












### GV-IPCam H.264 Series: Box Camera Specifications






		GV-BX110D		GV-BX120D	GV-BX120DW	GV-BX130D		GV-BX220D Series		GV-BX320D Series		GV-BX520D	
		1.3M D/N (Fixed Lens)	1.3M D/N (Varifocal Lens)	1.3M D/N Low Lux	1M D/N WDR	1.3M D/N (Fixed Lens)	1.3M D/N (Varifocal Lens)	2M D/N		3M D/N		5M D/N	
													
<b>Camera</b>													
<b>Image Sensor</b>		1/3" progressive scan CMOS		1/3" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.5" progressive scan CMOS							
<b>Picture Elements</b>		1280 (H) x 1024 (V)		1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	1 Lux (1/60 s), 0.1 Lux (1/5 s) (F/1.4, AGC-ON, slow shutter-off)		0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)		1 Lux (1/30 sec), 0.5 Lux (1/5 sec)							
	<b>B/W</b>	0.1 Lux (1/60 s), 0.05 Lux (1/5 s) (F/1.4, AGC-ON, slow shutter-off)		0.08 Lux (1/30 sec), 0.04Lux (1/5 sec)		0.2 Lux (1/30 sec), 0.1 Lux (1/5 sec)							
	<b>IR ON</b>	0 Lux (1/60 s) (F/1.4, AGC-ON, slow shutter-off)		0 Lux									
<b>Shutter Speed</b>		Auto (Balanced, Speed Priority, Quality, Priority), Manual (1/5 ~ 1/4000sec.)				Auto, Manual (1/5 ~ 1/8000 sec)							
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				Auto, Manual (2800K ~ 8500K)							
<b>BLC</b>		No				Yes							
<b>Operation</b>													
<b>Video Compression</b>		H.264, MPEG4, MJPEG				H.264, MPEG4, MJPEG							
<b>Video Streaming</b>		Dual streams from two of H.264, MPEG4 and MJPEG				Stream 1 from H.264 and MJPEG Stream 2 from H.264, MPEG4 and MJPEG							
<b>Frame Rate</b>		15 fps at 1280 x 1024, 30 fps at 640 x 512		30 fps at 1280 x 1024	30 fps at 1280 x 720	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536		10 fps at 2560 x 1920	
<b>Audio compression</b>		G.711				G.711 / AAC							
<b>Digital Input</b>		Wet Contact, 7V ~ 30V				Dry Contact							
<b>Relay Output</b>		277V AC 5A (NO), 3A (NC) 30V DC 5A (NO), 3A (NC)				Digital Output							
<b>Optics Lens</b>													
<b>Megapixel</b>		Yes				Yes							
<b>Day/Night Support (with removable infrared-cut filter)</b>		Yes				Yes							
<b>Lens Type</b>		Fixed Lens		Varifocal Lens		Varifocal Lens							
<b>Focal Length</b>		4.0 mm	4 ~ 9 mm	2.8 ~ 12 mm	4.5 ~ 10 mm	4.0 mm	2.8 ~ 12 mm	GV-BX220D-0	2.8~8.5 mm	GV-BX320D-0	3.1 ~ 8 mm	4.5 ~ 10 mm	
<b>Max Aperture</b>		F/1.5	F/1.4	F/1.4	F/1.6	F/1.5	F/1.4	GV-BX220D-1	3.1 ~ 8 mm	GV-BX320D-1	2.8 ~ 6 mm		
								GV-BX220D-2	2.8 ~ 12 mm	GV-BX320D-0	F/1.2		
								GV-BX220D-3	F/1.4	GV-BX320D-1	F/1.3	F/1.6	
								GV-BX220D-0	F/1.4	GV-BX320D-0	F/1.2		
								GV-BX220D-1	F/1.3	GV-BX320D-1	F/1.3		
								GV-BX220D-2	F/1.3	GV-BX320D-1	F/1.3		
								GV-BX220D-3	F/1.4	GV-BX320D-1	F/1.3		
<b>Mount</b>		CS Mount				CS Mount							
