Elements		2592 (H) x 1520 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.03 Lux	0.005 Lux
	B/W	0.02 Lux	0.004 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		50 dB	56 dB
WDR		WDR Pro	
Dynamic Range		Up to 120 dB	Up to 130 dB
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Triple streams	Dual streams
Frame Rate		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 1920 x 1080
Audio Support		N/A	
Optical Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	
Focal Length	GV-EDR4700-0F / EDR2700-0F	2.8 mm	
	GV-EDR4700-2F / EDR2700-2F	3.8 mm	
Maximum Aperture	GV-EDR4700-0F / EDR2700-0F	F/2.0	
	GV-EDR4700-2F / EDR2700-2F	F/1.8	
Mount		M12, Pitch 0.5 mm	
Image Format		1/2.7"	
Horizontal FOV	GV-EDR4700-0F	96°	GV-EDR2700-0F 100°
	GV-EDR4700-2F	72°	GV-EDR2700-2F 73°
Operation (Focus/Zoom/Iris)		Fixed	
IR LED Quantity		12 IR LEDs	
Max. IR Distance		15 m (50 ft)	40 m (130 ft)
Mechanical			
Camera Angle Adjustment	Pan	-45° ~ 45°	
	Tilt	0° ~ 63°	
	Rotate	N/A	
Connectors	Power	2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	
	Audio	N/A	
	Local Storage	N/A	Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II/SDXC card type is not supported.
LED Indicator		4 LEDs: Link, ACT, Power, Status	
General			
Environment	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 60°C (-4°F ~ 140°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Humidity		10% to 90% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption		6.07 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant	
Dimensions (L X W X H)		ø 114 x 62.8 mm (4.49" x 2.47")	
Weight		600 g (1.32 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	

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





Target Series Specifications (Part 6)

	GV-ADR2701	GV-ADR2702	GV-TDR2702	GV-TDR2700	GV-TDR4700	GV-ADR4701	GV-ADR4702	GV-TDR4702	GV-TDR4703			
												
Camera												
Image Sensor	1/2.7" progressive scan low lux CMOS			1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS						
Picture Elements	1920 (H) x 1080 (V)				2592(H) x 1520 (V)				2688 (H) x 1520 (V)			
Minimum Illumination	Color	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/W	N/A										
	IR ON	0 Lux										
Shutter Speed	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)			
White Balance	Auto / Manual											
Gain Control	Auto / Manual											
S/N Ratio	52 dB											
WDR	Yes			WDR Pro		Yes			WDR Pro			
Dynamic Range	Up to 72 dB			Up to 120 dB		Up to 72 dB			Up to 120 dB			
Operation												
Video Compression	H.265, H.264, MJPEG											
Video Streaming	Triple streams											
Frame Rate	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		
Audio Compression	N/A			G.711		N/A			G.711			
Audio Support	N/A			Two-way Audio (external microphone and speaker required)		N/A			Two-way Audio (external microphone and speaker required)			
Digital I/O	Input	N/A			1 Input, dry contact, NO / NC		N/A			1 Input, dry contact, NO / NC		
	Output	N/A			1 Relay Output (1A 30V DC / 0.3A 125V AC)		N/A			1 Relay Output (1A 30V DC / 0.3A 125V AC)		
Optical Lens												
Megapixel	Yes											
Day/Night	Yes (with removable IR-cut filter)											
Lens Type	Fixed											
Focal Length	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	0F 1F	2.8 mm 4.0 mm	2F 4F	2.8 mm 4.0 mm
Maximum Aperture	F/1.8	F/2.0		F/1.6		F2.0		F/1.8	F/2.0			
Mount	M12											
Image Format	1/2.7"			1/2.8"		1/3"						
Horizontal FOV	105.2°	0F	110°	0F	111°	0F	100°	101°	0F	101°	2F	95°
		1F	83°	1F	81°	1F	78°		1F	76°	4F	82°
Operation	Focus	Fixed										
	Zoom	Fixed										
	Iris	Fixed										
IR LED Quantity	1 IR LED											
Max. IR Distance	30 m (100 ft)											
Mechanical												
Camera Angle Adjustment	Pan	0° ~ 360°										
	Tilt	0° ~ 68°	0° ~ 75°				0° ~ 68°	0° ~ 75°		0° ~ 90°		
	Rotate	N/A			0° ~ 360°		N/A			0° ~ 360°		
Connectors	Power	DC Jack, PoE										
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable										
	Audio	N/A			2 In (Audio In Wire) 1 Out (Audio Out Wire)		N/A			1 In (Audio In Wire) 1 Out (Audio Out Wire)		
	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											
General												
Environment Temperature	-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)			
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 W	4.5 W		4 W		5 W		4.5 W		5.5 W		
Regulatory	FCC, CE, RoHS compliant			FCC, CE, RoHS compliant		FCC, CE, RoHS compliant						
Dimensions (L X W X H)	Ø 109 x 81 mm (Ø 4.3" x 3.2")											
Weight	0.3 kg (0.66 lb)			0.45 kg (0.99 lb)		0.3 kg (0.66 lb)			0.45 kg (0.99 lb)			
Ingress Protection	IP66	IP67				IP66			IP67			
Vandal Resistance	IK10 for metal casing											

