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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-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		1/1.7" progressive scan CMOS
Picture Elements	1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		2592 (H) x 1944 (V)		4000 (H) x 3000 (V)
Minimum Illumination	Color		0.005 Lux		0.03 Lux		0.1 Lux
	B/W		0.004 Lux		0.02 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		N/A
Dynamic Range	130 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		15 fps at 4000 x 3000 30 fps at 3840 x 2160
Audio Compression	G.711, AAC (optional)						
Audio Support	Two-way Audio (external 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	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal 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°	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
Mechanical							
Temperature Detector	Yes						
Connectors	Power	2-pin terminal block, PoE					
	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	12V DC / PoE (IEEE 802.3af)						12V DC / 24V AC / PoE (IEEE 802.3af)
Max. Power Consumption	4.16 W		12V DC, 4.23 W		12V DC, 4.37 W		6 W
Regulatory	CE, FCC, RCM, LVD, RoHS compliant						CE, FCC, RCM, RoHS compliant
Dimensions	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")						Without lens: 120 x 75.2 x 54 mm (4.72" x 2.96" x 2.13") With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")
Weight	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)	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, AAC (optional)
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 (98.4 ft)
Mechanical		
Camera Adjustment	Pan	0° ~ 330°
	Tilt	0° ~ 90°
	Rotate	No
Temperature Detector		Yes
Connectors	Power	PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector
	Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)
	Auto Iris	P-Iris
	Digital I/O	N/A
	Local Storage	N/A
LED Indicator		BNC connector (640 x 480 resolution)
TV-Out		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	
					
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		Automatic, 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		Triple streams			
Frame Rate		30 fps at 1920 x 1080		30 fps at 2048 x 1520	
Audio Compression		G.711, AAC (optional)			
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		Varifocal Lens		Motorized Varifocal Lens	
Focal Length		GV-BL2702-3V	2.8 ~ 12 mm	2.8 ~ 12 mm	
		GV-BL2702-4V	6 ~ 50 mm		
		GV-BL2702-5V	9 ~ 22 mm		
Maximum Aperture		GV-BL2702-3V	F/1.7	F/1.7	
		GV-BL2702-4V	F/1.6		
		GV-BL2702-5V	F/2.0		
Mount		Ø14 mm		Ø14 mm	
Image Format		1/2.7"		1/2.7"	
Horizontal FOV		GV-BL2702-3V	110° ~ 38°	102° ~ 38°	
		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	
	Iris	P-Iris			
IR LED Quantity		5 IR LEDs		5 IR LEDs	
Max. IR Distance		60 m (196.85 ft)		50 m (164.04 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, Ø1.1"			
	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)	
	Operation	-30 °C ~ 60 °C (-22 °F ~ 140 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)			
Max. Power Consumption		12.3 W		12.9 W	
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions		Ø 121.8 x 406 mm (4.79" x 15.98")		Ø128.64 x 406 mm (5.06" x 15.98")	
Weight		2.04 kg (4.50 lb)		2.44 kg (5.38 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	
	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		WDR Pro		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	
				20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520	
Audio Compression		G.711, AAC (optional)			
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		4 ~ 8 mm	
Maximum Aperture		F/1.2		F/1.4	
Mount		Ø14 mm			
Image Format		1/2.7"		1/1.8"	
Horizontal FOV		110° ~ 38°		90° ~ 35°	
				95° ~ 36°	
				90° ~ 48°	
Operation		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 (98.4 ft)			
Mechanical					
Camera		Pan		0° ~ 350°	
				-90° ~ 90°	
Angle		Tilt		0° ~ 75°	
				0° ~ 85°	
Adjustment		Rotate		0° ~ 340°	
				0° ~ 350°	
3-axis Mechanism		Yes			
Temperature Detector		Yes			
Connectors		2-pin terminal block, PoE			
		Ethernet (10/100 Base-T), RJ-45 connector			
		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, AAC (optional)	
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 (98.4 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).



Mini Fixed Dome Specifications




		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, AAC (optional)			
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 (65.6 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:

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).