<b>Image Format</b>		1/3"		1/3"	1/2"	1/3"		1/2"					
<b>Angle of view</b>	<b>Diagonal</b>	80.4°	60° ~ 30° (Horizontal)	115° ~ 45.3°	102° ~ 46.5°	80.4°	115° ~ 45.3°	GV-BX220D-0	94.45° ~ 32.47°	GV-BX320D-0	108.70° ~ 41.21°	102° ~ 46.5°	
								GV-BX220D-1	108.70° ~ 41.21°	GV-BX320D-1	No		
								GV-BX220D-2	No	GV-BX320D-0	86.96° ~ 32.97°		
	<b>Horizontal</b>	65.4°	92° ~ 27.2°	80.5° ~ 37°	65.4°	92° ~ 27.2°	65.4°	92° ~ 27.2°	GV-BX220D-3	115° ~ 45.3°	GV-BX320D-1	101.11° ~ 46.58°	80.5° ~ 37°
									GV-BX220D-0	82.32° ~ 28.30°	GV-BX320D-0	86.96° ~ 32.97°	
									GV-BX220D-1	86.96° ~ 32.97°	GV-BX320D-1	101.11° ~ 46.58°	
<b>Vertical</b>	49.9°	69° ~ 20.4°	60° ~ 28°	49.9°	69° ~ 20.4°	49.9°	69° ~ 20.4°	GV-BX220D-0	46.31° ~ 15.92°	GV-BX320D-0	65.22° ~ 24.73°	60° ~ 28°	
								GV-BX220D-1	65.22° ~ 24.73°	GV-BX320D-1	74.10° ~ 35.09°		
								GV-BX220D-2	74.10° ~ 35.09°	GV-BX320D-1	74.10° ~ 35.09°		
<b>Operation</b>		<b>Focus</b>	Yes	manual w/lock				manual w/lock					
		<b>Zoom</b>	No	manual w/lock		No		manual w/lock					
		<b>Iris</b>	Fixed	DC Drive		Fixed		DC Drive					
<b>Mechanical</b>													
<b>Lens Mounting</b>		C / CS-Mount				CS-Mount							
<b>Camera Angle Adjustment</b>		No				No							
<b>Temperature Detector</b>		No				Yes							
<b>Power</b>		DC Jack, PoE				Terminal block (2 pin), PoE							
<b>Ethernet</b>		Ethernet(10/100 Base-T), RJ-45 Connector				Ethernet(10/100 Base-T), RJ-45 Connector							
<b>Audio</b>		1 In (built-in or external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)				1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)							
<b>Digital I/O</b>		5-pin terminal block, pitch 3.5 mm / 0.14 in				3-pin terminal block, pitch 2.5 mm / 0.1 in							
<b>Auto Iris</b>		DC drive				DC drive							
<b>Local Storage</b>		Micro SD/SDHC memory card slot				Micro SD/SDHC memory card slot							
<b>TV-Out</b>		BNC connector				BNC connector							
<b>General</b>													
<b>Operating Temperature</b>		0°C ~ 50°C / 32 °F ~ 122 °F				0°C ~ 50°C / 32 °F ~ 122 °F							
<b>Humidity</b>		10% to 90% (no condensation)				10% to 90% (no condensation)							
<b>Power Source</b>		12V DC / PoE(IEEE802.3af)				12V DC / PoE(IEEE802.3af)							
<b>Power Consumption</b>		7.2 W (max. 600mA at 12V DC)				5 W (max. 416mA at 12V DC)							
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant				CE, FCC, C-Tick, RoHS compliant							
<b>Dimension (L X W X H)</b>		115 x 65 x 60 mm / 4.52 x 2.55 x 2.36 in				75.5 x 75 x 54 mm / 3.05 x 2.95 x 2.13 in (without lens)							
<b>Weight</b>		450 / 0.99				321 g / 0.71 lb							
<b>IP66</b>		No				No							

**Note:**

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.