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




Target Series Specifications (Part 7)

	GV-EBD2702	GV-EBD4700	GV-EBD4701	GV-EBD8700	GV-EBD4711	GV-EBD4712	GV-EBD8711	
								
Camera								
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 IR ON	N/A						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						
Operation								
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		
Optical Lens								
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)							
Mechanical								
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							
General								
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)


		GV-EFD2101
		
Camera		
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
Operation		
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)
Optical Lens		
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)
Mechanical		
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
General		
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
				
Camera				
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
Operation				
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)		
Optical Lens				
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)	
Mechanical				
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		
General				
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	
									
Camera									
Image Sensor		1/2.8" 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)		2592 (H) x 1520 (V)	
Minimum Illumination		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)	
Color		0.003 Lux (F1.5, AGC ON)							
B/W		N/A							
IR ON		0 Lux							
Shutter Speed		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)	
White Balance		Auto / Manual							
Gain Control		Auto / Manual							
S/N Ratio		52 dB		56 dB		55 dB		56dB	
WDR Pro (with WDR sensor)		Yes							
Dynamic Range		Up to 120 dB		Up to 72 dB		Up to 120 dB		Up to 120 dB	
Operation									
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		30 fps at 2688 x 1520		20 fps at 2592 x 1520	
						25 fps at 2560 x 1440		30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	
				30 fps at 2304 x 1296		30 fps at 2048 x 1520			
Audio Compression		G.711		N/A		G.711		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)		N/A		Two-way Audio (external microphone and speaker required)			
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Varifocal			Motorized varifocal				
Focal Length		2.8 ~ 12 mm							
Maximum Aperture		F/1.6			F/1.4		F/1.5		
Mount		Ø 14 mm							
Image Format		1/2.8"		1/3"		1/3"		1/2"	
Horizontal FOV		108° ~ 30°		97° ~ 29°		98° ~ 31°		91° ~ 27°	
								114.8° ~ 47.3°	
Operation		Manual (with lock)			4.3x Optical Zoom		Auto / Manual		
Zoom		Manual (with lock)			4.3x Optical Zoom		4.3x Optical Zoom		
Iris		Fixed							
IR LED Quantity		2 IR LEDs							
Max. IR Distance		30 m (100 ft)							
Mechanical									
Camera Angle Adjustment		Pan		0° ~ 360°					
		Tilt		0° ~ 80°					
		Rotate		0° ~ 360°					
3-axis Mechanism		Yes							
Power		DC Jack, PoE		2-pin terminal block (DC 12 V, 1.25 A), PoE		DC Jack, PoE			
Ethernet		Ethernet (10/100 Base-T), RJ-45 cable							
Audio		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)	
TV-Out		BNC connector (640 x 480 resolution)		N/A			BNC connector (640 x 480 resolution)		
Digital I/O		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"	
Local Storage		Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10) *UHS-II card type is not supported.							
General									
Environment		Start-up		-40°C ~ 60°C (-40°F ~ 140°F)		-35~ 60°C (-31 ~ 140°F)		-40°C ~ 60°C (-40°F ~ 140°F)	
		Operation							
Humidity		0 ~ 95% (no condensation)							
Power Source		12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption		7.2 W		7 W		8.7 W		7.2 W	
								8 W	
Regulatory		CE, FCC, RoHS compliant		CE, FCC, RoHS compliant			CE, FCC, RoHS compliant		CE, FCC, RoHS compliant
Dimensions (L X W X H)		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")		
Weight		0.75 kg (1.7 lb)		0.92 kg (2 lb)		0.75 kg (1.7 lb)			
Ingress Protection		IP67			IP66		IP67		
Vandal Resistance		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)
			
