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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	GV-BX2700-3V	GV-BX4700-8F	GV-BX4700-3V	GV-BX5700-8F	GV-BX5700-3V		
		Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	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 (5V DC, 200 mA)							
Optical Lens									
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	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		4.9 W				4.37 W		6 W	6 W
Certification		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:
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. 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		
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°
	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
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator		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
Certification		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: 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 (5V DC, 200 mA)		
Optical Lens				
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)		12V DC / PoE+ (IEEE 802.3at)
Max. Power Consumption		12.3 W	12.9 W	18 W
Certification		CE, FCC, RCM, RoHS compliant		CE, FCC, LVD, RoHS compliant
Dimensions		ø 121.8 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: 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		1/1.8" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	2592 (H) x 1520 (V)		2592 (H) x 1944 (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 (5V DC, 200mA)			
Optical Lens					
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	
Certification		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:

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. 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
Minimum Illumination — B/W	0.004 Lux	0.02 Lux
Minimum Illumination — 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 (5V DC, 200mA)	
Optical Lens		
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)	
Operation — Zoom	Manual (w/lock)	
Operation — Iris	P-Iris	
IR LED Quantity	4 IR LEDs	
Max. IR Distance	30 m (100 ft)	
Mechanical		
Camera Angle Adjustment — Pan	0° ~ 350°	
Camera Angle Adjustment — Tilt	0° ~ 75°	
Camera Angle Adjustment — Rotate	0° ~ 340°	
3-axis Mechanism	Yes	
Temperature Detector	Yes	
Connectors — Power	2-pin terminal block, PoE	
Connectors — Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
Connectors — Audio	1 In (3.5 mm microphone jack), 1 Out (3.5 mm stereo jack)	
Connectors — Digital I/O	I/O wires	
Connectors — Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
Connectors — 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)	
Environment Temperature — 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	
Certification	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:
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. 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 (5V DC, 200 mA)		
Optical Lens			
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, 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	12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption	9.5 W		
Certification	CE, FCC, LVD, RoHS compliant		
Dimensions	ø125 x 99.5 mm (ø 4.92" x 3.92")		
Weight	500 g (1.10 lb)		

Note: 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			
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					
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	2-pin terminal block, PoE			
	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	
Certification		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: 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
Audio Compression		G.711
Audio Support		Two-way Audio (external speaker required)
Optical Lens		
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
Pigtail-Free		Yes
Connectors	Power	2-pin terminal block, 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		12V DC / PoE (IEEE802.3af)
Max. Power Consumption		5.5 W
Certification		FCC, CE, RoHS, UL compliant
Dimensions		Ø 108.6 x 61.8mm (Ø4.28" x 2.43")
Weight		0.22 kg (0.49 lb)

Note: 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					
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		Ø14 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)	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
Certification		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: 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
Camera						
Image Sensor		1/2.7" progressive scan low lux CMOS		1/2.7" progressive scan low lux CMOS		1/2.7" progressive scan low lux CMOS
Picture Elements		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.01 Lux (F1.8, AGC ON)		0.02 Lux (F2.0, AGC ON)		
	B/W	N/A		N/A		N/A
	IR ON	0 Lux		0 Lux		0 Lux
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)		Auto / Manual (1/6 ~ 1/100000 sec)		Auto / Manual (1/6 ~ 1/100000 sec)
White Balance		Auto / Manual		Auto / Manual		Auto / Manual
Gain Control		Auto / Manual		Auto / Manual		Auto / Manual
S/N Ratio		52 dB		52 dB		52 dB
WDR		Yes		Yes		Yes
Dynamic Range		Up to 72 dB		Up to 72 dB		Up to 72 dB
Operation						
Video Compression		H.265, H.264, MJPEG		H.265, H.264, MJPEG		H.265, H.264, MJPEG
Video Streaming		Triple streams		Triple streams		Triple streams
Frame Rate		25 fps at 1920 x 1080		30 fps at 1920 x 1080		30 fps at 1920 x 1080
Audio Compression		N/A		N/A		N/A
Audio Support		N/A		N/A		N/A
Optical Lens						
Day/Night		Yes (with removable IR-cut filter)		Yes (with removable IR-cut filter)		Yes (with removable IR-cut filter)
Lens Type		Fixed		Fixed		Fixed
Focal Length		0F / 1F	4 mm / 6 mm	0F / 1F	4 mm / 6 mm	
Maximum Aperture		0F / 1F	F/1.8	0F / 1F	F/2.0	
Mount		M12		M12		M12
Image Format		0F / 1F	1/2.7"	0F / 1F	1/2.7"	
Horizontal FOV		0F	90°	0F	86°	
		1F	55°	1F	55°	
Operation	Focus	Fixed		Fixed		Fixed
	Zoom					
	Iris					
IR LED Quantity		1 IR LED		1 IR LED		1 IR LED
Max. IR Distance		30 m (100 ft)		30 m (100 ft)		30 m (100 ft)
Mechanical						
Camera Angle Adjustment	Pan	0° ~ 360°		0° ~ 360°		0° ~ 360°
	Tilt	0° ~ 90°		0° ~ 90°		0° ~ 90°
	Rotate	0° ~ 360°		0° ~ 360°		0° ~ 360°
Connectors	Power	DC Jack, PoE		DC Jack, PoE		DC Jack, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable		Ethernet (10/100 Base-T), RJ-45 cable		Ethernet (10/100 Base-T), RJ-45 cable
	Audio	N/A		N/A		N/A
	Digital I/O	N/A		N/A		N/A
	Local Storage	N/A		N/A		N/A
	TV Out	N/A		N/A		N/A
General						
Environment Temperature	Startup	-30°C ~ 60°C (-22°F ~ 140°F)		-30°C ~ 60°C (-22°F ~ 140°F)		-30°C ~ 60°C (-22°F ~ 140°F)
	Operation					
Humidity		0% ~ 95% (no condensation)		10% ~ 90% (no condensation)		
Power Source		12V DC / PoE (IEEE 802.3af)		12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption		5 W		4.5 W		
Certification		FCC, CE, RoHS compliant				FCC, CE, RoHS, UL compliant
Dimensions (L X W X H)		162.9 × 62.4 × 62.7 mm (6.4" × 2.5" × 2.5")		162.9 × 62.4 × 62.7 mm (6.4" × 2.5" × 2.5")		
Weight		0.25 kg (0.55 lb)		0.37 kg (0.81 lb)		
Ingress Protection		IP66		IP67		
Vandal Resistance		N/A		N/A		

Note: 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-TBL2705	GV-TBL2706	GV-ABL2702	GV-TBL2718
		![camera]	![camera]	![camera]	![camera]
Camera					
Image Sensor		1/2.7" progressive scan low lux CMOS	1/2.7" progressive scan CMOS	1/2.8" progressive scan low lux CMOS	1/2.7" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.01 Lux (F2.0, AGC ON)	0.01 Lux (F2.0, AGC ON)	0.002 Lux (F1.6, AGC ON)	0.003 Lux (F1.6, AGC ON)
	B/W	N/A	N/A	N/A	N/A
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1 ~ 1/100,000 sec)	Auto / Manual (1 ~ 1/100,000 sec)	Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100,000 sec)
White Balance		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Gain Control		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
S/N Ratio		52 dB	52 dB	52 dB	52 dB
WDR		Yes	Yes	WDR Pro	WDR Pro
Dynamic Range		Up to 120 dB	Up to 120 dB	Up to 120 dB	Up to 120 dB
Operation					
Video Compression		H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Video Streaming		Dual streams	Dual streams	Triple streams	Dual streams
Frame Rate		30 fps at 1920 x 1080	30 fps at 1920 x 1080	30 fps at 1920 x 1080	30 fps at 1920 x 1080
Audio Compression		G.711	G.711	G.711	G.711
Audio Support		One-way Audio	One-way Audio	Two-way Audio (external microphone and speaker required)	One-way Audio
Optical Lens					
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)
Lens Type		Fixed	2F / 4F — Fixed	Varifocal	Motorized Varifocal
Focal Length		4 mm	2F: 2.8 mm / 4F: 4 mm	2.8 ~ 12 mm	2.8 ~ 12 mm
Maximum Aperture		F/2.0	2F / 4F — F/2.0	F/1.6	F/1.6
Mount		M12	Ø 12 mm	Ø 14 mm	Ø 12 mm
Image Format		1/2.7"	1/2.7"	1/2.8"	1/2.7"
Horizontal FOV		91.2°	2F: 112.9° / 4F: 91.2°	92 ° ~ 34°	103.6 ~ 33.4°
Operation	Focus	Fixed	Fixed	Manual (with lock)	Auto / Manual
	Zoom			Manual (with lock)	4.3x Optical Zoom
	Iris			Fixed	Fixed
IR LED Quantity		1 IR LED	I IR LED	3 IR LEDs	3 IR LEDs
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	50 m (165 ft)	50 m (165 ft)
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 90°	0° ~ 90°	0° ~ 120°	0° ~ 90°
	Rotate	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (built-in microphone)	1 In (built-in microphone)	1 In (Audio In Wire) / 1 Out (Audio Out Wire)	1 In (built-in microphone)
	Digital I/O	N/A	N/A	4-pin terminal block, pitch 3.5 mm (0.14")	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/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.	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.
	TV Out	N/A	N/A	N/A	
General					
Environment Temperature	Startup	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-35°C ~ 60°C (-31°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
	Operation				
Humidity		10% ~ 90% (no condensation)	0% ~ 95% (no condensation)	0% ~ 95% (no condensation)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)	1.24A 12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)	12V DC, 1.25A / PoE (IEEE 802.3af)
Max. Power Consumption		6.0 W	7.0 W	9 W	9.6 W
Certification		FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant
Dimensions (L X W X H)		162 × 69 × 69 mm (6.4" × 2.7" × 2.7")	161.9 × 68.7 × 68.5 mm (6.4" × 2.7" × 2.7")	244 × 96 × 74 mm (9.6" × 3.8" × 2.9")	206 × 73 × 73 mm (8.1" × 2.9" × 2.9")
Weight		0.45 kg (0.99 lb)	0.39 kg (0.86 lb)	0.58 kg (1.28 lb)	0.51 kg (1.12 lb)
Ingress Protection		IP67	IP67	IP67	IP67
Vandal Resistance		N/A	N/A	IK10 for metal casing	N/A

Note: 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).

July 11, 2024

Target Series Specifications (Part 4)

		GV-ABL4701 Series	GV-ABL4703	GV-TBL4703	GV-TBL4705	GV-TBL4700
Camera						
Image Sensor		1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements		2592 (H) x 1520 (V)	2592 (H) x 1520 (V)	2592 (H) x 1520 (V)	2688 (H) x 1520 (V)	2592 (H) x 1520 (V)
Minimum Illumination	Color	0.02 Lux (F1.8, AGC ON)	0.03 Lux (F2.0, AGC ON)		0.003 Lux (F1.6, AGC ON)	0.01 Lux (F1.6, AGC ON)
	B/W	N/A	N/A	N/A	N/A	N/A
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1/25 ~ 1/100000 sec)
White Balance		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Gain Control		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
S/N Ratio		52 dB	52 dB	52 dB	56 dB	52 dB
WDR		Yes	Yes	Yes	Yes	Yes
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 72 dB	Up to 120 dB	Up to 72 dB
Operation						
Video Compression		H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Video Streaming		Triple streams	Triple streams	Triple streams	Dual streams	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 2592 x 1520	20 fps at 2592 x 1520	30 fps at 2688 x 1520	20 fps at 2592 x 1520
Audio Compression		N/A	N/A	N/A	N/A	N/A
Audio Support		N/A	N/A	N/A	N/A	N/A
Optical Lens						
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)	Yes (with removable IR-cut filter)
Lens Type		Fixed	Fixed	Fixed	Fixed	Varifocal
Focal Length	0F / 1F	4 mm / 6 mm	4 mm	4 mm	4 mm	2.8 ~ 12 mm
Maximum Aperture	0F / 1F	F/1.8	F/2.0	F/2.0	F/1.6	F/1.6
Mount		M12	M12	M12	M12	Ø14 mm
Image Format	0F / 1F	1/3"	1/3"	1/3"	1/3"	1/2.8"
Horizontal FOV	0F	78°	80°	80°	83.7°	96° ~ 32°
	1F	49°				
Operation	Focus	Fixed	Fixed	Fixed	Fixed	Manual (with lock)
	Zoom					Manual (with lock)
	Iris					Fixed
IR LED Quantity		1 IR LED	1 IR LED	1 IR LED	2 IR LED	2 IR LEDs
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	30 m (100 ft)	50 m (165 ft)	30 m (100 ft)
Mechanical						
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 90°	0° ~ 90°	0° ~ 90°	0° ~ 90°	0° ~ 120°
	Rotate	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	N/A	N/A	N/A	N/A	N/A
	Digital I/O	N/A	N/A	N/A	N/A	N/A
	Local Storage	N/A	N/A	N/A	N/A	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.
	TV Out	N/A	N/A	N/A	N/A	N/A
General						
Environment Temperature	Startup	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-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)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)		12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		5.5 W	4 W		6 W	7 W
Certification		FCC, CE, RoHS, UL compliant	FCC, CE, RoHS compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant
Dimensions (L X W X H)		162.9 × 62.4 × 62.7 mm (6.4" × 2.5" × 2.5")	162.9 × 62.4 × 62.7 mm (6.4" × 2.5" × 2.5")		162 × 69 × 69 mm (6.4" × 2.7" × 2.7")	244 × 96 × 74 mm (9.6" × 3.8" × 2.9")
Weight		0.25 kg (0.55 lb)	0.37 kg (0.81 lb)		0.45 kg (0.99 lb)	1 kg (2.2 lb)
Ingress Protection		IP66	IP67		IP67	IP67
Vandal Resistance		N/A	N/A		N/A	IK10 for metal casing

Note: 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).