**GV-IPCam H.264 Series: Bullet Camera Specifications**







		GV-BL110D	GV-BL120D	GV-BL130D	GV-BL220D	GV-BL320D
		1.3M IR	1.3M Low Lux IR	1.3M IR	2M IR	3M IR
						
<b>Camera</b>						
<b>Image Sensor</b>		1/3" progressive scan CMOS			1/2.5" progressive scan CMOS	
<b>Picture Elements</b>		1280 (H) x 1024 (V)			1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	<b>Color</b>	1 Lux (1/60 s), 0.1 Lux (1/5 s) (30 IRE, F/1.3, AGC-ON, slow shutter-off)	0.15Lux (1/30 sec), 0.08Lux (1/5 sec)	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		
	<b>B/W</b>	0 Lux (1/60 s) (50 IRE, F/1.4, AGC-ON, slow shutter-off.)	0 Lux			
	<b>IR ON</b>					
<b>Shutter Speed</b>		Auto (Balanced, Speed Priority, Quality Priority), Manual (1/5 ~ 1/4000 sec)		Auto, Manual (1/5 ~ 1/8000sec)		
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)				
<b>BLC</b>		No	Yes			
<b>Operation</b>						
<b>Video Compression</b>		H.264, MPEG4, MJPEG				
<b>Video Streaming</b>		Dual Streams from H.264, MPEG4 and MJPEG	Stream 1 from H.264 and MJPEG Stream 2 from H.264, MPEG4 and MJPEG			
<b>Frame Rate</b>		15 fps at 1280 x 1024, 30 fps at 640 x 512	30 fps at 1280 x 1024		30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio compression</b>		G.711 / AAC				
<b>Digital Input</b>		Dry Contact				
<b>Relay Output</b>		Digital output				
<b>Optics Lens</b>						
<b>Megapixel</b>		Yes				
<b>Day/Night Support (with removable infrared-cut filter)</b>		Yes (Built-in IR LED 15M)				
<b>Lens Type</b>		Varifocal Lens				
<b>Focal Length</b>		3.6 ~ 9 mm				
<b>Max Aperture</b>		F/1.3 ± 5%				
<b>Mount</b>		Ø14 mm				
<b>Image Format</b>		1/3"				
<b>Angle of view</b>	<b>Diagonal</b>	93° ~ 38° ± 5°	94.5° ~ 38.2° ± 5°	76° ~ 32° ± 5°	76° ~ 32° ± 5°	88.8° ~ 36.3° ± 5°
	<b>Horizontal</b>	73° ~ 30.4° ± 5°	73.9° ~ 29.8° ± 5°	66° ~ 27.9° ± 5°	66° ~ 27.9° ± 5°	71.0° ~ 29.0° ± 5°
	<b>Vertical</b>	56.6° ~ 23° ± 5°	59.0° ~ 23.9° ± 5°	37.3° ~ 15.7° ± 5°	37.3° ~ 15.7° ± 5°	53.3° ~ 21.8° ± 5°
<b>Operation</b>	<b>Focus</b>	manual w/lock				
	<b>Zoom</b>	manual w/lock				
	<b>Iris</b>	DC Drive				
<b>IR LED Quantity</b>		16 IR LEDs				
<b>IR Distance</b>		15 m / 50 ft. (Max.)				
<b>Mechanical</b>						
<b>Lens Mounting</b>		Ø14 mm				
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 360°				
	<b>Tilt</b>	90° ~ 180°				
	<b>Rotate</b>	0° ~ 360°				
<b>Temperature Detector</b>		Yes				
<b>Connectors</b>	<b>Power</b>	Terminal block (3 pin), PoE				
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Cable				
	<b>Audio</b>	1 In (RCA female for microphone)				
		1 Out(RCA female for speaker)				
	<b>Digital I/O</b>	I/O Wire				
	<b>Auto Iris</b>	DC Drive				
<b>Local Storage</b>	Micro SD/SDHC memory card slot					
<b>TV-Out</b>	No					
<b>General</b>						
<b>Operating Temperature</b>		-20°C ~ 50°C / -4°F ~ 122°F				
<b>Humidity</b>		10% to 90% (no condensation)				
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)				
<b>Power Consumption</b>		12W (max.1A at12V DC)				
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant				
<b>Dimension (L X W X H)</b>		277.5 x 148.95 x 87.75 mm / 10.9 x 5.86 x 3.45 in				
<b>Weight</b>		1.35 kg / 2.98 lb				
<b>IP66</b>		Yes				