Camera			
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	
Operation			
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)	
Optical Lens			
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)	
Mechanical			
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
General			
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)
					
Camera					
Image Sensor		1/2.5" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS
Picture Elements		2592 (H) x 1944 (V)	4000 (H) x 3000 (V)	4000 (H) x 3000 (V)	4000 (H) x 3000 (V)
Minimum Illumination	Color	0.03 Lux	0.1 Lux	0.1 Lux	0.1 Lux
	B/W	0.02 Lux	0.05 Lux	0.05 Lux	0.01 Lux
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux
Shutter Speed		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)
White Balance		Auto, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)	Automatic, Manual
Gain Control		Automatic	Automatic	Automatic	Automatic
S/N Ratio		50 dB	52 dB	52 dB	52 dB
WDR Pro (with WDR Sensor)		Yes	N/A	WDR	WDR
Dynamic Range		Up to 120 dB	Up to 72 dB	Up to 72 dB	Up to 77 dB
Operation					
Video Compression		H.265, H.264, MJPEG	H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Video Streaming		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
Frame Rate		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)
Audio Compression		G.711	G.711	G.711	G.711
Audio Support		Two-way Audio (external speaker required)			
Sensor Input		1 Input (Dry Contact)	1 Input (Dry Contact)	1 Input (Dry Contact)	1 Input
Alarm Output		1 Digital Output (200 mA 5V DC)	1 Digital Output (200 mA 5V DC)	1 Digital Output (200 mA 5V DC)	1 Output
Optical Lens					
Megapixel		Yes	Yes	Yes	Yes
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Focal Length		1.05 mm	1.83 mm	1.2 mm	1.65 mm
Maximum Aperture		F/2.8	F/2.4	F/2.2	F/2.8
Mount		M12	M12	M12	M12
Image Format		1/2.5"	1/1.7"	1/1.7"	1/1.7"
Horizontal FOV		180°	180°	180°	180°
Operation	Focus	Fixed	Fixed	Fixed	Fixed
	Iris				
	Zoom				
IR LED Quantity		6 IR LEDs	6 IR LEDs	6 IR LEDs	4 IR LEDs
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	30 m (100 ft)	10 m (35 ft)
Mechanical					
Temperature Detector		Yes	Yes	Yes	Yes
Connectors	Power	2-pin terminal block, PoE	2-pin terminal block, PoE	2-pin terminal block, PoE	DC Jack
	Ethernet	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
	Audio	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) 1 Out (3.5 mm stereo jack)
	Digital I/O	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
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.			
USB	GV-WiFi Adapter or USB hard drive	USB hard drive	GV-WiFi Adapter or USB hard drive	N/A	
General					
Environment	Start-Up	-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)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)		-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 55°C (-22°F ~ 131°F)
Humidity		10% to 90% (no condensation)	10% to 90% (no condensation)	10% to 90% (no condensation)	10% to 90% (no condensation)
Power Source		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)
Max. Power Consumption		15 W	28 W	17 W	12.95 W
Regulatory		CE, FCC, LVD, RoHS compliant	CE, FCC, RCM, LVD, RoHS compliant	CE, FCC, LVD, RoHS compliant	CE, FCC, RoHS compliant
Dimensions		∅ 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")
Weight		700 g (1.54 lb)	700 g (1.54 lb)	700 g (1.54 lb)	565 g (1.25 lb)
Ingress Protection		IP67	IP67	IP67	IP66
Vandal Resistance		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	
Operation				
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			
Optical Lens				
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		
Mechanical				
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.		
General				
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	
						