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Target Series Specifications (Part 5)

		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 x1296		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							
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		12V DC / PoE (IEEE 802.3af)					
Max. Power Consumption		9 W	10 W	9.5 W		9 W	10 W
Certification		FCC, CE, RoHS, UL compliant	FCC, CE, RoHS compliant	FCC, CE, RoHS, UL compliant		FCC, CE, RoHS compliant	FCC, CE, RoHS, UL compliant
Dimensions (L X W X H)		244 × 96 × 74 mm (9.6" × 3.8" × 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: 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-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	
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			
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 (130 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	
Certification		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: 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-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			
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 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	
Certification		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: 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-ADR2701	GV-ADR2702
Camera			
Image Sensor		1/2.7" progressive scan low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.01 Lux (F1.8, AGC ON)	0.02 Lux (F2.0, 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	
Dynamic Range		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
Audio Compression		N/A	
Audio Support		N/A	
Digital I/O	Input	N/A	
	Output		
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	
Focal Length		2.8 mm	0F 2.8 mm 1F 4.0 mm
Maximum Aperture		F/1.8	F/2.0
Mount		M12	
Image Format		1/2.7"	
Horizontal FOV		105.2°	0F 110° 1F 83°
Operation	Focus	Fixed	
	Zoom		
	Iris		
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°
	Rotate	N/A	
Connectors	Power	DC Jack, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	
	Audio	N/A	
	Local Storage	N/A	
LED Indicator		N/A	
General			
Environment Temperature		-30°C ~ 60°C (-22°F ~ 140°F)	
Humidity		0% ~ 95% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption		5 W	4.5 W
Certification		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)	
Ingress Protection		IP66	IP67
Vandal Resistance		N/A	IK10 for metal casing

Note: 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-TDR2702	GV-TDR2700	GV-TDR2704	GV-TDR2705
Camera					
Image Sensor		1/2.7" progressive scan low lux CMOS	1/2.8" progressive scan low lux CMOS	1/2.7" progressive scan low lux CMOS	1/2.7" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.02 Lux (F2.0, AGC ON)	0.001 Lux (F1.6, AGC ON)	0.01 Lux (F2.0, AGC ON)	0.01 Lux (F2.0, AGC ON)
	B/W	N/A	N/A	N/A	N/A
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)
White Balance		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Gain Control		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
S/N Ratio		52 dB	52 dB	52 dB	52 dB
WDR		Yes	WDR Pro	WDR Pro	WDR Pro
Dynamic Range		Up to 72 dB	Up to 120 dB	Up to 120 dB	Up to 120 dB
Operation					
Video Compression		H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Video Streaming		Triple streams	Triple streams	Dual streams	Dual streams
Frame Rate		30 fps at 1920 x 1080	30 fps at 1920 x 1080	30 fps at 1920 x 1080	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	One-way audio
Digital I/O	Input	N/A	1 Input, dry contact, NO / NC	N/A	N/A
	Output		1 Relay Output (1A 30V DC / 0.3A 125V AC)	N/A	N/A
Optical Lens					
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)
Lens Type		Fixed	Fixed	Fixed	Fixed
Focal Length		0F 2.8 mm / 1F 4.0 mm	0F 2.8 mm / 1F 4.0 mm	2F 2.8 mm / 4F 4.0 mm	2.8 mm
Maximum Aperture		F/1.6	F/2.0	F/2.0	F/2.0
Mount		M12	M12	M12	Ø 12 mm
Image Format		1/2.7"	1/2.8"	1/2.7"	1/2.7"
Horizontal FOV		0F 110° / 1F 83°	0F 111° / 1F 81°	2F 113° / 4F 91°	112.9°
Operation	Focus	Fixed	Fixed	Fixed	Fixed
	Zoom				
	Iris				
IR LED Quantity		1 IR LED	1 IR LED	1 IR LED	1 IR LED
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	30 m (100 ft)	30 m (100 ft)
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°	0° ~ 360°	3° ~ 360°
	Tilt	0° ~ 75°	0° ~ 75°	0° ~ 68°	0° ~ 68°
	Rotate	N/A	0° ~ 360°	0° ~ 360°	3° ~ 360°
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	Ethernet (10/100 Base-T), RJ-45 cable	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 (built-in microphone)
	Local Storage	N/A	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.	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card type is not supported.
LED Indicator		N/A	N/A	N/A	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)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)
Humidity		0% ~ 95% (no condensation)	0% ~ 95% (no condensation)	10% ~ 90% (no condensation)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE802.3af)	1.25A 12V DC / PoE (IEEE802.3af)
Max. Power Consumption		4.5 W	4 W	5.0 W	5.0 W
Certification		FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant
Dimensions (L X W X H)		Ø 109 x 81 mm (Ø 4.3" x 3.2")	Ø 109 x 81 mm (Ø 4.3" x 3.2")	Ø 108.7 x 81.1 mm (Ø 4.3" x 3.2")	Ø 109 x 83 mm (Ø 4.3" x 3.3")
Weight		0.3 kg (0.66 lb)	0.45 kg (0.99 lb)	0.36 kg (0.79 lb)	0.36 kg (0.79 lb)
Ingress Protection		IP67	IP67	IP67	IP67
Vandal Resistance		IK10 for metal casing	IK10 for metal casing	IK10 for metal casing	IK10 for metal casing

Note: 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-TDR4700	GV-ADR4701	GV-ADR4702	GV-TDR4702	GV-TDR4703	GV-TDR4704
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS					
Picture Elements		2592(H) x 1520 (V)				2688 (H) x 1520 (V)	2688 (H) x 1520 (V)
Minimum Illumination	Color	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)	0.003 lux (F1.6, AGC ON)
	B/W	N/A					N/A
	IR ON	0 Lux					0 Lux
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1/6 ~ 1/100000 sec)			Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)
White Balance		Auto / Manual					Auto / Manual
Gain Control		Auto / Manual					Auto / Manual
S/N Ratio		52 dB				56 dB	56 dB
WDR		WDR Pro	Yes			WDR Pro	WDR Pro
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					Up to 120 dB
Video Streaming		Triple streams					Dual streams
Frame Rate		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	30 fps at 2688 x 1520
Audio Compression		G.711	N/A			G.711	N/A
Audio Support		Two-way Audio (external microphone and speaker required)	N/A			Two-way Audio (external microphone and speaker required)	N/A
Digital I/O	Input	1 Input, dry contact, NO / NC	N/A			1 Input, dry contact, NO / NC	N/A
	Output	1 Relay Output (1A 30V DC / 0.3A 125V AC)				1 Relay Output (1A 30V DC / 0.3A 125V AC)	N/A
Optical Lens							
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Fixed					Fixed
Focal Length	0F	2.8 mm	2.8 mm	0F	2.8 mm	2F	2.8 mm
	1F	3.6 mm		1F	4.0 mm	4F	4.0 mm
Maximum Aperture		F2.0	F/1.8	F/2.0			F/1.6
Mount		M12					M12
Image Format		1/3"					1/3"
Horizontal FOV	0F	100°	101°	0F	101°	2F	95°	2F	101°
	1F	78°		1F	76°	4F	82°	4F	83.7°
Operation	Focus	Fixed					
	Zoom						
	Iris						
IR LED Quantity		1 IR LED					1 IR LED
Max. IR Distance		30 m (100 ft)					30 m (100 ft)
Mechanical							
Camera Angle Adjustment	Pan	0° ~ 360°					3° ~ 360°
	Tilt	0° ~ 75°	0° ~ 68°	0° ~ 75°		0° ~ 90°	0° ~68°
	Rotate	0° ~ 360°	N/A			0° ~ 360°	3° ~ 360°
Connectors	Power	DC Jack, PoE					DC Jack, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable					
	Audio	2 In (Audio In Wire) 1 Out (Audio Out Wire)	N/A			1 In (Audio In Wire) 1 Out (Audio Out Wire)	N/A
	Local Storage	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					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)		0% ~ 95% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)					
Max. Power Consumption		5 W		4.5 W		5.5 W	
Certification		FCC, CE, RoHS, UL compliant	FCC, CE, RoHS compliant	FCC, CE, RoHS, UL compliant	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")					Ø 108.7 x 81.1 mm (Ø4.3" x 3.2")
Weight		0.3 kg (0.66 lb)				0.45 kg (0.99 lb)	0.35 kg (0.77 lb)
Ingress Protection		IP66		IP67			
Vandal Resistance		IK10 for metal casing					

Note: 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-EBD2702	GV-EBD2704	GV-EBD2705
Camera				
Image Sensor		1/2.7" progressive scan low lux CMOS	1/2.7" progressive scan low lux CMOS	1/2.7" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.005 Lux (F1.6, AGC ON)	0.01 Lux (F2.0, AGC ON)	0.01 Lux (F2.0, AGC ON)
	B/W	N/A	N/A	N/A
	IR ON	0 Lux	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 s)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100000 sec)
White Balance		Auto / Manual	Auto / Manual	Auto / Manual
Gain Control		Auto / Manual	Auto / Manual	Auto / Manual
S/N Ratio		52 dB	52 dB	52 dB
WDR		Yes	Yes	Yes
Dynamic Range		Up to 72 dB	Up to 120 dB	Up to 120 dB
Operation				
Video Compression		H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Video Streaming		Triple streams	Dual streams	Dual streams
Frame Rate		30 fps at 1920 x 1080	30 fps at 1920 x 1080	30 fps at 1920 x 1080
Audio Compression		N/A	G.711	G.711
Audio Support		N/A	One-way Audio	One-way Audio
Optical Lens				
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Lens Type		Fixed	Fixed	Fixed
Focal Length		2.8 mm	2.8 mm	2.8 mm
Maximum Aperture		F/1.4	F/2.0	F/2.0
Mount		M12	M12	Ø 12 mm
Image Format		1/2.7"	1/2.7"	1/2.7"
Horizontal FOV		109.9°	113°	112.9°
Operation	Focus			
	Zoom	Fixed	Fixed	Fixed
	Iris			
IR LED Quantity		1 IR LED	1 IR LED	1 IR LED
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	30 m (100 ft)
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 90°	0° ~ 90°	0° ~ 80°
	Rotate	0° ~ 360°	0° ~ 360°	0° ~ 360°
3-axis Mechanism		Yes	Yes	Yes
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)
	Audio	N/A	1 In (built-in microphone)	1 In (built-in microphone)
	TV-Out	N/A	N/A	N/A
	Local Storage	N/A	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.
LED Indicator		N/A	N/A	N/A
Temperature Detector				
General				
Environment Temperature	Start-up	-35°C ~ 60°C (-31°F ~ 140°F)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)
	Operation			
Humidity		0% ~ 95% (no condensation)	10% ~ 90% (no condensation)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE802.3af)	1.25A 12V DC / PoE (IEEE802.3af)
Max. Power Consumption		5.5 W	7.0 W	7.0 W
Certification		CE, FCC, RoHS compliant	FCC, CE, RoHS, UL compliant	FCC, CE, RoHS, UL compliant
Dimensions (L X W X H)		Ø 126 x 94 mm (Ø 5.0" x 3.7")	Ø 126 x 94 mm (Ø 5.0" x 3.7")	Ø 126 x 92.7 mm (Ø 5.0" x 3.6")
Weight		0.33 kg (0.73 lb)	0.45 kg (0.99 lb)	0.45 kg (0.99 lb)
Ingress Protection		IP67	IP67	IP67
Vandal Resistance		N/A	N/A	N/A

Note: 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 12)

		GV-EBD4700	GV-EBD4701	GV-EBD4704	GV-EBD4711	GV-EBD4712
Camera						
Image Sensor		1/3" progressive scan super low lux CMOS			1/3" progressive scan super low lux CMOS	
Picture Elements		2592 (H) x 1520 (V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	2592 (H) x 1520 (V)	2688 (H) x 1520 (V)
Minimum Illumination	Color	0.02 Lux (F2.0, AGC ON)	0.01 Lux (F2.0, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.005 Lux (F1.4, AGC ON)	0.003 Lux (F1.6, AGC ON)
	B/W	N/A	N/A	N/A	N/A	N/A
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1/6 ~ 1/8000 s)	Auto / Manual (1/6 ~ 1/100000 s)	Auto / Manual (1 ~ 1/100000 s)	Auto / Manual (1/6 ~ 1/100000 s)	Auto / Manual (1/6 ~ 1/100000 s)
White Balance		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Gain Control		Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
S/N Ratio		52 dB	56 dB	56 dB	52 dB	56 dB
WDR		WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
Dynamic Range		Up to 120 dB	Up to 120 dB	Up to 120 dB	Up to 120 dB	Up to 120 dB
Operation						
Video Compression		H.265, H.264, MJPEG	H.265	H.265, H.264, MJPEG	MJPEG	H.265
Video Streaming		Triple streams	Triple streams	Dual streams	Triple streams	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 1920 x 1080	30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 2304 x 1296	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 1920 x 1080
Audio Compression		N/A	G.711	G.711	N/A	G.711
Audio Support		N/A	One-way Audio	One-way Audio	One-way Audio	One-way Audio
Optical Lens						
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)	Yes (with removable IR-cut filter)
Lens Type		Fixed	Fixed	Fixed	Motorized varifocal lens	Motorized varifocal lens
Focal Length		2.8 mm	2.8 mm	2.8 mm	2.7 ~ 12 mm	2.8 ~ 12 mm
Maximum Aperture		F/2.0	F/2.0	F/1.6	F/1.4	F/1.6
Mount		M12	M12	M12	M12	M12
Image Format		1/3"	1/3"	1/3"	1/3"	1/3"
Horizontal FOV		100°	107°	101°	91.0°~27.0°	98°~31°
Operation	Focus	Fixed	Fixed	Fixed	Auto / Manual	Auto / Manual
	Zoom				4.4x Optical Zoom	4.3x Optical Zoom
	Iris				Fixed	Fixed
IR LED Quantity		1 IR LED	1 IR LED	1 IR LED	2 IR LEDs	2 IR LEDs
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	30 m (100 ft)	30 m (100 ft)	30 m (100 ft)
Mechanical						
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 90°	0° ~ 90°	0° ~ 90°	0° ~ 75°	0° ~ 90°
	Rotate	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°	0° ~ 360°
3-axis Mechanism		Yes	Yes	Yes	Yes	Yes
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)
	Audio	N/A	1 In (built-in microphone)	1 In (built-in microphone)	1 In (built-in microphone)	1 In (built-in microphone)
	TV-Out	N/A	N/A	N/A	N/A	N/A
	Local Storage	N/A	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.	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.
LED Indicator		N/A	N/A	N/A	N/A	N/A
Temperature Detector						
General						
Environment Temperature	Start-up	-35°C ~ 60°C (-31°F ~ 140°F)	-30°C ~ 60°C (-31°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
	Operation					
Humidity		0% ~ 95% (no condensation)	0% ~ 95% (no condensation)	0% ~ 95% (no condensation)	0% ~ 95% (no condensation)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)			12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		5.5 W	5.5 W	6 W	8.16 W	8.16 W
Certification		CE, FCC, RoHS, UL compliant	CE, FCC, RoHS, UL compliant	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 126 x 94 mm (Ø 5.0" x 3.7")	Ø 126 x 94 mm (Ø 5.0" x 3.7")	Ø 129 x 110 mm (Ø 5.08" x 4.3")	Ø 129 x 110 mm (Ø 5.08" x 4.3")
Weight		0.45 kg (0.99 lb)	0.45 kg (0.99 lb)	0.45 kg (0.99 lb)	0.67 kg (1.48 lb)	0.67 kg (1.48 lb)
Ingress Protection		IP67	IP67	IP67	IP67	IP67
Vandal Resistance		N/A	N/A	N/A	IK10 for metal casing	IK10 for metal casing

Note: 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).