Note:  
1. Product design and specifications are subject to change without notice.

2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).



### GV-IPCam H.264 Series: Vandal Proof Dome and Fixed Dome Specifications









		GV-VD120D (IK10+, Transparent Cover) GV-VD121D (IK10+, Smoked Cover) GV-VD122D (Transparent Cover) GV-VD123D (Smoked Cover)	GV-VD220D (IK10+, Transparent Cover) GV-VD221D (IK10+, Smoked Cover) GV-VD222D (Transparent Cover) GV-VD223D (Smoked Cover)	GV-VD320D (IK10+, Transparent Cover) GV-VD321D (IK10+, Smoked Cover) GV-VD322D (Transparent Cover) GV-VD323D (Smoked Cover)	GV-FD120D	GV-FD220D	GV-FD320D
		1.3M Low Lux IR	2M IR	3M IR	1.3M Low Lux IR	2M IR	3M IR
							
<b>Camera</b>							
<b>Image Sensor</b>		1/3" progressive scan CMOS		1/2.5" progressive scan CMOS		1/3" progressive scan CMOS	1/2.5" progressive scan CMOS
<b>Picture Elements</b>		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
<b>Minimum Illumination</b>	<b>Color</b>	0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)		1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)
	<b>B/W</b>	0 Lux					
	<b>IR ON</b>	0 Lux					
<b>Shutter Speed</b>		Auto, Manual (1/5 ~ 1/8000 sec)					
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)					
<b>BLC</b>		Yes					
<b>Operation</b>							
<b>Video Compression</b>		H.264, MPEG4, MJPEG					
<b>Video Streaming</b>		Stream 1 from H.264 and MJPEG Stream 2 from H.264, MPEG4 and MJPEG					
<b>Frame Rate</b>		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536
<b>Audio compression</b>		G.711 / AAC					
<b>Digital Input</b>		Dry Contact					
<b>Relay Output</b>		Digital output					
<b>Optics Lens</b>							
<b>Megapixel</b>		Yes					
<b>Day/Night Support (with removable infrared-cut filter)</b>		Yes (Built-in IR LED 15M)					
<b>Lens Type</b>		Varifocal Lens					
<b>Focal Length</b>		2.7 ~ 9 mm					
<b>Max Aperture</b>		F/1.3 ± 5%					
<b>Mount</b>		Ø14 mm					
<b>Image Format</b>		1/3"					
<b>Angle of view</b>	<b>Diagonal</b>	126° ~ 38.2° ± 5°	101° ~ 32° ± 5°	118.4° ~ 36.3° ± 5°	126° ~ 38.2° ± 5°	101° ~ 32° ± 5°	101° ~ 32° ± 5°
	<b>Horizontal</b>	98.5° ~ 29.8° ± 5°	88° ~ 27.9° ± 5°	94.7° ~ 29.0° ± 5°	98.5° ~ 29.8° ± 5°	88° ~ 27.9° ± 5°	88° ~ 27.9° ± 5°
	<b>Vertical</b>	78.7° ~ 23.9° ± 5°	49.7° ~ 15.7° ± 5°	71.1° ~ 21.8° ± 5°	78.7° ~ 23.9° ± 5°	49.7° ~ 15.7° ± 5°	49.7° ~ 15.7° ± 5°
<b>Operation</b>	<b>Focus</b>	manual w/lock					
	<b>Zoom</b>	manual w/lock					
	<b>Iris</b>	DC Drive					
<b>IR LED Quantity</b>		15 IR LEDs					
<b>IR Distance</b>		15 m / 50 ft. (Max.)					
<b>Mechanical</b>							
<b>Lens Mounting</b>		Ø14 mm					
<b>Camera Angle Adjustment</b>	<b>Pan</b>	0° ~ 340°					
	<b>Tilt</b>	-10° ~ 90°					
	<b>Rotate</b>	0° ~ 360°					
<b>Temperature Detector</b>		Yes					
<b>Connectors</b>	<b>Power</b>	Terminal block (3 pin), PoE			Terminal block (2 pin), PoE		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Cable					
	<b>Audio</b>	1 In (RCA female for microphone) 1 Out (RCA female for speaker)			1 In (microphone phone jack, 3.5mm / 0.14 in) 1 Out (Stereo phone jack, 3.5mm / 0.14 in)		
	<b>Digital I/O</b>	I/O Wire			3-pin terminal block, pitch 2.5 mm		
	<b>Auto Iris</b>	DC drive					
	<b>Local Storage</b>	Micro SD/SDHC memory card slot					
<b>TV-Out</b>		BNC connector					
<b>General</b>							
<b>Operating Temperature</b>		-20°C ~ 50°C / -4°F ~ 122°F			0°C ~ 50°C / 32°F ~ 122°F		
<b>Humidity</b>		10% to 90% (no condensation)					
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)					
<b>Power Consumption</b>		12W (max.1A at 12V DC)					
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant					
<b>Dimension (L X W X H)</b>		ø 165 x 125 mm / 6.49 x 4.92 in			ø 155 x 110 mm / 6.1 x 4.33 in		
<b>Weight</b>		1.7 kg / 3.75 lb			580 g / 1.28 lb		
<b>IP66</b>		Yes			No		