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	2.7 ~ 12 mm
			GV-EBL4702-2F 3.8 mm	
			GV-EBL4702-3F 2.8 mm	
Maximum Aperture		F/1.7	GV-EBL4702-1F F/2.0	F/1.6
			GV-EBL4702-2F F/1.8	
			GV-EBL4702-3F F/2.0	
Mount		Ø14 mm	Ø12 mm	
Image Format		1/2.7"	1/2.7"	
Horizontal FOV		102° ~ 40°	GV-EBL4702-1F 51°	103° ~ 37°
			GV-EBL4702-2F 72°	
			GV-EBL4702-3F 96°	
Operation	Focus	Manual (w/lock)	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 (246.06 ft)		30 m (98.4 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		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")	
Weight		810 g (1.79 lb)	825 g (1.81 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 Series		GV-ABL4701 Series		GV-ABL4703		GV-ABL2702			
													
Camera													
Image Sensor		1/2.7" progressive scan low lux CMOS				1/3" progressive scan low lux CMOS				1/2.9" progressive scan low lux CMOS			
Picture Elements		1920 (H) x 1080 (V)						2592 (H) x 1520 (V)				1920 (H) x 1080 (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)			
	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		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		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			
Audio Support		N/A								Two-way Audio (external microphone and speaker required)			
Optical Lens													
Megapixel		Yes											
Day/Night		Yes (with removable IR-cut filter)											
Lens Type		Fixed								Varifocal			
Focal Length		4 mm / 6 mm	4 mm / 6 mm	4 mm / 6 mm	4 mm / 6 mm	4 mm / 6 mm	4 mm / 6 mm	4 mm	2.8 ~ 12 mm				
Maximum Aperture		4 mm / 6 mm	F/1.8	4 mm / 6 mm	F/2.0	4 mm / 6 mm	F/1.8	F/2.0	F/1.6				
Mount		M12								Ø14 mm			
Image Format		4 mm / 6 mm	1/2.7"	4 mm / 6 mm	1/2.7"	4 mm / 6 mm	1/3"	1/3"	1/2.9"				
Horizontal FOV		4 mm	90°	4 mm	86°	4 mm	78°	80°		92° ~ 34°			
		6 mm	55°	6 mm	55°	6 mm	49°						
Operation		Focus	Fixed								Manual (with lock)		
		Zoom	Fixed								Manual (with lock)		
		Iris									DC Iris		
IR LED Quantity		1 IR LED								3 IR LEDs			
Max. IR Distance		30 m (98.4 ft)								50 m (164 ft)			
Mechanical													
Camera Angle Adjustment		Pan	0° ~ 360°										
		Tilt	0° ~ 90°						0° ~ 120°				
		Rotate	0° ~ 360°										
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)		
		Digital I/O	N/A								4-pin terminal block, pitch 3.5 mm (0.14")		
		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			
Regulatory		FCC, UL, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, UL, CE, RoHS compliant		FCC, CE, RoHS compliant		FCC, UL, 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")								253.4 x 86 x 71.1 mm (9.98" x 3.4" x 2.8")			
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)			
Ingress Protection		IP66		IP67		IP66		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 3)

		GV-ABL4712	GV-TBL4710	GV-ABL8712	GV-TBL8710
					
Camera					
Image Sensor		1/3" progressive scan low lux CMOS		1/2" progressive scan super low lux CMOS	
Picture Elements		2592 (H) x 1520 (V)		3840 (H) x 2160 (V)	
Minimum Illumination	Color	0.005 Lux (F1.4, AGC ON)	0.01 Lux (F1.4, 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 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		20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1440 / 2560 x 1440	
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/1.5	
Mount		Ø14 mm			
Image Format		1/3"		1/2"	
Horizontal FOV		27° ~ 91°		114.8° ~ 47.3°	
Operation	Focus	Auto / Manual			
	Zoom	4.3x optical zoom			
	Iris	DC Iris			
IR LED Quantity		2 IR LEDs		3 IR LEDs	
Max. IR Distance		30 m (98.4 ft)		50 m (164 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)			
	Operation				
Humidity		0% ~ 95% (no condensation)			
Power Source		12 V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		9 W	10 W	9 W	10 W
Regulatory		FCC, UL, CE, RoHS compliant			
Dimensions (L X W X H)		253.4 × 86 × 71.1 mm (9.98" × 3.4" × 2.8")			
Weight		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, AAC (optional)				
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	Fixed				
	Zoom					
	Iris					
IR LED Quantity		12 IR LEDs				
Max. IR Distance		15 m (50 ft)		40 m (131 ft)		
Mechanical						
Camera Angle Adjustment	Pan	-45° ~ 45°				
	Tilt	0° ~ 63°				
Connectors	Power	2-pin terminal block, PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable				
	Audio	1 In (built-in microphone)				
	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		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 (131 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 Temperature	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-TDR2700	GV-TDR4700	GV-ADR4701	GV-ADR4702	
								
