












GV-IPCam H.264 Series: Box Camera Specifications


		GV-BX110D		GV-BX120D	GV-BX140DW	GV-BX130D Series		GV-BX220D Series	GV-BX320D Series	GV-BX520D	
		Fixed Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens	Varifocal Lens	
											
Camera											
Image Sensor		1/3" progressive scan CMOS			1/3" progressive scan CMOS			1/2.5" progressive scan CMOS			
Picture Elements		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)	
Minimum Illumination	Color	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)	0.2 Lux at F/1.4	0.5 Lux at F/1.5	0.5 Lux at F/1.4	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)		0.5 Lux at F/1.6	
	B/W	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), 0.04 Lux (1/5 sec)	0.08 Lux at F/1.4	0.1 Lux at F/1.5	0.1 Lux at F/1.4	0.2 Lux (1/30 sec), 0.1 Lux (1/5 sec)		0.1 Lux at F/1.6	
	IR ON	0 Lux (1/60 s) (F/1.4, AGC-ON, slow shutter-off)		0 Lux							
Shutter Speed		Auto, Manual (1/5 ~ 1/4000sec)			Auto		Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance		Auto, Manual (2800K ~ 8500K)			Auto, Manual (2800K ~ 8500K)						
Gain Control		Automatic									
S/N Ratio		-		50 dB	47 dB	45 dB					
WDR		No		Yes	Yes (WDR pro)	Yes					
Operation											
Video Compression		H.264, MPEG4, MJPEG			H.264, MJPEG						
Video Streaming		Dual streams from H.264, MPEG4 and MJPEG			Dual streams from H.264 and MJPEG						
Frame Rate		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	
Audio Compression		G.711			G.711 / AAC (16 kHz / 16 bit)						
Sensor Input		1 input (Wet Contact , 7V ~ 30V)			1 input (Dry Contact)						
Alarm Output		1 output (10A 250V AC; 10A 125V AC; 5A 100V DC)			1 Digital Output (200mA 5V DC)						
Optical Lens											
Megapixel		Yes									
Day/Night		Yes (with removable IR-cut filter)									
Lens Type		Fixed Lens	Varifocal Lens	Varifocal Lens		Fixed Lens	Varifocal Lens				
Focal Length		4.0 mm	4 ~ 9 mm	2.8 ~ 12 mm		4.0 mm	2.8 ~ 12 mm	GV-BX220D-2 2.8 ~ 6mm	GV-BX320D-0 3.1 ~ 8 mm	4.5 ~ 10 mm	
Maximum Aperture		F/1.5	F/1.4	F/1.4		F/1.5	F/1.4	GV-BX220D-2 F/1.3	GV-BX320D-0 F/1.2	F/1.6	
Mount		CS Mount			CS Mount						
Image Format		1/3"			1/3"						1/2"
Operation		manual w/lock									
Zoom		No	manual w/lock	manual w/lock		No	manual w/lock				
Iris		Fixed	DC drive	DC drive	Fixed	Fixed	DC drive			Manual	
Mechanical											
Lens Mounting		C / CS-Mount			CS-Mount						
Camera Angle Adjustment		No									
Temperature Detector		No			Yes						
Power		DC Jack, PoE			Terminal block (2 pin), PoE						
Ethernet		RJ-45 Connector									
Audio		1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)									
Digital I/O		5-pin terminal block, pitch 3.5 mm / 0.14 in			3-pin terminal block, pitch 2.5 mm / 0.1 in						
Auto Iris		Not functional	DC drive	Not functional		DC drive			Not functional		
Local Storage*		Micro SD/SDHC memory card slot (for Class 6 card or above)			Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)						
TV-Out		BNC connector (640 x 480 resolution)									
LED Indicator		1 LED with 2 colors			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(IEEE802.3af)									
Max. Power Consumption		9.2 W			7 W						
Regulatory		CE, FCC, C-Tick, RoHS compliant									
Dimensions (L X W X H) (Without lens)		115 x 65 x 60 mm / 4.52 x 2.55 x 2.36 in			75.5 x 75 x 54 mm / 2.97 x 2.95 x 2.13 in						
Weight		450 g / 0.99 lb			321 g / 0.71 lb						

Note:

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- 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.
- No memory card slot or local storage function for Argentina.