**Note:**

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.



**GV-IPCam H.264 Series: Mini Fixed Dome and Cube Camera Specifications**




	GV-MFD110	GV-MFD120	GV-MFD130	GV-MFD220	GV-MFD320	GV-MFD520	GV-CB120	GV-CB220	
	1.3M	1.3M Low Lux	1.3M	2M	3M	5M	1.3M	2M	
									
<b>Camera</b>									
<b>Image Sensor</b>	1/3" progressive scan CMOS			1/2.5" progressive scan CMOS					
<b>Picture Elements</b>	1280 (H) x 1024 (V)			1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	
<b>Minimum Illumination</b>	<b>Color</b>	1.5 Lux (1/60s), 0.2 Lux (1/5s) (30 IRE, F1.8, AGC-ON, slow shutter-off)	0.15 Lux (1/30 sec), 0.08 Lux (1/5 sec)	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)			1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		
	<b>B/W</b>	No			No			No	
<b>IR ON</b>	No								
<b>Shutter Speed</b>	Auto (Balanced, Speed Priority Quality Priority), Manual (1/5 ~ 1/4000sec)			Auto (Balanced, Speed Priority, Quality Priority), Manual (1/5 ~ 1/8000 sec)					
<b>White Balance</b>	Auto, Manual (2800K ~ 8500K)								
<b>BLC</b>	No			Yes					
<b>Operation</b>									
<b>Video Compression</b>	H.264, MPEG4, MJPEG			H.264, MPEG4, MJPEG					
<b>Video Streaming</b>	Dual streams from H.264, MPEG4 and MJPEG			Stream 1 from H.264 and MJPEG Stream 2 from H.264, MPEG4 and MJPEG					
<b>Frame Rate</b>	15 fps at 1280 x 1024, 30 fps at 640 x 512	30 fps at 1280 x 1024	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1280 x 1024	30 fps at 1920 x 1080	
<b>Audio compression</b>	G.711			G.711 / AAC					
<b>Digital Input</b>	No			No					
<b>Relay Output</b>	No			No					
<b>Optics Lens</b>									
<b>Megapixel</b>	Yes			Yes					
<b>Day/Night Support (with removable infrared-cut filter)</b>	No			No					
<b>Lens Type</b>	Fixed Lens			Fixed Lens					
<b>Focal Length</b>	3.6 mm	4.05 mm		2.54 mm			3.35 mm		
<b>Max Aperture</b>	F/1.8	F/1.5		F/2.8			F/2.4		
<b>Mount</b>	M12, Pitch 0.5 mm			M12, Pitch 0.5 mm			M12 mm		