Camera								
Image Sensor		1/2.7" progressive scan low lux CMOS			1/3" progressive scan low lux CMOS			
Picture Elements		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)	0.001 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)	
	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)		
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	
Audio Compression		N/A		G.711, AAC (optional)		N/A		
Audio Support		N/A		Two-way Audio (external microphone and speaker required)		N/A		
Digital I/O	Input	N/A		1 Input, dry contact, NO / NC		N/A		
	Output	N/A		1 Relay Output (1A 30V DC / 0.3A 125V AC)		N/A		
Optical Lens								
Megapixel		Yes						
Day/Night		Yes (with removable IR-cut filter)						
Lens Type		Fixed						
Focal Length		2.8 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"			1/3"			
Horizontal FOV		105.2°	110°	111°	100°	101°		
Operation	Focus	Fixed						
	Zoom	Fixed						
	Iris	Fixed						
IR LED Quantity		1 IR LED						
Max. IR Distance		30 m (98.4 ft)						
Mechanical								
Camera Angle Adjustment	Pan	0° ~ 360°						
	Tilt	0° ~ 68°	N/A		0° ~ 75°	0° ~ 68°	0° ~ 75°	
	Rotate	N/A		0° ~ 360°		N/A		
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		
	Local Storage	N/A		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		N/A		
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)		
Humidity		0% ~ 95% (no condensation)					0% ~ 90% (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		
Regulatory		FCC, CE, RoHS, UL compliant		FCC, CE, RoHS compliant		FCC, CE, RoHS, UL 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)		
Ingress Protection		IP66		IP67		IP66		
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 7)

		GV-EBD2702	GV-EBD4700	GV-EBD8700	GV-EBD4711	GV-EBD8711
						
Camera						
Image Sensor		1/2.7" progressive scan low lux CMOS	1/3" progressive scan low lux CMOS	1/2.5" progressive scan low lux CMOS	1/3" progressive scan 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)	2592 (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)		0.005 Lux (F1.4, 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)	Auto / Manual (1/6 ~ 1/8000 sec)	Auto / Manual (1/6 ~ 1/100000 sec)		
White Balance		Auto / Manual				
Gain Control		Auto / Manual				
S/N Ratio		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	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	20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440
Audio Compression		N/A			G.711, AAC (optional)	
Audio Support		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/1.5
Mount		M12				
Image Format		1/2.7"	1/3"	1/2.5"	1/3"	1/2"
Horizontal FOV		109.9°	100°	106°	91.0°~27.0°	114.8° ~ 47.3°
Operation	Focus	Fixed			Auto / Manual	
	Zoom	Fixed			4.4x Optical Zoom	4.3x Optical Zoom
	Iris	DC Iris				
IR LED Quantity		1 IR LED			2 IR LEDs	
Max. IR Distance		30 m (98.4 ft)				
Mechanical						
Camera Angle Adjustment	Pan	0° ~ 360°				
	Tilt	0° ~ 90°			0° ~ 75°	
	Rotate	0° ~ 360°				
3-axis Mechanism						
Connectors	Power	DC Jack, PoE				
	Ethernet	RJ-45 connector (10/100 Base-T)				
	Audio	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.	
LED Indicator		N/A				
Temperature Detector		N/A				
General						
Environment Temperature	Start-up Operation	-35°C ~ 60°C (-31°F ~ 140°F)			-40°C ~ 60°C (-40°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, UL compliant		CE, FCC, RoHS compliant		CE, FCC, RoHS, UL 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, AAC (optional)
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 (164.04 ft)
Mechanical		
Camera	Pan	0° ~ 350°
Angle	Tilt	0° ~ 75°
Adjustment	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)
Temperature	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, AAC (optional)		
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 (164.04 ft)		30 m (98.4 ft)
Mechanical				
Camera Angle	Pan	0° ~ 350°		
	Tilt	0° ~ 75°		
Adjustment	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-AVD4710	GV-TVD4710	GV-AVD8710	GV-TVD8710
						