GV-IPCam H.264 Series: Box Camera Specifications

	GV-BX1200 Series		GV-BX1300 Series		GV-BX2400 Series		GV-BX3400 Series		GV-BX5300-6V						
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens						
															
Camera															
Image Sensor	1/3" progressive scan CMOS		1/2.5" progressive scan CMOS		1/3" progressive scan CMOS				1/2.5" progressive scan CMOS						
Picture Elements	1280 (H) x 1024 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)						
Minimum Illumination	Color	0.05 Lux		0.15 Lux		0.08 Lux		0.15 Lux at F/1.6							
	B/W	0.03 Lux		0.10 Lux		0.05 Lux		0.10 Lux at F/1.6							
	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	50 dB		45 dB		47 dB				45 dB						
WDR	Yes				Yes (WDR pro)				Yes						
Operation															
Video Compression	H.264, MJPEG														
Video Streaming	Dual streams from H.264 and MJPEG														
Frame Rate	30 fps at 1280 x 1024				30 fps at 1920 x 1080		20 fps at 2048 x 1536 30 fps at 1920 x 1080		10 fps at 2560 x 1920						
Audio Compression	G.711 / AAC (24 kHz / 16 bit)														
Sensor Input	1 input (Dry Contact)														
Alarm Output	1 Digital Output (200mA 5V DC)														
Optical Lens															
Megapixel	Yes														
Day/Night	Yes (with removable IR-cut filter)														
Lens Type	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens							
Focal Length	BX1200-0F	4 mm	2.8 ~ 12 mm	BX1300-0F	4 mm	2.8 ~ 12 mm	BX2400-0F	4 mm	BX2400-3V	2.8 ~ 12 mm	BX3400-0F	4 mm	BX3400-4V	3 ~ 10.5 mm	4.5 ~ 10 mm
	BX1200-1F	8 mm		BX1300-1F	8 mm		BX2400-1F	8 mm	BX2400-4V	3 ~ 10.5 mm	BX3400-1F	8 mm	BX3400-5V	2.8 ~ 6 mm	
	BX1200-2F	12 mm	BX1300-2F	12 mm	BX2400-2F	12 mm	BX3400-2F	12 mm							
Maximum Aperture	BX1200-0F	F/1.5	F/1.4	BX1300-0F	F/1.5	F/1.4	BX2400-0F	F/1.5	BX2400-3V	F/1.4	BX3400-0F	F/1.5	BX3400-4V	F/1.4	F/1.6
	BX1200-1F	F/1.6		BX1300-1F	F/1.6		BX2400-1F	F/1.6	BX2400-4V	F/1.6	BX3400-1F	F/1.6	BX3400-5V	F/1.3	
	BX1200-2F	F/1.6		BX1300-2F	F/1.6		BX2400-2F	F/1.6	BX3400-2F	F/1.6					
Mount	CS Mount														
Image Format	BX1200-0F	1/3"	1/3"	BX1300-0F	1/3"	1/3"	BX2400-0F	1/3"	BX2400-3V	1/3"	BX3400-0F	1/3"	BX3400-4V	1/2.7"	1/2"
	BX1200-1F	1/2.5"		BX1300-1F	1/2.5"		BX2400-1F	1/2.5"	BX2400-4V	1/2.7"	BX3400-1F	1/2.5"	BX3400-5V	1/3"	
	BX1200-2F	1/2.5"	BX1300-2F	1/2.5"	BX2400-2F	1/2.5"	BX3400-2F	1/2.5"							
Operation	Focus	manual w/lock								Manual (w/lock)					
	Zoom	manual w/lock													
	Iris	DC drive													
Mechanical															
Lens Mounting	CS-Mount														
Camera Angle Adjustment	No														
Temperature Detector	Yes														
Connectors	Power	Terminal block (2 pin), PoE													
	Ethernet	RJ-45 Connector													
	Audio	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)													
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1 in													
	Auto Iris	Yes								Not functional					
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)													
	TV-Out	BNC connector (640 x 480 resolution)													
Mini USB	Yes (for GV-WiFi Adapter)														
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 (IEEE802.3af Class 3)														
Max. Power Consumption	9.5 W														
Regulatory	CE, FCC, C-Tick, RoHS compliant														
Dimensions (L X W X H) (Without lens)	75.5 x 75 x 54 mm / 2.97 x 2.95 x 2.13 in														
Weight	300 g / 0.66 lb														