<b>Image Format</b>	1/3"		1/3"	1/2.5"			1/3"		
<b>Angle of view</b>	<b>Diagonal</b>	100.2°	80.4°	162.5°			142°		
	<b>Horizontal</b>	77°	65.4°	130.1°			131°		
	<b>Vertical</b>	54°	49.9°	97.3°			112°		
<b>Operation</b>	<b>Focus</b>	Yes			No				
	<b>Zoom</b>	No			No				
	<b>Iris</b>	Fixed			Fixed				
<b>Mechanical</b>									
<b>Lens Mounting</b>	M12, Pitch 0.5 mm			M12, Pitch 0.5 mm			M12 mm		
<b>Camera Angle Adjustment</b>	<b>Pan</b>	-45° ~ 45°		-45° ~ 45°			No		
	<b>Tilt</b>	0° ~ 90°		0° ~ 90°			No		
<b>Temperature Detector</b>	No			Yes					
<b>Connectors</b>	<b>Power</b>	PoE only		Terminal block (3 pin), PoE			DC Jack		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector		Ethernet(10/100 Base-T), RJ-45 Connector					
	<b>Audio</b>	built-in microphone			built-in microphone and speaker				
	<b>Digital I/O</b>	No			No				
	<b>Auto Iris</b>	No			No				
	<b>Local Storage</b>	No			Micro SD/SDHC memory card slot				
<b>TV-Out</b>	No			No					
<b>General</b>									
<b>Operating Temperature</b>	0°C ~ 50°C / 32°F ~ 122°F		0°C ~ 50°C / 32°F ~ 122°F						
<b>Humidity</b>	10% to 90% (no condensation)		10% to 90% (no condensation)						
<b>Power Source</b>	PoE (IEEE802.3af)		12V DC / PoE (IEEE802.3af)				12V DC		
<b>Power Consumption</b>	5.8 W (max. 120 mA at 48V PoE)	3.6 W (max. 600mA at 12V DC)	4.08 W (max. 340mA at 12V DC)			4.2 W (max. 350mA at 12V DC)	4W ( max. 350mA at 12V DC)		
<b>Regulatory</b>	CE, FCC, C-Tick, RoHS compliant								
<b>Dimension (L X W X H)</b>	ø 106 x 54.4 mm / 4.2 x 2.1 in						60x 84.8 x 39 mm / 2.36 x 3.34 x 1.54 in		
<b>Weight</b>	212 g / 0.47 lb	275 g / 0.61 lb	280 g / 0.62 lb			80 g / 0.18 lb			
<b>IP66</b>	No			No					

**Note:**

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




## GV-IPCam H.264 Series: PT and PTZ Camera Specifications

		GV-PT110D	GV-PTZ010D-N	GV-PTZ010D-P
		1.3M IR PT Camera	D1 10x Optical Zoom D/N PTZ Camera	
				