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Target Series Specifications (Part 13)

		GV-EBD8700	GV-EBD8711
Camera			
Image Sensor		1/2.5" progressive scan low lux CMOS	1/2" progressive scan super low lux CMOS
Picture Elements		3840 (H) x 2160 (V)	3840 (H) x 2160 (V)
Minimum Illumination	Color	0.05 Lux (F2.0, AGC ON)	0.003 Lux (F1.5, AGC ON)
	B/W	N/A	N/A
	IR ON	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 s)	Auto / Manual (1/6 ~ 1/100000 s)
White Balance		Auto / Manual	Auto / Manual
Gain Control		Auto / Manual	Auto / Manual
S/N Ratio		52 dB	52 dB
WDR		WDR Pro	WDR Pro
Dynamic Range		Up to 120 dB	Up to 120 dB
Operation			
Video Compression		H.264	H.264
Video Streaming		Triple streams	Triple streams
Frame Rate		20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	20 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440
Audio Compression		N/A	N/A
Audio Support		N/A	One-way Audio
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Lens Type		Fixed	Motorized varifocal lens
Focal Length		2.8 mm	2.8 ~ 12 mm
Maximum Aperture		F/2.0	F/1.5
Mount		M12	M12
Image Format		1/2.5"	1/2"
Horizontal FOV		106°	114.8° ~ 47.3°
Operation	Focus	Fixed	Auto / Manual
	Zoom		4.3x Optical Zoom
	Iris		Fixed
IR LED Quantity		1 IR LED	2 IR LEDs
Max. IR Distance		30 m (100 ft)	30 m (100 ft)
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 90°	0° ~ 75°
	Rotate	0° ~ 360°	0° ~ 360°
3-axis Mechanism		Yes	Yes
Connectors	Power	PoE	DC Jack
	Ethernet	RJ-45 connector (10/100 Base-T)	RJ-45 connector (10/100 Base-T)
	Audio	N/A	1 In (built-in microphone)
	TV-Out	N/A	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	N/A
Temperature Detector			
General			
Environment Temperature	Start-up	-35°C ~ 60°C (-31°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
	Operation		
Humidity		0% ~ 90% (no condensation)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		5.5 W	8.16 W
Certification		CE, FCC, RoHS, UL 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		0.45 kg (0.99 lb)	0.67 kg (1.48 lb)
Ingress Protection		IP67	IP67
Vandal Resistance		N/A	IK10 for metal casing

Note: 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).

July 11, 2024

Target Series Specifications (Part 14)

	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	
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 Temperature	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
Certification	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. 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 15)

		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				
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
Certification		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:

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. 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 16)

		GV-AVD2700	GV-TVD2712	GV-TVD4700	GV-TVD4711	GV-AVD4710	GV-TVD4710
Camera							
Image Sensor		1/2.8" progressive scan low lux CMOS	1/2.7" progressive scan low lux CMOS	1/3" progressive scan super low lux CMOS			
Picture Elements		1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2592(H) x 1520 (V)	2688 (H) x 1520 (V)	2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.001 Lux (F1.6, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.01 Lux (F1.6, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.005 Lux (F1.4, AGC ON)	
	B/W	N/A					
	IR ON	0 Lux					
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/100,000 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	52 dB	52 dB	56 dB	55 dB	56dB
WDR Pro		Yes					
Dynamic Range		Up to 120 dB	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	Dual streams	Triple streams			
Frame Rate		30 fps at 1920 x 1080	30 fps at 1920 x 1080, 1280 x 720	20 fps at 2592 x 1520	30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296	20 fps at 2592 x 1520, 25 fps at 2560 x 1440, 30 fps at 2048 x 1520	
Audio Compression		G.711	G.711	N/A	G.711	G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	One-way Audio	N/A	Two-way Audio (external microphone and speaker required)		
Optical Lens							
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Varifocal	Motorized varifocal	Varifocal	Motorized varifocal		
Focal Length		2.8 ~ 12 mm	2.8 ~ 12 mm	2.8 ~ 12 mm			
Maximum Aperture		F/1.6	F/1.6	F/1.6		F/1.4	
Mount		Ø 14 mm	Ø 14 mm	Ø 14 mm			
Image Format		1/2.8"	1/2.7"	1/3"		1/3"	
Horizontal FOV		108° ~ 30°	103.6˚ ~ 33.4˚	97° ~ 29°	98~ 31°	91° ~ 27°	
Operation	Focus	Manual (with lock)	Automatic / Manual	Manual (with lock)		Auto / Manual	
	Zoom	Manual (with lock)	4.3x Optical Zoom	Manual (with lock)	4.3x Optical Zoom	4.3x Optical Zoom	
	Iris	Fixed	Fixed	Fixed			
IR LED Quantity		2 IR LEDs	2 IR LEDs	2 IR LEDs			
Max. IR Distance		30 m (100 ft)	40 m (130 ft)	30 m (100 ft)			
Mechanical							
Camera Angle Adjustment	Pan	0° ~ 360°	3° ~ 360°	0° ~ 360°			
	Tilt	0° ~ 80°	0° ~ 70°	0° ~ 80°			
	Rotate	0° ~ 360°	3° ~ 360°	0° ~ 360°			
3-axis Mechanism		Yes					
Pigtail-Free		No	No	No	Yes	No	
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE	2-pin terminal block, PoE	DC Jack, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable					
	Audio	1 in (Audio In Wire), 1 out (Audio Out Wire)	Built-in microphone	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	N/A		BNC connector (640 x 480 resolution)	
	Digital I/O	4-pin terminal block, pitch 3.5 mm/0.14"	N/A	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 Temperature	Start-up	-40°C ~ 60°C (-40°F ~ 140°F)	−30 °C ~ 60 °C (-22 °F ~ 140 °F)	-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	8.0 W	7 W	8.7 W	7.2 W	
Certification		CE, FCC, RoHS, UL compliant	FCC, CE, RoHS, UL compliant	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")	Ø 128 x 100 mm (Ø 5.0" x 3.9")	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)	0.66 kg (1.46 lb)	0.92 kg (2 lb)		0.75 kg (1.7 lb)	
Ingress Protection		IP67	IP67	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 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x480.

2. 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 17)

		GV-AVD8710	GV-TVD8710
Camera			
Image Sensor		1/2" progressive scan super low lux CMOS	
Picture Elements		3840 (H) x 2160 (V)	
Minimum Illumination	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)	
White Balance		Auto / Manual	
Gain Control		Auto / Manual	
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		Triple streams	
Frame Rate		20 fps at 3840 x 2160, 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	
Audio Compression		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Motorized varifocal	
Focal Length		2.8 ~ 12 mm	
Maximum Aperture		F/1.5	
Mount		Ø 14 mm	
Image Format		1/2"	
Horizontal FOV		114.8° ~ 47.3°	
Operation	Focus	Auto / Manual	
	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	
Pigtail-Free		No	
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.	
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		8 W	
Certification		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:

1. 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 640x480.

2. 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 18)

		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			
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 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)	12V DC
Max. Power Consumption		10.5 W	9.5 W
Certification		CE, FCC, RCM, LVD, RoHS compliant	
Dimension		Ø 140.5 x 52.2 mm m (5.5" x 2.05")	
Weight		670 g (1.47 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK8	

Note: 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 (Part 1)

		GV-FER5701 (Outdoor)	GV-FER12203 (Outdoor)	GV-FER5702 (Outdoor)
Image Sensor		1/2.5" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.8" progressive scan CMOS
Picture Elements		2592 (H) x 1944 (V)	4000 (H) x 3000 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.03 Lux	0.1 Lux	0.01 Lux (F2.0, AGC ON)
	B/W	0.02 Lux	0.05 Lux	N/A
	IR ON	0 Lux	0 Lux	0 Lux
Shutter Speed		Automatic, Manual (1/30 ~ 1/16000 sec)	Automatic, Manual (1/30 ~ 1/16000 sec)	Auto / Manual (1 ~ 1/100000s)
White Balance		Auto, Manual (2800K ~ 8500K)	Auto, Manual (2800K ~ 8500K)	Auto / Manual (2800K ~ 8500K)
Gain Control		Automatic	Automatic	Automatic
S/N Ratio		50 dB	52 dB	55 dB
WDR Pro (with WDR Sensor)		Yes	N/A	Yes
Dynamic Range		Up to 120 dB	Up to 72 dB	120 dB
Video Compression		H.265, H.264, MJPEG	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
Frame Rate		30 fps at 2592 x 1944	15 fps at 4000 x 3000 25 fps at 2896 x 2768	30 fps at 2592 x 1944 (50/60 Hz)
Audio Compression		G.711		
Audio Support		Two-way Audio (external speaker required)		Two-way Audio (external speaker required)
Sensor Input		1 Input (Dry Contact)	1 Input (Dry Contact)	1 Input (Dry Contact)
Alarm Output		1 Digital Output (200 mA 5V DC)	1 Digital Output (200 mA 5V DC)	1 Digital Output (200 mA 5V DC)
Day/Night		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	1.4 mm
Maximum Aperture		F/2.8	F/2.4	F/2
Mount		M12	M12	M12
Image Format		1/2.5"	1/1.7"	1/2.8"
Horizontal FOV		180°	180°	180°
Operation	Focus	Fixed	Fixed	Fixed
	Iris			
	Zoom			
IR LED Quantity		6 IR LEDs	6 IR LEDs	3 IR LEDs
Max. IR Distance		30 m (100 ft)	30 m (100 ft)	20 m (65 ft)
Temperature Detector		Yes	Yes	N/A
Connectors	Power	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	RJ-45
	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 with power supply) 1 Out (Audio Out Wire)
	Digital I/O	3-pin terminal block, pitch 2.5 mm/0.1"	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.		
	USB	GV-WiFi Adapter or USB hard drive	USB hard drive	N/A
Environment Temperature	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-30°C ~ 60°C (-22°F ~ 140°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)		
Humidity		10% to 90% (no condensation)	10% to 90% (no condensation)	0% ~ 95% (no condensation)
Power Source		12V DC / PoE+ (IEEE 802.3at)	12V DC / 24V AC / PoE+ (IEEE 802.3at)	12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		15 W	28 W	8.5 W
Certification		CE, FCC, LVD, RoHS compliant	CE, FCC, RCM, LVD, RoHS compliant	CE, FCC, RoHS, UL compliant
Dimensions		Ø 160.59 x 59.06 mm (6.22" x 2.32")	Ø 160.59 x 59.06 mm (6.22" x 2.32")	Ø 125x 44 mm (Ø 4.9" x 1.7")
Weight		700 g (1.54 lb)	700 g (1.54 lb)	360 g (0.79 lb)
Ingress Protection		IP67	IP67	IP66
Vandal Resistance		IK10+ for metal casing	IK10+ for metal casing	IK10

Note: 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 (Part 2)