Image Sensor	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	
Picture Elements	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.0005 Lux (F1.5, AGC ON)		0.003 Lux (F1.6, AGC ON)		
	B/W	N/A				
	IR ON	0 Lux		N/A	0 Lux	N/A
Shutter Speed	Auto / Manual (1/6 ~ 1/100000 sec)			Auto / Manual (1 ~ 1/10000 sec)		
White Balance	Auto / Manual					
AGC Control	Auto / Manual		N/A	N/A	N/A	
S/N Ratio	52 dB		55 dB		N/A	
Optical Zoom	22x		33x			
Digital Zoom	Unlimited			10x		
WDR Pro (with WDR sensor)	Yes					
Dynamic Range	Up to 120 dB					
Operation						
Video Compression	H.265, H.264 or MJPEG					
Video Streaming	Triple streams from H.265, H.264 or MJPEG			Quad streams from H.265, H.264 or MJPEG		
Frame Rate	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)	
Audio Compression	G.711					
Audio Support	Two-way Audio (external microphone and speaker required)					
Sensor Input	2 Inputs, dry contact, NO / NC			4 Inputs, dry contact, NO / NC		
Alarm Output	1 Relay Output (1A 30V DC / 0.3A 125V AC)			2 Relay Outputs (120mA 400V DC / 120mA 250V AC)		
Pan Travel	360° endless					
Tilt Travel	-15° ~ 90°		-10° ~ 100°	-20° ~ 100°	-10° ~ 100°	
Movement Speed	0.1° ~ 240°/s		0.1° ~ 400°/s	0.1° ~ 280°/s	0.1° ~ 400°/s	
Presets	255			256		
Preset Accuracy	0.1°					
Auto Pan	Yes			4		
Sequence	Max Number				8	
	Max Presets Allowed	N/A			64	
Cruise				8		
Tour				8		
Patrol	Max Number	16		N/A	N/A	
	Max Actions Allowed	32		N/A	N/A	
Privacy Mask	24			20		
Optical Lens						
Megapixel	Yes					
Day/Night	Yes (with removable IR Cut Filter)					
Focal Length	6.5 ~ 143 mm		4.5 ~ 148.5 mm		4.6 ~ 152 mm	
Maximum Aperture	F/ 1.5		F/ 1.6			
Operation	Focus	Auto / Manual				
	Zoom	22x		33x		
	Iris	Auto / Manual				
IR LED Quantity	10 IR LEDs		N/A	16	N/A	
Max. IR Distance	200 m (655ft)		150 m (500 ft)	N/A	150 m (500 ft)	
Mechanical						
Temperature Detector	N/A					
Connectors	Power	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)	Terminal Block (AC 24V), PoE+ (802.3at)
	Ethernet	10/100 Base-T, RJ-45 connector				
	Audio	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)		
	Digital I/O	I/O Wires			I/O Terminal Block	
	Local Storage	Micro SD card slot (SDHC/SDXC, Class 10) *UHS-I/UHS-II card types are not supported			SD card slot (SDHC / SDXC, Class 10)	
	TV-Out	BNC connector				
General						
Environment Temperature	-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)	
Humidity	20% ~ 90% (no condensation)			10% ~ 90% (non-condensing)		
Power Source	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)	
Max. Power Consumption	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.	
Regulatory	CE, FCC, RoHS compliant			CE, FCC, RoHS compliant		
Dimensions	∅ 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")	
Weight	5.4 kg (11.9 lb)		2.6 kg (5.73 lb)	3.8 kg (8.38 lb)	2.9 kg (6.39 lb)	
Ingress Protection	IP66			N/A		IP66
Vandal Resistance	IK10 for metal casing			N/A		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)
		