<b>Camera</b>				
<b>Image Sensor</b>		1/3" progressive scan CMOS		1/4" CCD image sensor
<b>Picture Elements</b>		1280 (H) x 1024 (V)		704 (H) x 480 (V)
<b>Minimum Illumination</b>	<b>Color</b>	1.5 Lux (1/60 s) 0.2 Lux (1/5 s) (30 IRE, F1.5, AGC-ON, slow shutter-off)		2.5 Lux (50 IRE, F/1.8)
	<b>B/W</b>	0 Lux (1/60 s)(50 IRE, F/1.5, AGC-ON, slow shutter-off)		0.07 Lux (50 IRE, F/1.8)
	<b>IR ON</b>			No
<b>Shutter Speed</b>		Auto (Balanced, Speed Priority Quality Priority), Manual (1/5 ~ 1/4000 sec)		Auto, Manual (1/50 ~ 1/120,000 sec)
<b>White Balance</b>		Auto, Manual (2800K ~ 8500K)		Auto, Manual (3200K ~ 9600K)
<b>BLC</b>		No		Yes
<b>Operation</b>				
<b>Video Compression</b>		H.264, MPEG4, MJPEG		
<b>Video Streaming</b>		Dual streams from two of H.264, MPEG4 and MJPEG		
<b>Frame Rate</b>		15 fps at 1280 x 1024, 30 fps at 640 x 512	30 fps at 704 x 480	25 fps at 704 x 576
<b>Audio compression</b>		G.711		
<b>Digital Input</b>		Dry Contact		
<b>Relay Output</b>		Digital output		
<b>Optical Lens</b>				
<b>Megapixel</b>		Yes		No
<b>Day/Night Support (with removable infrared-cut filter)</b>		Yes (Built-in IR LED 15M)		No
<b>Focal Length</b>		4.0 mm		4.2 ~ 42 mm
<b>Max Aperture</b>		F/1.5		F/1.8 ~ 2.9
<b>Mount</b>		M12, Pitch 0.5 mm		No
<b>Image Format</b>		1/3"		1/4"
<b>Angle of view</b>	<b>Diagonal</b>	89°		56°
	<b>Horizontal</b>	71.2°		46.4°
	<b>Vertical</b>	50°		35.6°
<b>Operation</b>	<b>Focus</b>	Manual (w/lock)		Auto Focus
	<b>Zoom</b>	No		100X (10X Optical, 10X Digital)
	<b>Iris</b>			Fixed
<b>IR LED Quantity</b>		14 IR LEDs		No
<b>IR Distance</b>		15 m / 50 ft. (Max.)		N/A
<b>Mechanical</b>				
<b>Lens Mounting</b>		M12, Pitch 0.5 mm		No
<b>Camera Angle Adjustment</b>	<b>Pan</b>			-175° ~ 175°
	<b>Tilt</b>			-45° ~ 90°
<b>Temperature Detector</b>		Yes		
<b>Connectors</b>	<b>Power</b>	Terminal block (2 pin), PoE		
	<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ-45 Connector		
	<b>Audio</b>	1 In (built-in microphone or external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)		
	<b>Digital I/O</b>	3-pin terminal block, pitch 2.5 mm / 0.1 in		
	<b>Auto Iris</b>	No		
	<b>Local Storage</b>	Micro SD/SDHC memory card slot		
	<b>TV-Out</b>	No		
<b>General</b>				
<b>Operating Temperature</b>		-10°C ~ 50°C / 14°F ~ 122°F		
<b>Humidity</b>		10% to 90% (no condensation)		
<b>Power Source</b>		12V DC / 24V AC / PoE (IEEE802.3af)		
<b>Power Consumption</b>		15 W ( Max.1.25A at 12V DC)		
<b>Regulatory</b>		CE, FCC, C-Tick, RoHS compliant		
<b>Dimension (L X W X H)</b>		122.7 x 124.5 x 133 mm / 4.83 x 4.9 x 5.24 in		
<b>Weight</b>		440 g / 0.97 lb		490 g / 1.08 lb
<b>IP66</b>		No		