		GV-FER12700 (Outdoor)	GV-QFER12700 (Outdoor)	GV-PFER12800	GV-RFER12700
Image Sensor		1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.3" progressive scan CMOS
Picture Elements		4000 (H) x 3000 (V)	4000 (H) x 3000 (V)	4000 (H) x 3000 (V)	3840 (H) x 3000 (V)
Minimum Illumination	Color	0.1 Lux	0.1 Lux	0.005 Lux	0.03 Lux (F2.0, AGC ON)
	B/W	0.05 Lux	0.01 Lux	N/A	N/A
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)	Automatic, Manual (1/5 ~ 1/10000 sec)	Auto / Manual (1 ~ 1/100000 sec)	Auto / Manual (1 ~ 1/30000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)	Automatic, Manual	Automatic, Manual	Automatic, Manual
Gain Control		Automatic	Automatic	Automatic	Automatic, Manual
S/N Ratio		52 dB	52 dB	55 dB	39.5 dB
WDR Pro (with WDR Sensor)		WDR	WDR	Yes	WDR
Dynamic Range		Up to 72 dB	Up to 77 dB	Up to 120 dB	N/A
Video Compression		H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264	H.265, H.264
Video Streaming		Triple streams from H.265, H.264 or MJPEG	Quad streams from H.265, H.264 or MJPEG	Dual streams from H.265 & H.264	Triple streams from H.265 & H.264
Frame Rate		25/30 fps at 4000 x 3000 and 3160 x 3000	20 fps at 4000 x 3000 (50/60 Hz)	30 fps at 3000 x 3000, 2560 x 2560, 1920 x 1920, 1280 x 1280, 1280 x 960, 1024 x 1024, 736 x 736, 576 x 576 (60 Hz) 25 fps at 3000 x 3000, 2560 x 2560, 1920 x 1920, 1280 x 1280, 1280 x 960, 1024 x 1024, 736 x 736, 576 x 576 (50 Hz)	25 fps at 3000 x 3000, 2560 x 2560, 2160 x 2160, 1520 x 1520, 480 x 480 (60 Hz) 15 fps at 3840 x 3000, 1280 x 960, 640 x 480 (50 Hz)
Audio Compression		G.711	G.711	G.711	G.711
Audio Support		Two-way Audio (external microphone and speaker required)		Two-way Audio (external speaker required)	Two-way Audio
Sensor Input		1 Input (Dry Contact)	1 Input	1 Input (dry contact, NO / NC)	1 Input (dry contact, NO / NC)
Alarm Output		1 Digital Output (200 mA 5V DC)	1 Output	1 Relay Output (1A 30V DC / 0.3A 125V AC)	1 Relay Output (2A 30V DC / 0.5A 125V AC)
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		1.2 mm	1.65 mm	1.98 mm	1.6 mm
Maximum Aperture		F/2.2	F/2.8	F/2.8	F/2
Mount		M12	M12	M12	M12
Image Format		1/1.7"	1/1.7"	1/1.7"	1/2.3"
Horizontal FOV		180°	180°	180°	180°
Operation	Focus	Fixed	Fixed	Fixed	Fixed
	Iris				
	Zoom				
IR LED Quantity		6 IR LEDs	4 IR LEDs	6 IR LEDs	3 IR LEDs
Max. IR Distance		30 m (100 ft)	10 m (35 ft)	15 m (50 ft)	10 m (35 ft)
Temperature Detector		Yes	Yes	N/A	N/A
Connectors	Power	2-pin terminal block, PoE	DC Jack	DC Jack	DC Jack
	Ethernet	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	Ethernet (10/100 Base-T), RJ-45 Connector
	Audio	1 In (built-in or external microphone) 1 Out (3.5 mm stereo jack)	1 In (external microphone with power supply) 1 Out (3.5 mm stereo jack)	1 in (Bulit-in or external microphone) 1 out (4-pin terminal block pitch 3.5 mm (0.14")) *The Audio In port only supports microphones with power supply.	1 in (built-in microphone), 1 out (built-in speaker)
	Digital I/O	3-pin terminal block, pitch 2.5 mm/0.1"	4-pin terminal block	4-pin terminal block pitch 3.5 mm (0.14")	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 Support recording to NAS			Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10), up to 256 GB *UHS-II card type is not supported.
	USB	GV-WiFi Adapter or USB hard drive	N/A	N/A	N/A
Environment Temperature	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C~70°C (-4°F ~ 158°F)	N/A	-35°C ~ 60°C (-31°F ~ 140°F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 55°C (-22°F ~ 131°F)	-40°C ~ 60°C (-40°F ~ 140°F)	
Humidity		10% to 90% (no condensation)	10% to 90% (no condensation)	0% ~ 90% (no condensation)	0% ~ 90% (no condensation)
Power Source		12V DC / PoE+ (IEEE 802.3at)	12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)	12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		17 W	12.95 W	11 W	9.6 W
Certification		CE, FCC, LVD, RoHS compliant	CE, FCC, RoHS compliant	CE, FCC, RoHS compliant	CE, FCC, RoHS compliant
Dimensions		Ø 160.59 x 59.40 mm (6.22" x 2.33")	Ø 130*57.8 mm (Ø 5.12" x 2.28")	Ø 140 x 45.4 mm (Ø 5.5" x 1.8")	Ø 120 x 55 mm (4.7" x 2.1")
Weight		700 g (1.54 lb)	565 g (1.25 lb)	700 g (1.54 lb)	400 g (0.88 lb)
Ingress Protection		IP67	IP66	IP67	IP66
Vandal Resistance		IK10+ for metal casing	IK10	IK10	N/A

Note: 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					
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	30x
	Iris	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	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	
Certification		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: 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-SD4825-IR	GV-SD4834-IR
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 CMOS sensor	1/2.8 Progressive scan CMOS sensor
Picture Elements		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2688 (H) x 1520 (V)	
Minimum Illumination	Color	0.0005 Lux (F1.5, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.003 Lux (F1.5, AGC ON)	
	B/W	N/A		N/A	
	IR ON	0 Lux		0 Lux	
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)		Auto / Manual (1 ~ 1/100000 sec)	
White Balance		Auto / Manual			
AGC Control		Auto / Manual		Auto / Manual	
S/N Ratio		52 dB	55 dB	56 dB	
Optical Zoom		22x		25x	33x
Digital Zoom		Unlimited			
WDR Pro (with WDR sensor)		Yes			
Dynamic Range		Up to 120 dB			
Video Compression		H.265, H.264 or MJPEG			
Video Streaming		Triple streams from H.265, H.264 or MJPEG			
Frame Rate		60 fps at 1920 x 1080	30 fps at 2048 x 1536 / 60 fps at 1920 x 1080	30 fps at 2688 x 1520 / 30 fps at 2560 x 1440	
Audio Compression		G.711			
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)		1 Relay Output (0.5A 125V AC / 1A 30V DC)	
Pan Travel		360° endless			
Tilt Travel		-15° ~ 90°			
Movement Speed		0.1° ~ 240°/s		0.1° ~ 200°/s	0.1° ~ 200°/s
Presets		255			
Preset Accuracy		0.1°		0.3°	0.3°
Auto Pan		Yes		Yes	Yes
Sequence	Max Number	N/A			
	Max Presets Allowed				
Cruise					
Tour					
Patrol	Max Number	16			
	Max Actions Allowed	32			
Privacy Mask		24			
Day/Night		Yes (with removable IR Cut Filter)			
Focal Length		6.5 ~ 143 mm	4.5 ~ 148.5 mm	4.8 ~ 120 mm	4.5 ~ 148.5 mm
Maximum Aperture		F/ 1.5	F/ 1.6	F/ 1.5	
Operation	Focus	Auto / Manual			
	Zoom	22x	33x	25x	33x
	Iris	Auto / Manual			
IR LED Quantity		10 IR LEDs		4 IR LEDs	6 IR LEDs
Max. IR Distance		200 m (655ft)	150 m (500 ft)	100 m (330 ft)	150 m (500 ft)
Temperature Detector		N/A			
Connectors	Power	3-pin terminal block		DC Jack, PoE	3-pin terminal block, PoE
	Ethernet	10/100 Base-T, RJ-45 connector		10M/100 Base-TX, 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		Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card types are not supported.	
	TV-Out	BNC connector			
Environment Temperature		-40°C ~ 70°C (-40°F ~ 158°F)		-40°C~70°C (-40°F ~ 158°F)	-40°C~65°C (-40°F ~ 149°F)
Humidity		20% ~ 90% (no condensation)			
Power Source		24V AC / 24V DC		12V DC / PoE+ (IEEE 802.3at)	24V DC / 24V AC / PoE+ (IEEE 802.3at)
Max. Power Consumption		52.5 W		21 W	25 W
Certification		CE, FCC, RoHS, UL compliant	CE, FCC, RoHS compliant	CE, FCC, RoHS, UL compliant	
Dimensions		Ø 227 x 359.4 mm (8.94" x 14.15")		Ø166 x 295mm (6.5" x 11.6")	Ø227 x 384.8mm (8.9" x 15.1")
Weight		5.4 kg (11.9 lb)		3.05 kg (6.72 lb)	5.28 kg (11.64 lb)
Ingress Protection		IP66		IP67	IP66
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 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.

2. 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 3)

Camera		GV-QSD5730-Indoor	GV-QSD5731-IR (Outdoor)	GV-QSD5730-Outdoor
Image Sensor		1/2.8 Progressive scan low lux CMOS sensor		
Picture Elements		2592 (H) x 1944 (V)		
Minimum Illumination	Color	0.02 Lux		
	B/W	0.002 Lux		
	IR ON	N/A	0 Lux	N/A
Shutter Speed		Auto / Manual (1 ~ 1/10000 sec)		
White Balance		Auto / Manual		
AGC Control		N/A	N/A	N/A
S/N Ratio		N/A	N/A	N/A
Optical Zoom		33x		
Digital Zoom		10x		
WDR Pro (with WDR sensor)		Yes		
Dynamic Range		Up to 120 dB		
Video Compression		H.265, H.264 or MJPEG		
Video Streaming		Quad streams from H.265, H.264 or MJPEG		
Frame Rate		30 fps at 2592 x 1944		
Audio Compression		G.711		
Audio Support		Two-way Audio (external microphone and speaker required)		
Sensor Input		4 Inputs, dry contact, NO / NC		
Alarm Output		2 Relay Outputs (120mA 400V DC / 120mA 250V AC)		
Pan Travel		360° endless		
Tilt Travel		-10° ~ 100°	-20° ~ 100°	-10° ~ 100°
Movement Speed		0.1° ~ 400°/s	0.1° ~ 280°/s	0.1° ~ 400°/s
Presets		256		
Preset Accuracy		0.1°		
Auto Pan		4		
Sequence	Max Number	8		
	Max Presets Allowed	64		
Cruise		8		
Tour		8		
Patrol	Max Number	N/A	N/A	N/A
	Max Actions Allowed	N/A	N/A	N/A
Privacy Mask		20		
Day/Night		Yes (with removable IR Cut Filter)		
Focal Length		4.6 ~ 152 mm		
Maximum Aperture		F/ 1.6		
Operation	Focus	Auto / Manual		
	Zoom	33x		
	Iris	Auto / Manual		
IR LED Quantity		N/A	16	N/A
Max. IR Distance		N/A	150 m (500 ft)	N/A
Temperature Detector		N/A		
Connectors	Power	Terminal Block, PoE	Terminal Block, PoE	Terminal Block, PoE
	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 Terminal Block		
	Local Storage	SD card slot (SDHC / SDXC, Class 10)		
	TV-Out	BNC connector		
Environment Temperature		-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		10% ~ 90% (non-condensing)		
Power Source		30V DC / 24V AC / PoE+ (802.3at)	30V DC / 24V AC / PoE++ (60W)	30V DC / 24V AC / PoE+ (802.3at)
Max. Power Consumption		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.
Certification		CE, FCC, RoHS compliant		
Dimensions		Ø 212 x 263.6 mm (8.3" x 10.4")	Ø 207 x 300 mm (8.15" x 11.81")	Ø 209.5 x 279.3 mm (8.2" x 11")
Weight		2.6 kg (5.73 lb)	3.8 kg (8.38 lb)	2.9 kg (6.39 lb)
Ingress Protection		N/A	IP66	
Vandal Resistance		N/A	IK10 for housing	

Note:

1. 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.

2. 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-GPH2800	
Camera			
Image Sensor		1/2.8" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux	
	B/W		
Shutter Speed		Automatic	
White Balance		N/A	
Gain Control		Automatic	
S/N Ratio		52 dB	
WDR		N/A	
WDR Pro		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 1920 x 1080	
Audio Compression		G.711	
Audio Support		Two-way audio capable (external microphone and speaker required)	
Sensor Input		8 inputs, dry contact, NO / NC	
Alarm Output		4 relay outputs (24V DC / 1A 125V AC)	
Optical Lens			
Day/Night		Yes (Electronic)	
Iris		Fixed	
Focal Length		2.8 mm	
Maximum Aperture		F/2.2	
Mount		M12	
Image Format		1/2.8"	
Horizontal FOV		104°	
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
Mechanical			
Temperature Detector		N/A	
Connectors	**Power**	Main Body	Input: PoE (IEEE 802.3af) / DC 12 V; Output: DC 12 V, 0.5 A
		Camera	DC 12 V, 1 A (external power supply required)
	Ethernet	RJ-45 connector	
	Audio	1 In (stereo phone jack, 3.5 mm / 0.14'') 1 Out (stereo phone jack, 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.	
	Camera Unit Connect	N/A	
LED Indicator		N/A	
General			
Environment Temperature		-30 °C ~60 °C (23 °F ~ 122 °F)	
Humidity		0% to 95% (no condensation)	
Power Source		DC 12 V / PoE (IEEE 802.3af)	
Max. Power Consumption		5.5 W	
Certification		CE, FCC, RoHS compliant	
Dimensions	**Main Base**	108.5 x 87.8 x 28 mm (4.27" x 3.46" x 1.10")	
	Pinhole Unit	31.6 x 30.4 x 30.4 mm (1.24" x 1.20" x 1.20")	
Weight (with rack)		323.8 g (0.71 lb)	

Note: 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	Color	**FE:** 0.15 Lux; **SD:** 0.5 Lux	**FE:** 0.1 Lux; **SD:** 0.5 Lux	
Illumination	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		
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				
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		24V DC / 24V AC / High PoE (PoE++, 40 W)	24V DC / 24V AC / High PoE (PoE++, 53 W)	
Max. Power Consumption		40 W	57.2 W	
Certification		CE, FCC, RCM, RoHS compliant		
Dimensions		Ø 211.63 x 272.00 mm (8.332" x 10.709")	Ø 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: 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
Certification		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: 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 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	
Minimum Illumination — B/W	0.04 Lux	
Minimum Illumination — 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	
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		
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)	
Operation — 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°	
Recognition face angle — 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°	
Camera Angle Adjustment — Tilt	0° ~ 75°	
Camera Angle Adjustment — Rotate	0° ~ 340°	
3-axis Mechanism	Yes	
Temperature Detector	Yes	
Connectors — Power	2-pin terminal block, PoE	
Connectors — Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
Connectors — Audio	1 In (built-in or external microphone with power supply); 1 Out (3.5 mm stereo jack; currently not functional)	
Connectors — Digital I/O	I/O wires	
Connectors — Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
Connectors — TV-Out	N/A	
LED Indicator	2 LEDs: Power, Status	
General		
Environment Temperature — Startup	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Environment Temperature — 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	
Certification	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: 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						
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			Ø14 mm	
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	N/A			0° ~ 350°	
	Tilt				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		12V DC / PoE (IEEE 802.3af)				
Max. Power Consumption		6 W	4.9 W	6 W	9.5 W	
Certification		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:

1. The TV-Out function only works in 640 x 480 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 640x480.

2. 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).