Camera						
Image Sensor		1/2.9" progressive scan low lux CMOS		1/3" progressive scan 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	0.001 Lux (F1.6, AGC ON)		0.005 Lux (F1.4, AGC ON)		0.02 Lux (F1.4, AGC ON)
	B/W			N/A		0.003 Lux (F1.5, AGC ON)
	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		55 dB		56dB
WDR Pro (with WDR sensor)		Yes				
Dynamic Range		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		20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440
Audio Compression		G.711, AAC (optional)				
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		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		1/2.9"		1/3"		1/2"
Horizontal FOV		108° ~ 30°		91° ~ 27°		114.8° ~ 47.3°
Operation	Focus	Manual (with lock)		Auto / Manual		
	Zoom	Manual (with lock)		4.3x Optical Zoom		
	Iris	DC Iris				
IR LED Quantity		2 IR LEDs				
Max. IR Distance		30 m (98.4 ft)				
Mechanical						
Camera Angle Adjustment	Pan	0° ~ 360°				
	Tilt	0° ~ 80°				
	Rotate	0° ~ 360°				
3-axis Mechanism		Yes				
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)				
	TV-Out	BNC connector (640 x 480 resolution)				
	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.				
LED Indicator		N/A				
Temperature Detector		N/A				
General						
Environment Temperature	Start-up	-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			8 W	
Regulatory		CE, FCC, RoHS, UL compliant		CE, FCC, RoHS compliant		CE, FCC, RoHS, UL compliant
Dimensions (L X W X H)		Ø 148 x 111.3 mm (5.8" x 4.4")				
Weight		0.75 kg (1.7 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).





Target Series Specifications (Part 11)

		GV-EFER3700 (Outdoor)	GV-EFER3700-W (Outdoor)
			
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, AAC (Optional)	
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 (65.61 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-UNFE2503 (Outdoor)	
					
Camera					
Image Sensor		1/2.5" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	
Picture Elements		2592 (H) x 1944 (V)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.03 Lux	0.1 Lux	0.02 Lux	
	B/W	0.02 Lux	0.05 Lux		
	IR ON	0 Lux			
Shutter Speed		Automatic, Manual (1/30 ~ 1/16000 sec.)		Automatic, Manual (1/5 ~ 1/8000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		50 dB		52 dB	
WDR Pro (with WDR Sensor)		Yes		N/A	
Dynamic Range		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 2592 x 1944	15 fps at 4000 x 3000 25 fps at 2896 x 2768	30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)			
Audio Support		Two-way Audio (external speaker required)		One-way Audio	
Sensor Input		1 input (Dry Contact)		N/A	
Alarm Output		1 Digital Output (200 mA 5V DC)		N/A	
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Focal Length		1.05 mm	1.83 mm	1.19 mm	
Maximum Aperture		F/2.8	F/2.4	F/2.0	
Mount			M12		
Image Format		1/2.5"	1/1.7"	1/2.3"	
Horizontal FOV			180°		
Operation	Focus				
	Iris				
	Zoom	Fixed			
IR LED Quantity		6 IR LEDs		8 IR LEDs	
Max. IR Distance		30 m (98.43 ft)		10 m (32.81 ft)	
Mechanical					
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector	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 microphone)	
	Digital I/O	3-pin terminal block, pitch 2.5 mm/0.1"		N/A	
	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, SD version 2.0 only, Class 10) *UHS-I/SDXC card type is not supported.	
	USB	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)	-5 °C ~50 °C (23 °F ~ 122 °F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE+ (IEEE 802.3at)	12V DC / 24V AC / PoE+ (IEEE 802.3at)	PoE (IEEE 802.3af)	
Max. Power Consumption		15 W	28 W	7.7 W	
Regulatory		CE, FCC, LVD, RoHS compliant	CE, FCC, RCM, LVD, RoHS compliant	CE, FCC, RCM, RoHS compliant	
Dimensions		Ø 160.6 x 59.1 mm (6.32" x 2.33")		Body	78.5 x 47.36 x 32.5 mm
				Lens	Ø 80.35 x 115.12 mm
Weight		700 g (1.54 lb)		480 g (1.06 lb)	
Ingress Protection		IP67		IP67	
Vandal Resistance		IK10+ for metal casing		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).