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



## GV-IPCAM H.264 Series: Fisheye Camera Specifications

		GV-FE110	GV-FE111	GV-FE420	GV-FE421	GV-FE520	GV-FE521
		1.3M	1.3M	4M	4M	5M	5M
							
<b>Camera</b>							
<b>Image Sensor</b>		1/3" progressive scan CMOS			1/2.5" progressive scan CMOS		
<b>Picture Elements</b>		1280 (H) x 1024 (V)			2048 (H) x 1944 (V)		2560 (H) x 1920 (V)
<b>Minimum Illumination</b>	<b>Color</b>	1.5 Lux (1/60s), 0.1 Lux (1/5s) (30 IRE, F/2.0, AGC-ON, slow shutter-off)			4 Lux (1/30 sec), 2 Lux (1/5 sec)		
	<b>B/W</b>	No			No		
	<b>IR ON</b>	No			No		No
<b>Shutter Speed</b>		Auto(Balanced, Speed Priority, Quality Priority), Manual (1/5 ~ 1/4000sec)			Auto, Manual (1/5 ~ 1/8000sec)		
<b>White Balance</b>					Auto, Manual (2800K ~ 8500K)		
<b>BLC</b>		No			Yes		
<b>Operation</b>							
<b>Video Compression</b>		H.264, MPEG4, MJPEG			H.264, MJPEG		
<b>Video Streaming</b>		Single Stream from H.264, MPEG4 or MJPEG			Single Stream from H.264 or MJPEG		
<b>Frame Rate</b>		15 fps at 1280 x 1024			15 fps at 2048 x 1944		10 fps at 2560 x 1920
<b>Audio compression</b>		G.711			G.711 / AAC		
<b>Digital Input</b>					Dry Contact		
<b>Relay Output</b>					Digital output		
<b>Optics Lens</b>							
<b>Megapixel</b>					Yes		
<b>Day/Night Support</b> (with removable infrared-cut filter)					No		
<b>Focal Length</b>		1.25 mm			1.27 mm		1.6 mm
<b>Max Aperture</b>		2			2.8		2
<b>Mount</b>					M12, Pitch 0.5 mm / 0.02 in		
<b>Image Format</b>		1/3"			1/2"		4.7 mm (Image Circle)
<b>Angle of view</b>	<b>Diagonal</b>	185°			180°		185°
	<b>Horizontal</b>						
	<b>Vertical</b>						
<b>Operation</b>	<b>Focus</b>				No		
	<b>Zoom</b>				No		
	<b>Iris</b>				Fixed		
<b>Mechanical</b>							
<b>Lens Mounting</b>					M12, Pitch 0.5 mm / 0.02 in		
<b>Camera Angle Adjustment</b>					No		
<b>Temperature Detector</b>					Yes		
<b>Connectors</b>	<b>Power</b>				Terminal block (3 pin), PoE		
	<b>Ethernet</b>				Ethernet (10/100 Base-T), RJ-45 Connector		
	<b>Audio</b>				built-in microphone and speaker		
	<b>Digital I/O</b>				I/O Wire		
	<b>Auto Iris</b>				No		
	<b>Local Storage</b>				Micro SD/SDHC memory card slot		
<b>TV-Out</b>				No			
<b>General</b>							
<b>Operating Temperature</b>					0°C ~ 50°C / 32°F ~ 122°F		
<b>Humidity</b>					10% to 90% (no condensation)		
<b>Power Source</b>					12V DC / 24V AC / PoE (IEEE802.3af)		
<b>Power Consumption</b>		7.2 W (max. 600mA at 12V DC)			4.1 W (max. 335mA at 12V DC)		
<b>Regulatory</b>					CE, FCC, C-Tick, RoHS compliant		
<b>Dimension (L X W X H)</b>					ø 160 x 47.66 mm / 6.29 x 1.83 in		
<b>Weight</b>					650 g / 1.43 lb		
<b>IP66</b>					No		

Note:  
1. Product design and specifications are subject to change without notice.