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
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		
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
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 / 24V AC / High PoE (PoE++, 72 W)
Max. Power Consumption		72 W
Certification		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: 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).

AI Deep Learning IP Camera (Part 1)

		GV-EBD4813	GV-TBL4810	GV-TBL4807
Camera				
Image Sensor		1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/2.7" progressive scan super low lux CMOS
Picture Elements		2688 (H) x 1520 (V)		
Minimum Illumination	Color	0.002 Lux (F1.2, AGC ON)		0.002 Lux (F1.6, AGC ON)
	B/W	N/A		
	IR ON	0 Lux		N/A
Shutter Speed		Automatic / Manual (1 ~ 1/100000 sec)		
White Balance		Automatic, Manual		
Gain Control		Automatic, Manual		
S/N Ratio		56 dB		
WDR		WDR Pro		
Dynamic Range		120 dB		
Operation				
Video Compression		H.265, H.264, MJPEG		
Video Streaming		Triple streams		
Frame Rate		30 fps at 2688 x 1520 / 2560 x 1440 / 2304 x 1296		
Audio Compression		G.711		
Audio Support		On-way Audio	Two-way Audio (external microphone and speaker required)	One-way Audio
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				
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Motorized varifocal lens		Fixed
Focal Length		2.7 ~ 13.5 mm	2.7 ~ 13.5 mm	6 mm
Maximum Aperture		F/1.2	F/1.2	F/1.6
Mount		Ø 12 mm	Ø 14 mm	M12
Horizontal FOV		98°~31°	98°~31°	52.1°
Operation	Focus	Auto / Manual		Fixed
	Zoom	5x Optical Zoom		Fixed
	Iris			Fixed
IR LED Quantity		2 IR LEDs	3 IR LEDs	4 IR LEDs
Max. IR Distance		40 m (130 ft)	50 m (165 ft)	80 m (260 ft)
Video Resolution				
Main Stream		2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720		2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720
Sub Stream		1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288		1280 x 720, 720 x 576, 640 x 360 (Default), 640 x 480
Third Stream (Closed by Default)		720 x 576, 704 x 288, 640 x 360, 352 x 288		
Network				
Interface		10/100 Ethernet		
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 360°		
	Tilt	0° ~ 75°	0 ~ 90°	
	Rotate	0° ~ 360°		
Connectors	Power	DC Jack, PoE		
	Ethernet	RJ-45		
	Audio	1 In (built-in microphone)	1 in (Audio In Wire); 1 out (Audio Out Wire) *The Audio In port only supports microphones with power supply	2 In (built-in microphone x 2)
	Digital I/O	N/A	4-pin terminal block pitch 3.5 mm (0.14")	I/O wires
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		
General				
Operating Temperature		-30°C ~ 60°C (-22°F ~ 140°F)		
Humidity		0% ~ 95% (no condensation)		
Power Source		12V DC / PoE (IEEE802.3af)		
Max. Power Consumption		7 W	8.5 W	7 W
Certification		CE, FCC, RoHS, UL compliant		CE, FCC, LVD, RoHS, UL compliant
Dimensions		Ø 129 x 110 mm (Ø 5.1" x 4.3")	244 × 96 ×74 mm (9.6" × 3.8" × 2.9")	206 × 74 × 74 mm (8.1" × 2.9" × 2.9")
Weight		0.69 kg (1.52 lb)	1.0 kg (2.2 lb)	0.51 kg (1.12 lb)
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal casing		N/A

Note: 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).

		GV-BLFC5800	GV-EBFC5800
Camera			
Image Sensor		1/2.7" progressive scan super low lux CMOS	
Picture Elements		2880 (H) x 1620 (V)	
Minimum Illumination	Color	0.001 Lux (F1.0, AGC ON)	
	B/W	N/A	
	IR ON	0 Lux	
Shutter Speed		Automatic / Manual (1 ~ 1/100000 sec)	
White Balance		Automatic, Manual	
Gain Control		Automatic, Manual	
S/N Ratio		56 dB	
WDR		WDR Pro	
Dynamic Range		120 dB	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Triple streams	
Frame Rate		30 fps at 2880 x 1620 / 2560 x 1440 / 2304 x 1296	
Audio Compression		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	One-way audio
Sensor Input		1 Input, dry contact, NO / NC	N/A
Alarm Output		1 Relay Output (30V DC, 1A / 125V AC, 0.3A)	N/A
Optical Lens			
Day/Night		Yes	
Lens Type		Fixed	
Focal Length		4 mm	2.8 mm
Maximum Aperture		F/1.0	
Mount		M12	
Horizontal FOV		80.2°	102°
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
IR LED Quantity		2 Warm LEDs	
Max. IR Distance		30 m (100 ft)	
Video Resolution			
Main Stream		2880 x 1620 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720	
Sub Stream		1280 x 720, 720 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288	1280 x 720, 720 x 576(Default), 704 x 288, 640 x 480, 640 x 360, 352 x 288
Third Stream (Closed by Default)		640 x 360, 352 x 288	720 x 576, 640 x 360, 706 x 288, 352 x 288
Network			
Interface		10/100 Ethernet	
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	3° ~ 360°
	Tilt	0 ~ 90°	0 ~ 80°
	Rotate	0° ~ 360°	3° ~ 360°
Connectors	Power	DC Jack, PoE	
	Ethernet	RJ-45	
	Audio	1 in (Audio In Wire); 1 out (Audio Out Wire) *The Audio In port only supports microphones with power supply	1 In (Built-in microphone)
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	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°C ~ 60°C (-22°F ~ 140°F)	
Humidity		0% ~ 95% (no condensation)	
Power Source		12V DC / PoE (IEEE802.3af)	
Max. Power Consumption		9.0 W	7.5 W
Certification		CE, FCC, RoHS, UL compliant	
Dimensions		246 × 86 × 85 mm (9.7" × 3.4" × 3.3")	Ø 126 x 93 mm (Ø 5" x 3.7")
Weight		0.92 kg (2.02 lb)	0.44 kg (0.97 lb)
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	N/A

Note: 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).

		GV-TDR4803	GV-TDR8805	GV-TFD4800
Camera				
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.7" progressive scan super low lux CMOS	
Picture Elements		2688 (H) x 1520 (V)	3840 (H) x 2160 (V)	2688 (H) x 1520 (V)
Minimum Illumination	Color	0.003 Lux (F1.6, AGC ON)		
	IR ON	0 Lux		
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)		
White Balance		Automatic, Manual		
Gain Control		Automatic, Manual		
S/N Ratio		56 dB		52 dB
WDR		WDR Pro		
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 / 2560 x 1440 / 2304 x 1296	20 fps at 3840 x 2160, 30 fps at 3072 x 1728 / 2560 x 1440 / 1920 x 1080	30 fps at 2688 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920x 1080
Audio Compression		G.711		
Audio Support		Two-way Audio (external microphone and speaker required)	Two-way Audio (external speaker required))	Two-way Audio (external speaker required))
Sensor Input		1 Input, dry contact, NO / NC		
Alarm Output		1 Relay Output (30V DC, 1A / 125V AC, 0.3A)		
Optical Lens				
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Fixed		
Focal Length		2.8 mm	2.8 mm	2.8 mm
Maximum Aperture		F/1.6		
Mount		M12		
Horizontal FOV		101°	112.9°	101.1°
Operation	Focus	Fixed		
	Zoom			
	Iris			
IR LED Quantity		1 IR LED		
Max. IR Distance		30 m (100 ft)		
Video Resolution				
Main Stream		2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720	3840 x 2160 (Default), 3072 x 1728, 2560 x 1440, 1920 x 1080, 1280 x 720	2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720
Sub Stream		1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288	1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288	1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default)
Third Stream (Closed by Default)		720 x 576, 704 x 288, 640 x 360, 352 x 288	640 x 360, 352 x 288	720 x 576, 704 x 288, 640 x 360, 352 x 288
Network				
Interface		10/100 Ethernet		
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 360°	3° ~ 360°	0° ~ 348°
	Tilt	0° ~ 68°		-66° ~ 66°
	Rotate	0° ~ 360°	3° ~ 360°	0° ~ 346°
Connectors	Power	DC Jack, PoE		Terminal block, PoE
	Ethernet	RJ-45		
	Audio	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) *The Audio In port only support microphones with power supply.	1 In (built-in microphone or terminal block), 1 out (terminal block)
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	I/O wires	Terminal block
	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)		-30 ~ 55°C (-22 ~ 131°F)
Humidity		0 ~ 95% (no condensation)		
Power Source		12V DC / PoE (IEEE802.3af)		
Max. Power Consumption		4.5 W	6 W	4.5 W
Certification		FCC, CE, RoHS, UL compliant		CE, FCC, LVD, RoHS, UL compliant
Dimensions		Ø 108.7 x 81.1 mm (Ø4.3" x 3.2")	Ø 109 x 83 mm (Ø 4.3" x 3.3")	Ø 109 x 62 mm (Ø 4.3" x 2.4")
Weight		0.42 kg (0.93 lb)	0.43 kg (0.95 lb)	0.22 kg (0.49 lb)
Ingress Protection		IP67		N/A
Vandal Resistance		IK10 for metal casing		N/A

Note: 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).

AI Deep Learning IP Camera (Part 4)

		GV-TVD4810	GV-TVD4811
Camera			
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.7" progressive scan super low lux CMOS
Picture Elements		2688 (H) x 1520 (V)	2688 (H) x 1520 (V)
Minimum Illumination	Color	0.002 Lux (F1.2, AGC ON)	0.002 Lux (F1.2, AGC ON)
	IR ON	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)	
White Balance		Automatic, Manual	
Gain Control		Automatic, Manual	
S/N Ratio		56 dB	
WDR		WDR Pro	
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 / 2560 x 1440 / 2304 x 1296	30 fps at 2688 x 1520 / 2560 x 1440 / 2304 x1296 / 1920x 1080
Audio Compression		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	Two-way audio (external speaker required)
Sensor Input		1 Input, dry contact, NO / NC	
Alarm Output		1 Relay Output (1A 30V DC / 0.3A 125V AC)	
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Motorized varifocal lens	
Focal Length		2.7 ~ 13.5mm	
Maximum Aperture		F/1.2	
Mount		Ø 14 mm	
Horizontal FOV		98~ 31°	103.58° ~ 31.05°
Operation	Focus	Auto / Manual	
	Zoom	5x Optical Zoom	
	Iris	Fixed	
IR LED Quantity		2 IR LEDs	
Max. IR Distance		40 m (130 ft)	30 m (100 ft)
Video Resolution			
Main Stream		2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720	2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720
Sub Stream		1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288	1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default)
Third Stream (Closed by Default)		720 x 576, 704 x 288, 640 x 360, 352 x 288	720 x 576, 704 x 288, 640 x 360, 352 x 288
Network			
Interface		10/100 Ethernet	
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 356°
	Tilt	0 ~ 80°	0° ~ 70°
	Rotate	0° ~ 360°	0° ~ 356°
Connectors	Power	DC Jack, PoE	2-pin terminal block / PoE
	Ethernet	RJ-45	
	Audio	1 In (built-in or external microphone with power supply) 1 Out (Audio Out Wire)	1 In (Built-in microphone or Terminal Block), 1 Out (Terminal Block)
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	4-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			
Operating Temperature		-30 ~ 60°C (-22 ~ 140°F)	-30°~ 55°C (-22° ~ 131°F)
Humidity		0 ~ 95% (no condensation)	
Power Source		12 V DC / PoE (IEEE802.3af)	
Max. Power Consumption		7.0 W	6.5 W
Certification		FCC, CE, RoHS, UL compliant	CE, FCC, LVD, RoHS, UL compliant
Dimensions		Ø 148 x 111 mm (Ø 5.8 x 4.4")	Ø 128 x 100 mm (Ø 5.04" x 3.94")
Weight		0.92 kg (2.03 lb)	0.59 kg (1.31 lb)
Ingress Protection		IP67	IP66
Vandal Resistance		IK10 for metal casing	

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

AI Deep Learning IP Camera (Part 5)