Camera		
Image Sensor	1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS
Picture Elements	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
Minimum Illumination	0.02 Lux	0.02 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec)	Automatic, Manual (1/5 ~ 1/8000 sec)
White Balance	Automatic, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)
Gain Control	Automatic	Automatic
S/N Ratio	52 dB	52 dB
WDR	Yes	N/A
Dynamic Range	Up to 72 dB	Up to 72 dB
Operation		
Video Compression	H.264, MJPEG	H.264, MJPEG
Video Streaming	Dual streams from H.264 or MJPEG	Dual streams from H.264 or MJPEG
Frame Rate	30 fps at 1920 x 1080	30 fps at 1920 x 1080
Audio Compression	AAC 32K * This audio codec is for custom procurement; consult our sales representatives before purchasing.	
Audio Support	One-way Audio	One-way Audio
Sensor Input	N/A	N/A
Alarm Output	N/A	N/A
Optical Lens		
Megapixel	Yes	Yes
Day/Night	Yes (Electronic)	Yes (with removable IR-cut filter)
Iris	Fixed	Fixed
Focal Length	3.7 mm	1.19 mm
Maximum Aperture	F/2.8	F/2.0
Mount	M12	M12
Image Format	1/2.7"	1/2.3"
Horizontal FOV	84°	180°
Operation	Fixed	Fixed
Zoom	Fixed	Fixed
Iris	Fixed	Fixed
Mechanical		
Temperature Detector	Yes	Yes
Connectors		
Power	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
Ethernet	RJ-45 connector	RJ-45 connector
Audio	1 In (built-in microphone)	1 In (built-in microphone)
Local Storage	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.
Camera Unit Connect	RJ-12	RJ-12
LED Indicator	4 LEDs: Link, ACT, Camera Status, RJ-12 Status	4 LEDs: Link, ACT, Camera Status, RJ-12 Status
General		
Environment Temperature	-5 °C ~50 °C (23 °F ~ 122 °F)	-5 °C ~50 °C (23 °F ~ 122 °F)
Humidity	10% to 90% (no condensation)	10% to 90% (no condensation)
Power Source	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
Max. Power Consumption	4.8 W	7.7 W
Regulatory	CE, FCC, RCM, RoHS compliant	CE, FCC, RCM, RoHS compliant
Dimensions		
Main Base	78.5 x 47.36 x 32.5 mm (3.09" x 1.86" x 1.28")	78.5 x 47.36 x 32.5 mm
Pinhole Unit	∅ 59.93 x 50.14 mm (2.36" x 1.97")	∅ 80.35 x 115.12 mm
Weight (with rack)	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
				
Camera				
Image Sensor		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	
Picture Elements		FE: 2560 (H) x 1920 (V); SD: 1920 (H) x 1080 (V)	FE: 4000 (H) x 3000 (V); SD: 1920 (H) x 1080 (V)	
Minimum Illumination	Color B/W	FE: 0.15 Lux; SD: 0.5 Lux	FE: 0.1 Lux; SD: 0.5 Lux	
Shutter Speed		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.)	
White Balance		Automatic, Manual (2800K ~ 8500K)		
Gain Control		FE: Automatic; SD: Automatic, Manual		
S/N Ratio		FE: 45 dB; SD: 50 dB (AGC Off)	FE: 52 dB; SD: 50 dB (AGC Off)	
WDR		FE: Yes (WDR); SD: Yes (WDR Pro)	FE: N/A; SD: Yes (WDR Pro)	
Dynamic Range		FE: Up to 72 dB; SD: Up to 100 dB		
Operation				
Video Compression		H.264, MJPEG	H.265 (SD Only), H.264, MJPEG	
Video Streaming		Dual streams from H.264 or MJPEG	Dual streams from H.265 (SD Only), H.264 or MJPEG	
Frame Rate		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)	
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 (200 mA 5V DC)	1 Digital Output (4A 30V DC / 250V AC)	
Pan Travel		355°	360°	
Tilt Travel		-15° ~ 195°		
Proportional Pan & Tilt		Auto (Pan and tilt speed proportional to zoom ratio)		
Picture Flip		On / Off		
Sequence	Max. Number	8		
	Max. Presets	16		
Auto Pan		8		
Cruise		4		
Tour	Max. Number	8		
	Max. Number of Preset / Sequence / Auto Pan / Cruise	16		
Privacy Mask		8		
Wide Dynamic Range		On / Off		
Optical Lens				
Megapixel		Yes		
Day/Night		FE: Yes (Electronic); SD: Yes (with removable IR-cut filter)		
Focal Length		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
Maximum Aperture		FE: F/2.0; SD: F/1.6		
Horizontal FOV		FE: 180°; SD: 54° ~ 4.9°	FE: 180°; SD: 55.4° ~ 2.9°	FE: 180°; SD: 58.9° ~ 2.11°
Operation	Focus	FE: Fixed; SD: Auto / Manual		
	Zoom	FE: Fixed; SD: 10x	FE: Fixed; SD: 20x	FE: Fixed; SD: 30x
	Iris	FE: Fixed; SD: Auto / Manual		
Mechanical				
Temperature Detector		Yes		
Connectors	Power	DC Jack, 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	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.	
General				
Operating Temperature		-40°C ~ 50°C (-40°F ~ 122°F)		
Heater		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)	
Fan On		45°C (113°F)	> 55°C (149°F), < 15°C (59°F)	
Humidity		20% to 90% (no condensation)	10% to 90% (no condensation)	
Power Source		DC 24V / AC 24V / High PoE (PoE++, 40 W)	DC 24V / AC 24V / High PoE (PoE++, 53 W)	
Max. Power Consumption		40 W	57.2 W	
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions		∅ 211.63 x 272.00 mm (8.332" x 10.709")	∅ 211 x 277 mm (8.3" x 10.9")	
Weight		3.75 kg (8.27 lb)	3.3 kg (7.27 lb)	
Ingress Protection		IP67		
Vandal Resistance		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
		