- Note:**
- Product design and specifications are subject to change without notice.
 - The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
 - 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.
 - No memory card slot or local storage function for Argentina.



GV-IPCam H.264 Series: IR Arctic Box Camera Specifications






		GV-BX120D-E	GV-BX220D-E	GV-BX320D-E	GV-BX520D-E
					
Camera					
Image Sensor		1/3" progressive scan CMOS		1/2.5" progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V) 2048 (H) x 1536 (V) 2560 (H) x 1920 (V)	
Minimum Illumination	Color	0.08 Lux at F/1.4		0.5 Lux at F/1.3	
	B/W	0.04 Lux at F/1.4		0.1 Lux at F/1.3	
	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		50 dB		45 dB	
WDR		Yes			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams from H.264 and MJPEG			
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080 20 fps at 2048 x 1536 10 fps at 2560 x 1920	
Audio Compression		G.711 / AAC (16 kHz / 16 bit)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		2.8 ~ 12 mm		2.8 ~ 6 mm 4.5 ~ 10 mm	
Maximum Aperture		F/1.4		F/1.3 F/1.6	
Mount		CS Mount			
Image Format		1/3"			1/2"
Operation	Focus	manual w/lock			
	Zoom	manual w/lock			
	Iris	DC drive			Manual
IR LED Quantity		4 IR LEDs			
IR Distance		15 m / 50 ft. (Max.)			
Mechanical					
Lens Mounting		CS-Mount			
Camera Angle	Pan	0° ~ 330°			
	Tilt	0° ~ 90°			
Adjustment		Rotate No			
Temperature Detector		Yes			
Connectors	Power	PoE			
	Ethernet	RJ-45 Connector			
	Audio	1 In (external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)			
	Digital I/O	No			
	Auto Iris	DC drive			Not functional
	Local Storage	No			
	TV-Out	BNC connector (640 x 480 resolution)			
LED Indicator		2 LEDs: Power, Status			
General					
Environment Temperature		-40°C ~ 50°C / -40°F ~ 122°F			
Humidity		10% to 90% (no condensation)			
Power Source		PoE (IEEE 802.3 at)			
Max. Power Consumption		24 W			
Regulatory		CE, FCC, C-Tick, 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 in			
Weight		3.2 Kg / 7.1 lb			
Ingress Protection		IP66			

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).
3. No memory card slot or local storage function for Argentina.