		GV-TBL8804	GV-TBL8810	GV-TVD8810	GV-PTZ5810-IR
Camera					
Image Sensor		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	1/2.7" progressive scan super low lux CMOS
Picture Elements		3840 (H) x 2160 (V)			2880 (H) x 1620 (V)
Minimum Illumination	Color	0.01 Lux (F2.0, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.003 Lux (F1.6, AGC ON)	0.003 Lux (F1.2, AGC ON)
	IR ON	0 Lux			
Shutter Speed		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 x2160, 30 fps at 3072 x 1728 / 2560 x 1440 / 1920 x 1080			30 fps at 2880 x 1620 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080
Audio Compression		G.711			
Audio Support		Two-way Audio	Two-way Audio (external microphone and speaker required)	Two-way Audio (external speaker required)	Two-way Audio
Sensor Input		N/A	1 Input, dry contact, NO / NC		1 Input, NO / NC
Alarm Output		N/A	1 Relay Output (30V DC, 1A / 125V AC, 0.3A)		1 Relay Output (125V AC, 0.5A / 30V DC, 1A)
Optical Lens					
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed	Motorized varifocal		
Focal Length		4 mm	2.8 ~ 12 mm	2.8 ~ 12 mm	2.7 ~ 13.5 mm
Maximum Aperture		F/2.0	F/1.6	F/1.6	F/1.2
Mount		M12	Ø 14 mm	Ø 14 mm	N/A
Horizontal FOV		86°	29.2° ~ 107.4°	29.2° ~ 107.4°	30.6° ~ 106.9°
Operation	Focus	Fixed	Auto / Manual		
	Zoom		4.3x optical zoom	4.3x optical zoom	5x optical zoom
	Iris		Fixed	Fixed	Fixed
IR LED Quantity		1 IR LED	3 IR LEDs	2 IR LEDs	2 IR LEDs
Max. IR Distance		30 m (100 ft)	50 m (165 ft)	40 m (130 ft)	30 m (100 ft)
White LED Quantity		2 Warm LEDs	N/A	N/A	N/A
Max. White Light Distance		20 m (65 ft)	N/A	N/A	N/A
Video Resolution					
Main Stream		3840 x 2160 (Default), 3072 x 1728, 2560 x 1440, 1920 x 1080			2880 x 1620 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720, 720 x 576, 640 x 360
Sub Stream		1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288			1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default)
Third Stream (Closed by Default)		720 x 576, 704 x 288, 640 x 360, 352 x 288			720 x 576, 704 x 288, 640 x 360, 352 x 288
Network					
Interface		10/100 Ethernet			
Mechanical					
Camera Angle Adjustment	Pan	0 ~ 360°			0 ~ 350°
	Tilt	0 ~ 90°	0 ~ 120°	0 ~ 68°	0 ~ 90°
	Rotate	0 ~ 360°			N/A
Connectors	Power	DC Jack, PoE			
	Ethernet	RJ-45			
	Audio	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)	Two-way audio (built-in microphone and speaker)
	Digital I/O	N/A	4-pin terminal block pitch 3.5 mm (0.14")		I/O wires
	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)			-10°C ~ 50°C (14°F ~ 122°F)
Humidity		0 ~ 95% (no condensation)			
Power Source		12V DC / PoE (IEEE802.3af)			12V DC / PoE+ (IEEE 802.3at)
Max. Power Consumption		10.5 W	9.5 W	5.5 W	15 W
Certification		FCC, CE, RoHS, UL compliant			
Dimensions		191 × 75 × 74 mm (7.5" × 3.0" × 2.9")	244 × 96 ×74 mm (9.6" × 3.8" × 2.9")	Ø 148 x 111 mm (Ø 5.8 x 4.4")	Ø129 x 143.6 mm (Ø5.1" x 5.7")
Weight		0.41 kg (0.99 lb)	1.0 kg (2.2 lb)	0.45 kg (0.99 lb)	0.75 kg (1.65 lb)
Ingress Protection		IP67			N/A
Vandal Resistance		N/A	IK10 for metal casing	IK10 for metal casing	N/A

Note: 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).

		GV-EBD8800	GV-EBD8813
Camera			
Image Sensor		1/2.7" 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)
	B/W	N/A	
	IR ON	0 Lux	
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)	
White Balance		Automatic, Manual	
Gain Control		Automatic, Manual	
S/N Ratio		56 dB	
WDR		WDR Pro	
Dynamic Range		120 dB	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Triple streams	
Frame Rate		20 fps at 3840 x2160, 30 fps at 3072 x 1728 / 2560 x 1440 / 1920 x 1080	
Audio Compression		G.711	
Audio Support		One-way Audio	
Sensor Input		N/A	
Alarm Output		N/A	
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	Motorized varifocal
Focal Length		2.8 mm	2.8 ~ 12 mm
Maximum Aperture		F/2.0	F/1.6
Mount		M12	Ø 12 mm
Horizontal FOV		112°	107° ~ 29°
Operation	Focus	Fixed	Auto / Manual
	Zoom		4.3x optical zoom
	Iris		Fixed
IR LED Quantity		1 IR LED	2 IR LEDs
Max. IR Distance		30 m (100 ft)	40 m (130 ft)
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	
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	
	Tilt	0 ~ 90°	0 ~ 75°
	Rotate	0° ~ 360°	
Connectors	Power	DC Jack, PoE	
	Ethernet	RJ-45	
	Audio	1 In (built-in microphone)	
	Digital I/O	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		12V DC / PoE (IEEE802.3af)	
Max. Power Consumption		6.4 W	8.16 W
Certification		FCC, CE, RoHS, UL compliant	
Dimensions		Ø 126 x 94 mm (Ø5.0 x 3.7")	Ø 129 x 110 mm (Ø 5.1" x 4.3")
Weight		0.45 kg (0.99 lb)	0.67 kg (1.48 lb)
Ingress Protection		IP67	
Vandal Resistance		N/A	IK10 for metal casing

Note: 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).

AI Deep Learning IP Camera (Part 7 – 180° Panoramic Camera)

		GV-PBL8800	GV-PDR8800	GV-EBDP5800	GV-TBLP5800
Camera					
Image Sensor		1/2.8" progressive scan super low lux CMOS		1/2.7" progressive scan super low lux CMOS	
Picture Elements		3840 (H) x 2160 (V)		2880 (H) x 1620 (V)	
Minimum Illumination	Color	0.012 Lux (F2.0, AGC ON)		0.01 Lux (F2.0, AGC ON)	
	B/W	N/A		N/A	
	IR ON	0 Lux		0 Lux	
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)		Auto / Manual (1 ~ 1/100000 sec)	
White Balance		Automatic, Manual		Automatic, Manual	
Gain Control		Automatic, Manual		Automatic, Manual	
S/N Ratio		55 dB		56 dB	
WDR		WDR Pro		WDR Pro	
Dynamic Range		120 dB		120 dB	
Operation					
Video Compression		H.265, H.264, MJPEG		H.265, H.264, MJPEG	
Video Streaming		Triple streams		Triple streams	
Frame Rate		25 fps at 3840 x 2160, 30 fps at 3456 x 1936 / 3200 x 1800 / 2880 x 1624		30 fps at 2880 x 1620 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080	
Audio Compression		G.711		G.711	
Audio Support		One-way Audio		One-way Audio	
Sensor Input		N/A		N/A	
Alarm Output		N/A		N/A	
Optical Lens					
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed		Fixed	
Focal Length		1.68 mm		1.68 mm	
Maximum Aperture		F/2.0		F/2.0	
Mount		M12		Ø12 mm	M12
Horizontal FOV		180°		180°	
Operation	Fixed	Fixed		Fixed	
	Zoom				
	Iris				
IR LED Quantity		2 IR LEDs		2 IR LEDs	
Max. IR Distance		15 m (50 ft)		20 m (65 ft)	
Video Resolution					
Main Stream		3840 x 2160 (Default), 3456 x 1936, 3200 x 1800, 2880 x 1624, 2560 x 1440, 1920 x 1080, 1280 x 720		2880 x 1620 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080	
Sub Stream		1280 x 720, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 288, 320 x 240		1920 x 1080, 1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default), 704 x 288, 352 x 288	
Third Stream (Closed by Default)		1280 x 720, 704 x 576, 640 x 480 (Default), 640 x 360, 352 x 288, 320 x 240		720 x 576, 704 x 288, 640 x 360, 352 x 288	
Network					
Interface		10/100 Ethernet		10/100 Ethernet	
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 180°	0° ~ 360°	0° ~ 360°
	Tilt	5° ~ 90°	0° ~ 180°	0° ~ 75°	0° ~ 90°
	Rotate	0° ~ 360°	N/A	0° ~ 360°	0° ~ 360°
Connectors	Power	2-pin terminal block, PoE	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	RJ-45		RJ-45	
	Audio	1 In (built-in microphone)		1 In (built-in microphone)	
	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		-40°C ~ 60°C (-40°F ~ 140°F)		-30°C ~ 60°C (-22°F ~ 140°F)	
Humidity		0 ~ 90% (no condensation)		0 ~ 95% (no condensation)	
Power Source		12V DC / PoE (IEEE802.3af)		12V DC / PoE (IEEE802.3af)	
Max. Power Consumption		9 W		5.5 W	
Certification		CE, FCC compliant		CE, FCC, LVD, RoHS, UL compliant	
Dimensions		97 x 74 x 168.5 mm (3.82 x 2.91 x 6.63")	Ø 127.2 x 107 mm (Ø 5 x 4.2")	Ø 111 x 93 mm (Ø 4.4 x 3.7")	198 x 71 x 71 mm (7.8 x 2.8 x 2.8")
Weight		0.63 kg (1.39 lb)	0.85 kg (1.87 lb)	0.48 kg (1.06 lb)	0.42 kg (0.93 lb)
Ingress Protection		IP67		IP67	
Vandal Resistance		IK10 for metal casing		IK10 for metal casing	N/A

Note: 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).

AI Deep Learning IP Camera (Part 8 – 180° Panoramic Camera)

		GV-EBDP8800	GV-TBLP8800
Camera			
Image Sensor		1/2.7" progressive scan CMOS	
Picture Elements		3840 (H) x 2160 (V)	
Minimum Illumination	Color	0.01 Lux (F2.0, AGC ON)	
	B/W	N/A	
	IR ON	0 Lux	
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)	
White Balance		Auto / Manual	
Gain Control		Auto / Manual	
S/N Ratio		52 Db	
WDR Pro		Yes	
Dynamic Range		120 dB	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Triple streams	
Frame Rate		30 fps at 3840 x2160, 3072 x 1728, 2560 x 1440, 1920 x 1080	
Maximum throughput		50 Mbps	
Maximum stream *When the total bitrate is within the maximum throughput		20	
Audio Compression		G.711	
Audio Support		One-way audio	
Sensor Input		N/A	
Alarm Output		N/A	
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	
Focal Length		1.68 mm	
Maximum Aperture		F/2.0	
Mount		Ø12 mm	M12
Horizontal FOV		180°	
Operation	Fixed		
	Zoom	Fixed	
	Iris		
IR LED Quantity		2 IR LEDs	
Max. IR Distance		20 m (65 ft)	
Video Resolution			
Main Stream		3840 x 2160 (Default), 3072 x 1728, 2560 x 1440, 1920 x 1080	3840 x 2160 (Default), 3072 x 1728, 2560 x 1440, 1920 x 1080
Sub Stream		1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default), 704 x 288, 352 x 288	1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default), 704 x 288, 352 x 288
Third Stream (Closed by Default)		640 x 360, 352 x 288	640 x 360, 352 x 288
Network			
Interface		10/100 Ethernet	
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 75°	0° ~ 90°
	Rotate	0° ~ 360°	0° ~ 360°
Connectors	Power	DC Jack, PoE	
	Ethernet	RJ-45	
	Audio — Built-in microphone	Yes	Yes
	Audio — External microphone required	No	No
	Audio — Built-in speaker	No	No
	Audio — External speaker required	No	No
		*For devices with microphone or speaker, choose either the built-in or external option. *If equipped with an audio in port, it only supports microphones with power supply.	
	Digital I/O	N/A	
	Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10), Up to 256 GB *UHS-II card type is not supported.	
General			
Operating Temperature		-30°C ~ 60°C (-22°F ~ 140°F)	
Humidity		0 ~ 95% (no condensation)	
Power Source		12 V DC / PoE (IEEE802.3af)	
Max. Power Consumption		7 W	
Certification		CE, FCC, LVD, RoHS, UL compliant	
Dimensions		111 x 93 mm (4.4" x 3.7")	198 x 71 x 71 mm (7.8 x 2.8 x 2.8")
Weight		0.49 kg (1.06 lb)	0.42 kg (0.93 lb)
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	N/A

Note: 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).

AI Deep Learning IP Camera (Part 9)

		GV-BX2802	GV-BX4802
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	0.0028 Lux (F1.2, AGC ON)	0.0028 Lux (F1.2, AGC ON)
	B/W	0.002 Lux (F1.2, AGC ON)	0.001 Lux (AGC ON)
	IR ON	0 Lux	
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)	
White Balance		Automatic, Manual	
Gain Control		Automatic, Manual	
S/N Ratio		52 dB	
WDR		WDR Pro	
Dynamic Range		120 dB	
Day/Night		Yes (with removable IR-cut filter)	
Mount		CS Mount	
Iris		DC	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Triple streams	
Frame Rate		30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 352 x 240 / 480 x 240 (60 / 50 Hz) (H.265 / H.265+ / H.264 / H.264+) 20 fps at 1280 x 720, 30 fps at 704 x 480 / 352 x 240 / 480 x 240 (60 / 50 Hz) (MJPEG)	30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 352 x 240 / 480 x 240 (60 / 50 Hz)
Audio Compression		G.711	
Audio Support		Two-way Audio (external speaker required)	
Sensor Input		2 inputs, dry contact, NO / NC	
Alarm Output		2 relay outputs (30V DC, 1 A / 125V AC, 0.3A)	
Video Resolution			
Main Stream		1920 x 1080 (Default), 1280 x 720	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720
Sub Stream		1280 x 720 (Default), 704 x 480, 352 × 240	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720
Third Stream		704 x 480, 480 x 240, 352 × 240 (Default)	
Network			
Interface		10/100 Ethernet	
Mechanical			
Camera Angle Adjustment	Pan	N/A	
	Tilt	N/A	
	Rotate	N/A	
Connectors	Power	2-pin terminal block, PoE	
	Ethernet	RJ-45	
	Audio	1 In (built-in or external microphone), 1 Out (stereo phone jack, 3.5 mm / 0.14'')	
	Digital I/O	8-pin terminal block pitch 2.54 mm (0.1")	
	TV-out	BNC connector	
	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		12V DC / 24V AC / PoE (IEEE802.3af)	
Max. Power Consumption		11 W	
Certification		FCC, CE, RoHS compliant	
Dimensions		Ø 160.8 x 79 x 64 mm (Ø 6.33 x 3.11 x 2.52")	Ø 160.8 x 79 x 64 mm (Ø 6.33 x 3.11 x 2.52")
Weight		0.65 kg (1.43 lb)	0.65 kg (1.43 lb)
Ingress Protection		N/A	
Vandal Resistance		N/A	

Note:
1. Users need to purchase camera lens separately for GV-BX2802 / GV-BX4802.
2. The signal range and data throughput may vary depending on the network conditions and environmental factors.
3. Specifications are subject to change without notice.