Camera		
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	
Operation		
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	
Optical Lens		
Focal Length	40 mm	
Horizontal FOV	13.7°	
Operation	Focus	Auto / Manual
	Zoom	2x (Digital)
	Iris	N/A
Observation Range		
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)
Mechanical		
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	N/A
General		
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
		
Camera		
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
Operation		
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)
Optical Lens		
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)
Video Resolution		
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
Network		
Interface		10/100 Ethernet
Mechanical		
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
General		
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)
			
Camera			
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	
Operation			
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)	
Optical Lens			
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)	
Face Recognition			
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	
Mechanical			
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	
General			
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		
								
Camera								
Image Sensor		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		
Picture Elements		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	3840(H) x 2160(V)			
Minimum Illumination	Color	0.005 Lux		0.03 Lux	0.04 Lux	0.04 Lux		
	B/W	0.004 Lux		0.02 Lux	0.03 Lux	0.03 Lux		
Shutter Speed		Auto, Manual (1/30 ~ 1/16000 sec)						
White Balance		Auto, Manual (2800K ~ 8500K)						
Gain Control		Automatic						
S/N Ratio		56 dB		50 dB	52 dB			
WDR		WDR Pro						
Dynamic Range		Up to 130 dB		Up to 120 dB				
Operation								
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 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 3840 x 2160	30 fps at 3840 x 2160		
Audio Compression		G.711						
Sensor Input		1 Input (Dry Contact)						
Alarm Output		1 Digital Output (200 mA 5 V DC)						
Audio Support		Two-way Audio (external speaker required)				Two-way Audio (external microphone and speaker required)		
Optical Lens								
Megapixel		Yes						
Day/Night		Yes (with removable IR-cut filter)						
Lens Type		Varifocal			Motorized varifocal lens			
Focal Length		3 ~ 10.5 mm		3.6 ~ 10 mm	4 ~ 8 mm			
Maximum Aperture		F/1.4		F/1.5	F/1.44			
Mount		CS Mount						
Image Format		1/2.7"		1/1.18"	1/2.5"			
Horizontal FOV		100° ~ 35°		78° ~ 31°	108° ~ 48°	112° ~ 61°		
Operation	Focus	Manual (w/lock)				Auto		
	Zoom	Manual (w/lock)				2X optical zoom		
	Iris	P-Iris						
IR LED Quantity		N/A				4 IR LEDs		
Max. IR Distance		N/A				30 m (100 ft)		
Face Detection								
Environment		600 lux						
Detection face angle	Tilt (Up/Down)	± 30						
	Swing (Left/Right)	± 60						
Max. No of Faces		Up to 32	Up to 16			Up to 32		
Min. Face Image Pixel Requirement		100 x 100			130 x 130			
Mechanical								
Camera Angle Adjustment	Pan					0° ~ 350°		
	Tilt	N/A				0° ~ 75°		
	Rotate					0° ~ 340°		
Connectors	Power	2-pin terminal block, PoE						
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable						
	Audio	1 In (built-in or external microphone), 1 Out (3.5 mm stereo jack)				1 In, 1 Out (3.5 mm stereo jack)		
	Auto Iris	Yes (with varifocal lens)					Yes (with motorized lens)	
	Digital I/O	3-pin terminal block, pitch 2.5 mm/0.1"					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)					N/A	
Mini USB	GV-WiFi Adapter or USB hard drive					N/A		
LED Indicator		2 LEDs: Power, Status						
General								
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)						
Humidity		10% ~ 90% (no condensation)						
Power Source		12 V DC / PoE (IEEE 802.3af)						
Max. Power Consumption		6 W	4.9 W			6 W	9.5 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			CE, FCC, LVD, RoHS compliant			
Dimensions (L X W X H)		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")	
Weight		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
		