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, AAC (optional)			
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		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)
			
Image Sensor		1/1.8 Progressive scan super 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)
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	
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)	
White Balance		Auto / Manual	
AGC Control		Auto / Manual	
S/N Ratio		52 dB	55 dB
Optical Zoom		22x	33x
Digital Zoom		Unlimited	
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	
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
Audio Compression		G.711, AAC (optional)	
Audio Support		Two-way Audio (external microphone and speaker required)	
Sensor Input		2 Inputs, dry contact, NO / NC	
Alarm Output		1 Relay Output (1A 30V DC / 0.3A 125V AC)	
Pan Travel		360° endless	
Tilt Travel		-15° ~ 90°	
Movement Speed		0.1° ~ 240°/s	
Presets		255	
Preset Accuracy		0.1°	
Auto Pan		Yes	
Sequence	Max Number		
	Max Presets Allowed	N/A	
Cruise			
Tour			
Patrol	Max Number	16	
	Max Actions Allowed	32	
Privacy Mask		24	
Optical Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR Cut Filter)	
Focal Length		6.5 ~ 143 mm	4.5 ~ 148.5 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	
Max. IR Distance		200 m (656ft)	150 m (492 ft)
Mechanical			
Temperature Detector		N/A	
Connectors	Power	3-pin terminal block (DC 24 V, AC 24 V, 2.5 A)	
	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)	
	Digital I/O	I/O Wires	
	Local Storage	Micro SD card slot (SDHC/SDXC, Class 10) *UHS-I/UHS-II card types are not supported	
TV-Out	BNC connector		
General			
Environment Temperature		-40°C ~ 70°C (-40°F ~ 158°F)	
Humidity		20% ~ 90% (no condensation)	
Power Source		24 V AC / 24 V DC	
Max. Power Consumption		52.5 W	
Regulatory		CE, FCC, RoHS, UL compliant	
Dimensions		Ø 227 x 359.4 mm (8.94" x 14.15")	
Weight		5.4 kg (11.9 lb)	
Ingress Protection		IP 66	
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).




Pinhole Camera Specifications

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

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




Panoramic PTZ IP Camera

		GV-PPTZ7300	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	FE: 0.15 Lux; SD: 0.5 Lux	FE: 0.1 Lux; SD: 0.5 Lux	
	B/W	FE: 0.15 Lux; SD: 0.1 Lux	FE: 0.05 Lux; SD: 0.1 Lux	
Shutter Speed		FE: Automatic, Manual (1/5 ~ 1/8000 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, AAC (optional)		
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)		
Humidity		20% to 90% (no condensation)		
Power Source		DC 24V / AC 24V / High PoE (PoE++, 40 W)		
Max. Power Consumption		40 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		

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	
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 (32 ft)	
Video Resolution		
Main Stream	3840 x 2160 (Default), 2560 x 1440, 1920 x 1080, 1280 x 720	
Sub Stream	16:9	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 Temperature	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)
		
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)		N/A
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, AAC (optional)
Audio Support		One-way Audio
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Output (200mA 5V DC)
Optical Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		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	Manual (w/lock)	Manual (w/lock)
	Manual (w/lock)	Manual (w/lock)
	P-Iris	P-Iris
IR LED Quantity		20 IR LEDs
Max. IR Distance		40 m (131.23 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 (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")
Weight		1.2 g (2.64 lb)
Ingress Protection		IP66
Vandal Resistance		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).



Face Detection IP Camera

		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 low lux CMOS	1/2" progressive scan 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	
	IR ON	0 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		GV.711, AAC (optional)				
Sensor Input		1 Input (Dry Contact)				
Alarm Output		1 Digital Output (200mA 5V DC)				
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			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 (98.42 ft)	
Face Detection						
Environment		D65 at 600 lux				
Detection face angle	Tilt (Up/Down)	± 30				
	Swing (Left/Right)	± 60				
Max. No of Faces		Up to 16		Up to 32		
Min. Face Photo 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')				
	Auto Iris	Yes (with varifocal lens)			Yes (with motorized varifocal 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	Startup	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		12V DC: 4.2 W PoE: 4.9 W		12V DC: 4.5 W PoE: 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		350 g (0.77 lb)		320 g (0.7 lb)	500 g (1.10 lb)	



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).