AI Deep Learning IP Camera (Part 10)

		GV-RBL5800	GV-RBL5811	GV-REB5800
Camera				
Image Sensor		1/2.7" progressive scan super low lux CMOS	1/2.7" progressive scan super low lux CMOS	1/2.7" progressive scan super low lux CMOS
Picture Elements		2592 (H) x 1944 (V)	2592 (H) x 1944 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.003 Lux (F1.6, AGC ON)	0.005 Lux (F1.8, AGC ON)	0.003 Lux (F1.6, AGC ON)
	B/W	0 Lux	0 Lux	0 Lux
	IR ON	0 Lux	0 Lux	0 Lux
Shutter Speed		Auto / Manual (1/5 ~ 1/30000 sec)	Auto / Manual (1/5 ~ 1/30000 sec)	Auto / Manual (1/5 ~ 1/30000 sec)
White Balance		Automatic, Manual	Automatic, Manual	Automatic, Manual
Gain Control		Automatic, Manual	Automatic, Manual	Automatic, Manual
S/N Ratio		50 dB	50 dB	50 dB
WDR Pro		Yes	Yes	Yes
Dynamic Range		120 dB	120 dB	120 dB
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Mount		M12	Ø 14 mm	M12
Operation				
Video Compression		H.265, H.264	H.265, H.264	H.265, H.264
Video Streaming		Triple streams	Triple streams	Triple streams
Frame Rate		25 fps at 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA (50 Hz) 30 fps at 5 MP / 4 MP / 3 MP / 2 MP/ 960P / 720P / VGA / QVGA (60 Hz)	25 fps at 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA (50 Hz) 30 fps at 5 MP / 4 MP / 3 MP / 2 MP/ 960P / 720P / VGA / QVGA (60 Hz)	25 fps at 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA (50 Hz) 30 fps at 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA (60 Hz)
Audio Compression		G.711	G.711	G.711
Audio Support		One-way audio	Two-way audio (external microphone and speaker required)	One-way audio
Optical Lens				
Focal Length		3.6 mm	2.8 ~ 12 mm	2.8 mm
Horizontal FOV		79°	32° ~ 97°	97°
Operation	Focus	Fixed	Auto / Manual	Fixed
	Zoom	Fixed	4.3 Optical Zoom	Fixed
	Iris	Fixed	DC	Fixed
Video Resolution				
Main Stream		2592 x 1944 (Default), 2592 x 1520, 2048 x 1536, 2304 x 1296, 1920 x 1080, 1280 x 960	2592 x 1944 (Default), 2592 x 1520, 2048 x 1536, 2304 x 1296, 1920 x 1080, 1280 x 960	2592 x 1944 (Default), 2592 x 1520, 2048 x 1536, 2304 x 1296, 1920 x 1080, 1280 x 960
Sub Stream		1920 x 1080, 1280 x 720, 640 x 480 (Default)	1920 x 1080, 1280 x 720, 640 x 480 (Default)	1920 x 1080, 1280 x 720, 640 x 480 (Default)
Third Stream		640 x 480, 320 x 240	640 x 480, 320 x 240	640 x 480, 320 x 240
Network				
Interface		10/100 Ethernet	10/100 Ethernet	10/100 Ethernet
Mechanical				
Camera Angle Adjustment	Pan	0 ~ 360°	0 ~ 360°	3 ~ 360°
	Tilt	0 ~ 80°	0 ~ 80°	0 ~ 80°
	Rotate	0 ~ 360°	0 ~ 360°	3 ~ 360°
Connectors	Power	DC Jack, PoE	DC Jack, PoE	DC Jack, PoE
	Ethernet	RJ-45	RJ-45	RJ-45
	Audio	1 In (built-in microphone)	1 in (RCA), 1 out (RCA)	1 In (built-in microphone)
	Digital I/O	N/A	4-pin terminal block pitch 3.5 mm (0.14")	N/A
	Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10), up to 256 GB * UHS-II card type is not supported.		
General				
Operating Temperature		-35 ~ 60°C (-31 ~ 140°F)	-35 ~ 60°C (-31 ~ 140°F)	-35 ~ 60°C (-31 ~ 140°F)
Humidity		0 ~ 90% (no condensation)		
Power Source		12V DC / PoE (IEEE802.3af)	12V DC / PoE (IEEE802.3af)	DC 12V, 1 A / PoE (IEEE802.3af)
Max. Power Consumption		5.5 W	9.5 W	5.5 W
Certification		FCC, CE, RoHS compliant		
Dimensions		150.6 × 71.2 × 71.2 mm (5.93" x 2.8" x 2.8")	242.12 x 87.4 x 83.88 mm (9.53" x 3.44" x 3.3")	Ø 100 x 90 mm (Ø 3.9" x 3.5")
Weight		0.4 kg (0.88 lb)	0.81 kg (1.78 lb)	0.42 kg (0.91 lb)
Ingress Protection		IP67	IP67	IP67
Vandal Resistance		N/A	IK10 for metal casing	IK10 for metal casing

Note: 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).

		GV-GBL12811	GV- GBLF2802
Camera			
Image Sensor		1/1.7" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS
Picture Elements		4000 (H) x 3000 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.006 Lux (F1.4, AGC ON)	0.008 Lux (F1.6, AGC ON)
	B/W	N/A	N/A
	IR ON	0 Lux	0 Lux
Shutter Speed		Automatic, Manual (1/3 ~ 1/100000 sec)	Auto / Manual (1/3 ~ 1/100000 sec)
White Balance		Automatic, Manual	
Gain Control		Automatic, Manual	
S/N Ratio		50 dB	50 dB
WDR		Yes	WDR Pro
Dynamic Range		75 dB	120 dB
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Mount		Ø14	M12
Iris		DC	Fixed
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Five streams	Triple streams
Frame Rate		30 fps at 4000 x 3000 / 3840 x 2160 / 3200 x 1800 / 2688 x 1520 / 1920 x 1080 / 1280 x 960 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 4000 x 3000 / 3840 x 2160 / 3200 x 1800 / 2688 x 1520 / 1920 x 1080 / 1280 x 960 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz)	30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz) 25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)
Audio Compression		G.711	
Audio Support		Two-way Audio (external speaker required)	One-way audio
Sensor Input		1 Input, dry contact, NO / NC	N/A
Alarm Output		1 Relay Output (1A 30V DC / 0.3A 125V AC)	N/A
Video Resolution			
Main Stream		4000 x 3000 (Default), 3840 x 2160, 3200 x 1800, 2688 x 1520, 1920 x 1080	1920 x 1080 (Default), 1280 x 720
Sub Stream		1920 x 1080, 1280 x 960 (Default), 1280 x 720, 704 x 576,704 x 480, 640 x 360	704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288
Third Stream		1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 288, 352 × 240	704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288
Network			
Interface		10/100 Ethernet	
Mechanical			
Camera Angle Adjustment	Pan	0 ~ 360°	0 ~ 360°
	Tilt	0 ~ 90°	0 ~ 80°
	Rotate	0 ~ 360°	0 ~ 360°
Connectors	Power	DC Jack / PoE	DC Jack / PoE
	Ethernet	RJ-45	RJ-45
	Audio	1 In (built-in or external microphone), 1 Out (stereo phone jack, 3.5 mm / 0.14'')	1 In (built-in or external microphone)
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	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)	-30 ~ 60°C (-22 ~ 140°F)
Humidity		0 ~ 95% (no condensation)	0 ~ 95% (no condensation)
Power Source		12V DC, 1.5A / PoE (IEEE 802.3af)	12V DC, 1.5A / PoE (IEEE 802.3af)
Max. Power Consumption		12 W	6 W
Certification		CE, FCC, RoHS UKCA compliant	CE, FCC, RoHS UKCA compliant
Dimensions		272.3 x 94.9 x 88.9 mm (10.72 x 3.73 x 3.5")	165.7 × 69 × 69 mm (6.5" × 2.7" × 2.7")
Weight		1.12 kg (2.47 lb)	0.45 kg (0.992 lb)
Ingress Protection		IP67	IP67
Vandal Resistance		IK10	IK10

Note: Specifications are subject to change without notice.

	GV-TMEB5800		
Camera			
Image Sensor	Vanadium oxide uncooled focal plane detector		
Picture Elements	256 (H) x 192 (V) (the resolution of output image is 1280 x 720)		
Pixel Size	12 um		
Thermal Sensitivity	≤50 mK (@25°C, F#=1.0)		
Spectral Range	8 ~ 14 um		
Gain Control	Auto, Manual		
Operation			
Video Compression	H.265, H.264, MJPEG		
Video Streaming	Triple streams		
Frame Rate	Thermal	17 fps at 1280 x 720 / 704 x 480 / 352 x 240 / 480 x 240	
	Optical	30 fps at 2592 x 1944 / 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 352 x 240 / 480 x 240	
Image Setting	Brightness, Contrast, Saturation, Sharpness, Flicker-less, 3D Noise Reduction, Image Orientation		
Noise Reduction	Yes		
Audio Compression	G.711		
Audio Support	Two-way Audio		
Optical Lens			
Focal Length	3.2 mm		
Horizontal FOV	56°		
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
Observation Range			
Detection (1.5 pixels on target)	Human (0.75 m)	130 m (435 ft)	
	Car (2.3 m)	405 m (1340 ft)	
Recognition (6 pixels on target)	Human (0.75 m)	33 m (105 ft)	
	Car (2.3 m)	100 m (335 ft)	
Recognition (12 pixels on target)	Human (0.75 m)	17 m (55 ft)	
	Car (2.3 m)	50 m (165 ft)	
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	
	Tilt	0° ~ 75°	
	Rotate	0° ~ 360°	
Connectors	Power	DC Jack, PoE	
	Ethernet	RJ-45 cable	
	Audio	1 In (Audio In Wire)	
		1 In (built-in microphone)	
		1 Out (built-in speaker)	
	Digital I/O	4-pin terminal block pitch 3.81 mm (0.15")	
	Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card type is not supported.	
General			
Environment Temperature	-30°C ~ 60 °C (-22 °F ~ 140 °F)		
Humidity	0 ~ 95% (no condensation)		
Power Source	12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption	9 W		
Certification	CE, FCC, RoHS compliant		
Dimensions	Ø111.5 × 99.6 mm (Ø4.39" x 3.92")		
Weight	0.68 kg (1.5 lb)		

Note: 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).

AI Deep Learning IP Camera (Part 13 – Cloud Camera)

		GV-GEBF4911	GV-GEB4900
Camera			
Image Sensor		1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements		2592 (H) x 1520 (V)	2592 (H) x 1520 (V)
Minimum Illumination	Color	0.02 Lux (F1.4, AGC ON)	0.005 Lux (F1.6, AGC ON)
	B/W	N/A	N/A
	IR ON	N/A	0 Lux
Shutter Speed		Automatic / Manual (1/3 ~ 1/100000 sec)	Automatic / Manual (1/3 ~ 1/100000 sec)
White Balance		Automatic, Manual	Automatic, Manual
Gain Control		Automatic, Manual	Automatic, Manual
S/N Ratio		50 dB	50 dB
WDR		WDR Pro	WDR Pro
Dynamic Range		120 dB	120 dB
Operation			
Video Compression		H.265, H.265+, H.264, H.264+, MJPEG	H.265, H.265+, H.264, H.264+, MJPEG
Video Streaming		Triple streams	Triple streams
Frame Rate		30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 / 480 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 567 / 640 x 480 / 352 x 288 / 480 x 240 (50 Hz)	30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 /1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz)
Audio Compression		G.711	G.711
Audio Support		Two-way Audio	Two-way Audio (external speaker required)
Sensor Input		1 input, dry contact, NO / NC	N/A
Alarm Output		1 relay output (30V DC, 1 A / 125V AC, 0.3A)	N/A
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Lens Type		Motorized	Fixed
Focal Length		2.8 ~ 12 mm	2.8 mm
Maximum Aperture		F/1.4	F/1.6
Mount		Φ14	M12
Horizontal FOV		96° - 32.33°	95.3°
Operation	Focus	Auto / Manual	Fixed
	Zoom	4.3x	Fixed
	Iris	DC	Fixed
Active Deterrence		1 red and blue LED	N/A
IR LED Quantity		1 IR LED	1 IR LED
Max. IR Distance		40 m (130 ft)	30 m (100 ft)
White LED Quantity		1 Warm LED	N/A
Max. White Light Distance		40 m (130 ft)	N/A
Video Resolution			
Main Stream		2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080
Sub Stream		1280 x 720 (Default), 704 x 480, 640 x 480, 352 x 240	1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 240
Third Stream		704 x 480, 640 x 480, 352 x 240, 480 x 240	1280 x 720 (Default), 704 x 576, 704 x 480, 480 x 240, 352 × 240
Network			
Interface		10/100 Ethernet	10/100 Ethernet
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	0° ~ 360°
	Tilt	0° ~ 75°	0° ~ 75°
	Rotate	0° ~ 360°	0° ~ 360°
Connectors	Power	DC Jack, PoE	DC Jack, PoE
	Ethernet	RJ-45	RJ-45
	Audio	1 In (built-in speaker and microphone, or external microphone and speaker with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14")	1 In (built-in microphone, or external microphone and speaker with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	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 / SDXC / UHS-I, Class 10) *UHS-II card type is not supported.
General			
Operating Temperature		-30 ~ 60°C (-22 ~ 140°F)	-30 ~ 60°C (-22 ~ 140°F)
Humidity		0 ~ 95% (no condensation)	0 ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE802.3af)	DC 12V, 1A / PoE (IEEE 802.3af)
Max. Power Consumption		12 W	7 W
Certification		FCC, CE, RoHS, UL compliant	FCC, CE, RoHS compliant
Dimensions		Ø 111.6 x 99.3 mm (Ø 4.39" x 3.91")	Ø 94.6 x 82.8 mm (Ø 3.72" x 3.26")
Weight		0.64 kg (1.41 lb)	0.46 kg (1.01 lb)
Ingress Protection		IP66	IP67
Vandal Resistance		IK10 for metal casing	IK10 for metal casing

Note: 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).