Camera		
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
Operation		
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)
Optical Lens		
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)
Video Resolution		
Main Stream	4:3	4000 x 3000 (Default)
Sub Stream		1024 x 768 (Default), 640 x 480, 320 x 240
Network		
Interface		10/100 Ethernet
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), RTSP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA
Mechanical		
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.
General		
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
Camera						
Image Sensor		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
Picture Elements		3840 (H) x 2160 (V)				
Minimum Illumination	Color	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/W	N/A				
	IR ON	0 Lux				
Shutter Speed		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)
White Balance		Auto / Manual				
Gain Control		Auto / Manual				
S/N Ratio		56 dB				
WDR		WDR Pro				
Dynamic Range		Up to 120 dB				
Operation						
Video Compression		H.265, H.264, MJPEG				
Video Streaming		Triple streams				
Frame Rate		20 fps at 3840 x 2160, 30 fps at 3072 x 1728 / 2560 x 1440 / 1920 x 1080 (60 / 50 Hz)				
Audio Compression		G.711				
Audio Support		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)
Sensor Input		N/A			1 Input, dry contact, NO / NC	
Alarm Output		N/A			1 Relay Output (1A 30V DC / 0.3A 125V AC)	
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Lens Type		Fixed	Motorized varifocal	Fixed	Motorized varifocal	Motorized varifocal
Focal Length		2.8 mm	2.8 ~ 12 mm	4 mm	2.8 ~ 12 mm	2.8 ~ 12 mm
Maximum Aperture		F/2.0	F/1.6	F/2.0	F/1.6	F/1.6
Mount		M12	Ø 12 mm	M12	Ø 14 mm	Ø 14 mm
Horizontal FOV		112°	107° ~ 29°	86°	31 ~ 96°	34 ~ 106°
Operation	Focus	Fixed	Auto / Manual	Fixed	Auto / Manual	Auto / Manual
	Zoom		4.3x optical zoom		4.3x optical zoom	4.3x optical zoom
	Iris		Fixed		Fixed	Fixed
IR LED Quantity		1 IR LED	2 IR LEDs	1 IR LED	3 IR LEDs	2 IR LEDs
Max. IR Distance		30 m (100 ft)	40 m (130 ft)	30 m (100 ft)	50 m (165 ft)	40 m (130 ft)
White LED Quantity		N/A	N/A	2 White LEDs	N/A	N/A
Max. White Light Distance		N/A	N/A	20 m (65 ft)	N/A	N/A
Video Resolution						
Main Stream		3840 x 2160 (Default), 3072 x 1728, 2560 x 1440, 1920 x 1080				
Sub Stream		1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288				
Third Stream (Closed by Default)		720 x 576, 704 x 288, 640 x 360, 352 x 288				
Network						
Interface		10/100 Ethernet				
Protocol		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)				
Mechanical						
Camera Angle Adjustment	Pan	0 ~ 360°				
	Tilt	0 ~ 90°	0 ~ 75°	0 ~ 90°	0 ~ 120°	0 ~ 68°
	Rotate	0 ~ 360°				
Connectors	Power	DC Jack, PoE				
	Ethernet	RJ-45				
	Audio	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)
Digital I/O	N/A		N/A			
Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card type is not supported.					
General						
Operating Temperature		-30 ~ 60°C (-22 ~ 140°F)				
Humidity		0 ~ 95% (no condensation)				
Power Source		12 V DC / PoE (IEEE802.3af)				
Max. Power Consumption		6.4 W	8.16 W	10.5 W	9.5 W	5.5 W
Regulatory		FCC, CE, RoHS compliant				
Dimensions		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")
Weight		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)
Ingress Protection		IP67				
Vandal Resistance		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
 - Specifications are subject to change without notice.