July 11, 2024

AI Deep Learning IP Camera (Part 14 – Cloud Camera)

	GV-GDR4900	GV-GVD4910
Camera		
Image Sensor	1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements	2592 (H) x 1520 (V)	2592 (H) x 1520 (V)
Minimum Illumination — Color	0.005 Lux (F1.6, AGC ON)	0.003 Lux (F1.3, AGC ON)
Minimum Illumination — B/W	N/A	N/A
Minimum Illumination — IR ON	0 Lux	0 Lux
Shutter Speed	Automatic / Manual (1/3 ~ 1/100000 sec)	Automatic, Manual (1/3 ~ 1/100000 sec)
White Balance	Automatic, Manual	Automatic, Manual
Gain Control	Automatic, Manual	Automatic, Manual
S/N Ratio	50 dB	50 dB
WDR	WDR Pro	WDR Pro
Dynamic Range	120 dB	120 dB
Operation		
Video Compression	H.265, H.265+, H.264, H.264+, MJPEG	H.265, H.265+, H.264, H.264+, MJPEG
Video Streaming	Triple streams	Triple streams
Frame Rate	30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz)	30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz)
Audio Compression	G.711	G.711
Audio Support	Two-way Audio (external speaker required)	Two-way Audio (external speaker required)
Sensor Input	1 Input, dry contact, NO / NC	1 Input, dry contact, NO / NC
Alarm Output	1 Relay Output (30V DC, 1A / 125V AC, 0.3A)	1 Relay Output (30V DC, 1A / 125V AC, 0.3A)
Optical Lens		
Day/Night	Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Lens Type	Fixed	Motorized
Focal Length	2.8 mm	2.8 – 12 mm
Maximum Aperture	F/1.6	F/1.3
Mount	M12	Ø14
Horizontal FOV	95.3°	100° - 28.9°
Operation — Focus	Fixed	Auto / Manual
Operation — Zoom	Fixed	4.3x
Operation — Iris	Fixed	DC
IR LED Quantity	2 IR LEDs	3 IR LEDs
Max. IR Distance	20 m (65 ft)	50 m (165 ft)
Video Resolution		
Main Stream	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080
Sub Stream	1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 240	1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 288, 352 × 240
Third Stream	1280 x 720 (Default), 704 x 576, 704 x 480, 480 x 240, 352 x 240	1280 x 720 (Default), 704 x 576, 704 x 480, 480 x 240, 352 x 288, 352 × 240
Network		
Interface	10/100 Ethernet	10/100 Ethernet
Mechanical		
Camera Angle Adjustment — Pan	0° ~ 360°	0 ~ 345°
Camera Angle Adjustment — Tilt	0° ~ 75°	0 ~ 77°
Camera Angle Adjustment — Rotate	0° ~ 350°	0 ~ 345°
Connectors — Power	DC Jack, PoE	DC Jack, PoE
Connectors — Ethernet	RJ-45	RJ-45
Connectors — Audio	1 In (built-in microphone, external speaker required with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14")	1 In (Built-in microphone, external speaker required with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14")
Connectors — Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	4-pin terminal block pitch 3.5 mm (0.14")
Connectors — 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.
General		
Operating Temperature	-30 ~ 60°C (-22 ~ 140°F)	-30 ~ 60°C (-22 ~ 140°F)
Humidity	0 ~ 95% (no condensation)	0 ~ 95% (no condensation)
Power Source	DC 12V, 1A / PoE (IEEE 802.3af)	DC 12V / PoE (IEEE 802.3af)
Max. Power Consumption	5.5 W	9 W
Certification	FCC, CE, RoHS compliant	CE, FCC, RoHS, UKCA compliant
Dimensions	Ø 110.4 x 62 mm (Ø 4.3 x 2.4")	Ø141 x 100.2 mm (Ø5.55 x 3.94")
Weight	0.42 kg (0.93 lb)	0.93 kg (2.05 lb)
Ingress Protection	IP67	IP67
Vandal Resistance	IK10 for metal casing	IK10

Note: 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).

AI Deep Learning IP Camera (Part 15 – Cloud Camera)

		GV-GBL4900	GV-GBL4911
Camera			
Image Sensor		1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS
Picture Elements		2592 (H) x 1520 (V)	2592 (H) x 1520 (V)
Minimum Illumination	Color	0.005 Lux (F1.6, AGC ON)	0.005 Lux (F1.6, AGC ON)
	B/W	N/A	N/A
	IR ON	0 Lux	0 Lux
Shutter Speed		Automatic / Manual (1/3 ~ 1/100000 sec)	Automatic, Manual (1/3 ~ 1/100000 sec)
White Balance		Automatic, Manual	Automatic, Manual
Gain Control		Automatic, Manual	Automatic, Manual
S/N Ratio		50 dB	50 dB
WDR		WDR Pro	WDR Pro
Dynamic Range		120 dB	120 dB
Operation			
Video Compression		H.265, H.265+, H.264, H.264+, MJPEG	H.265, H.265+, H.264, H.264+, MJPEG
Video Streaming		Triple streams	Triple streams
Frame Rate		30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz)	30 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 240 (60 Hz) 25 fps at 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 640 x 360 / 480 x 240 / 352 x 288 (50 Hz)
Audio Compression		G.711	G.711
Audio Support		Two-way Audio (external speaker required)	Two-way Audio (external speaker required)
Sensor Input		1 Input, dry contact, NO / NC	1 Input, dry contact, NO / NC
Alarm Output		1 Relay Output (30V DC, 1A / 125V AC, 0.3A)	1 Relay Output (30V DC, 1A / 125V AC, 0.3A)
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	Yes (with removable IR-cut filter)
Lens Type		Fixed	Motorized
Focal Length		2.8 mm	2.8 – 12 mm
Maximum Aperture		F/1.6	F/1.3
Mount		M12	Ø14
Horizontal FOV		95.3°	100° - 28.9°
Operation	Focus	Fixed	Auto / Manual
	Zoom	Fixed	4.3x
	Iris	Fixed	DC
IR LED Quantity		2 IR LEDs	4 IR LEDs
Max. IR Distance		50 m (165 ft)	70 m (230 ft)
Video Resolution			
Main Stream		2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080	2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080
Sub Stream		1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 288, 352 x 240	1280 x 720 (Default), 704 x 576, 704 x 480, 640 x 480, 640 x 360, 480 x 240, 352 x 288, 352 × 240
Third Stream		1280 x 720 (Default), 704 x 576, 704 x 480, 480 x 240, 352 x 288, 352 × 240	1280 x 720 (Default), 704 x 576, 704 x 480, 480 x 240, 352 x 288, 352 × 240
Network			
Interface		10/100 Ethernet	10/100 Ethernet
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 360°	0 ~ 360°
	Tilt	0° ~ 90°	0 ~ 90°
	Rotate	0° ~ 360°	0 ~ 360°
Connectors	Power	DC Jack, PoE	DC Jack, PoE
	Ethernet	RJ-45	RJ-45
	Audio	1 In (Built-in microphone, external speaker required with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14")	1 In (Built-in microphone, external speaker required with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")	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.	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)	-30 ~ 60°C (-22 ~ 140°F)
Humidity		0 ~ 95% (no condensation)	0 ~ 95% (no condensation)
Power Source		DC 12V, 1A / PoE (IEEE 802.3af)	DC 12V / PoE (IEEE 802.3af)
Max. Power Consumption		10 W	12.5 W
Certification		FCC, CE, RoHS, UKCA compliant	CE, FCC, RoHS, UKCA compliant
Dimensions		218.1 x 70.4 x 79.5 mm (8.58 x 2.77 x 3.12")	272.3 x 94.9 x 88.9 mm (10.72 x 3.73 x 3.5")
Weight		0.67 kg (1.48 lb)	0.93 kg (2.05 lb)
Ingress Protection		IP67	IP67
Vandal Resistance		IK10 for metal casing	IK10 for metal casing

Note: 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).

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AI Deep Learning IP Camera (Part 16 – Dual-Sensor Camera)

		GV-TMS8800	
Camera			
Image Sensor		1/3" progressive scan super low lux CMOS	
Picture Elements		2688 (H) x 1520 (V)	
Minimum Illumination	Color	0.002 Lux (F1.6, AGC ON)	
	B/W	N/A	
	IR ON	0 Lux	
Shutter Speed		Automatic / Manual (1 ~ 1/100000 sec)	
White Balance		Automatic, Manual	
Gain Control		Automatic, Manual	
S/N Ratio		52 dB	
WDR		WDR Pro	
Dynamic Range		130 dB	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Triple streams	
Frame Rate		25 fps at 2688 x 1520, 2560 x 1440, 30 fps at 2304 x 1296, 1920 x 1080, 1280 x 720 (60 / 50 Hz)	
Audio Compression		G.711	
Audio Support		Two-way Audio (external microphone and speaker required)	
Sensor Input		1 Input, dry contact, NO / NC	
Alarm Output		1 Relay Output (30V DC, 1A / 125V AC, 0.3A)	
Optical Lens			
Day/Night		Yes (with removable IR-cut filter)	
Lens Type		Fixed	
Focal Length		2.8 mm	
Maximum Aperture		F/1.6	
Mount		Ø 12 mm	
Horizontal FOV		97.7°	
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
IR LED Quantity		2 IR LEDs	
Max. IR Distance		30 m (100 ft)	
Video Resolution			
Main Stream		2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720	
Sub Stream		1280 x 720, 720 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288	
Third Stream		720 x 576, 704 x 288, 640 x 360, 352 x 288	
Network			
Interface		10/100 Ethernet	
Mechanical			
Camera Angle Adjustment	Pan	0° ~ 180°	
	Tilt	0° ~ 66°	
	Rotate	0° ~ 346°	
Connectors	Power	DC Jack, PoE	
	Ethernet	RJ-45	
	Audio	Built-in microphone	Yes
		External microphone required	Yes (3-pin terminal block)
		Built-in speaker	No
		External speaker required	Yes (3-pin terminal block)
		*Choose either the built-in or external microphone. *The audio in port only supports microphones with power supply.	
	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.	
General			
Operating Temperature		-30 ~ 60°C (-22 ~ 140°F)	
Humidity		0 ~ 95% (no condensation)	
Power Source		DC 12V, 1.25A / PoE (IEEE 802.3af)	
Max. Power Consumption		9.1 W	
Certification		FCC, CE, RoHS, UKCA compliant	
Dimensions		176 × 104 × 72 mm (6.9" × 4.1'' × 2.8")	
Weight		0.62 kg (1.37 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	

Note: 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).

AI Deep Learning IP Camera (Part 17 – Quad-Sensor Camera)

	GV-RMS32810
Camera	
Image Sensor	1/1.8" progressive scan super low lux CMOS
Picture Elements	3840 (H) x 2160 (V)

Minimum Illumination	Color	0.006 Lux (F1.2, AGC ON)
	B/W	0.002 Lux
	IR ON	0 Lux

Shutter Speed	Automatic / Manual (1/5 ~ 1/20000 sec)
White Balance	Automatic, Manual
Gain Control	Automatic, Manual
S/N Ratio	50 dB
WDR	WDR Pro
Dynamic Range	120 dB
Operation	
Video Compression	H.265, H.264
Video Streaming	Dual streams
Frame Rate	25 fps at 3840 x 2160, 3072 x1728, 2592 x 1944, 2592 x 1520, 2304 x 1296, 1920 x 1080, 1280 x 960, 1280 x 720 (60 / 50 Hz)
Audio Compression	G.711
Audio Support	Two-way Audio (external microphone and speaker required)
Sensor Input	2 Input, dry contact, NO / NC
Alarm Output	2 Relay Output (30V DC, 2A / 125V AC, 0.5A)
Optical Lens	
Day/Night	Yes (with removable IR-cut filter)
Lens Type	Motorized varifocal
Focal Length	2.8 ~ 12 mm
Maximum Aperture	F/1.30
Mount	∅ 16.7 mm
Horizontal FOV	48° ~ 112°

Operation	Focus	Auto / Manual
	Zoom	4.3x Optical Zoom
	Iris	DC

IR LED Quantity	8 IR LEDs
Max. IR Distance	30 m (100 ft)
Warm LED Quantity	8 Warm LEDs
Max. Warm LED Light Distance	15 m (50 ft)
Video Resolution	
Main Stream	3840 x 2160 (Default), 3072 x1728, 2592 x 1944, 2592 x 1520, 2304 x 1296, 1920 x 1080, 1280 x 960, 1280 x 720
Sub Stream	1280 x 720 (Default), 640 x 480, 320 x 240
Network	
Interface	10/100/1000 Ethernet
Mechanical	

Camera Angle Adjustment	Pan	-60° ~ 60°
	Tilt	0° ~ 90°
	Rotate	0° ~ 355°

Connectors	Power	DC Jack, High PoE (IEEE802.3bt, 60 W)	
	Ethernet	RJ-45	
	Audio	Built-in microphone	No
		External microphone required	Yes (RCA)
		Built-in speaker	No
		External speaker required	Yes (RCA)
		*The Audio In port only support microphones with power supply.	
	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.	

General	
Operating Temperature	-30 ~ 55°C (-22 ~ 131°F)
Humidity	0 ~ 90% (no condensation)
Power Source	DC 12V, AC 24V / High PoE (IEEE802.3bt, 60 W)
Max. Power Consumption	43 W
Certification	FCC, CE, RoHS compliant
Dimensions	∅ 300 mm × 175.31 mm (11.8" x 6.9")
Weight	4.6 kg (10.1 lb)
Ingress Protection	IP67
Vandal Resistance	IK10 for metal casing

Note: 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).

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