GV-IPCam H.264 Series: Bullet Camera Specifications







		GV-BL110D	GV-BL120D	GV-BL130D	GV-BL220D	GV-BL320D
						
Camera						
Image Sensor		1/3" progressive scan CMOS			1/2.5" progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)			1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	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)	0.5 Lux at F/1.3	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)
	B/W	0 Lux (1/60 s) (50 IRE, F/1.4, AGC-ON, slow shutter-off.)		0 Lux		
	IR ON					
Shutter Speed		Auto (Balanced, Speed Priority, Quality Priority), Manual (1/5 ~ 1/4000 sec)		Auto, Manual (1/5 ~ 1/8000sec)		
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		-	50 dB	45 dB		
WDR		No	Yes			
Operation						
Video Compression		H.264, MPEG4, MJPEG		H.264, MJPEG		
Video Streaming		Dual Streams from H.264, MPEG4 and MJPEG		Dual streams from H.264 and MJPEG		
Frame Rate		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
Audio Compression		G.711		G.711 / AAC (16 kHz / 16 bit)		
Sensor Input		1 input (Dry Contact)				
Alarm Output		1 digital output (200mA 5V DC)				
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Lens Type		Varifocal Lens				
Focal Length		3.6 ~ 9 mm				
Maximum Aperture		F/1.3				
Mount		Ø14 mm				
Image Format		1/3"				
Operation	Focus	manual w/lock				
	Zoom	manual w/lock				
	Iris	DC drive				
IR LED Quantity		16 IR LEDs				
IR Distance		15 m / 50 ft. (Max.)				
Mechanical						
Lens Mounting		Ø14 mm				
Camera Angle Adjustment	Pan	0° ~ 360°				
	Tilt	90° ~ 180°				
	Rotate	0° ~ 360°				
Temperature Detector		Yes				
Connectors	Power	Terminal block (3 pin), PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Cable				
	Audio	1 In (RCA female for microphone); 1 Out (RCA female for speaker)				
	Digital I/O	I/O Wire				
	Auto Iris	DC drive				
	Local Storage*	Micro SD/SDHC memory card slot (for Class 6 card or above)	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
TV-Out		No				
General						
Environment Temperature		-20°C ~ 50°C / -4°F ~ 122°F				
Humidity		10% to 90% (no condensation)				
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)				
Max. Power Consumption		12W				
Regulatory		CE, FCC, C-Tick, RoHS compliant				
Dimensions	Camera Body	277.5 x 87.75 x 148.95 mm / 10.9 x 3.45 x 5.86 in				
	Cable Length	1 m / 3.28 ft				
	Max. Cable Diameter	Ø 7.1 mm / 0.28 in				
	Max. Connector Diameter	Ø 25.2 mm / 0.99 in				
Weight		1.35 kg / 2.98 lb				
Ingress Protection		IP66				

Note:

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2. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
3. No memory card slot or local storage function for Argentina.



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





		GV-VD120D (IK10+, Transparent Cover)	GV-VD220D (IK10+, Transparent Cover)	GV-VD320D (IK10+, Transparent Cover)	GV-FD120D (IK7)	GV-FD220D (IK7)	GV-FD320D (IK7)
		GV-VD121D (IK10+, Smoked Cover)	GV-VD221D (IK10+, Smoked Cover)	GV-VD321D (IK10+, Smoked Cover)			
		GV-VD122D (IK7, Transparent Cover)	GV-VD222D (IK7, Transparent Cover)	GV-VD322D (IK7, Transparent Cover)			
		GV-VD123D (IK7, Smoked Cover)	GV-VD223D (IK7, Smoked Cover)	GV-VD323D (IK7, Smoked Cover)			
							
Camera							
Image Sensor		1/3" progressive scan CMOS		1/2.5" progressive scan CMOS		1/3" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		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)
Minimum Illumination	Color	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/W	0 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		50 dB		45 dB		50 dB	45 dB
WDR		Yes					
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams from H.264 and MJPEG					
Frame Rate		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
Audio Compression		G.711 / AAC (16 kHz / 16 bit)					
Sensor Input		1 Input (Dry Contact)					
Alarm Output		1 Digital output (200mA 5V DC)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Varifocal Lens					
Focal Length		3 ~ 9 mm					
Maximum Aperture		F/1.3					
Mount		Ø14 mm					
Image Format		1/3"					
Operation	Focus	manual w/lock					
	Zoom	manual w/lock					
	Iris	DC drive					
IR LED Quantity		10 IR LEDs					
IR Distance		15 m / 50 ft. (Max.)					
Mechanical							
Lens Mounting		Ø14 mm					
Camera Angle Adjustment	Pan	0° ~ 350°					
	Tilt	10° ~ 90°					
	Rotate	0° ~ 340°					
Temperature Detector		Yes					
Connectors	Power	Terminal block (3 pin), PoE			Terminal block (2 pin), PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Cable					
	Audio	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)		
	Digital I/O	I/O Wire			3-pin terminal block, pitch 2.5 mm		
	Auto Iris	DC drive					
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)					
TV-Out	BNC connector (640 x 480 resolution)						
General							
Environment Temperature		-20°C ~ 50°C / -4°F ~ 122°F			0°C ~ 50°C / 32°F ~ 122°F		
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)					
Max. Power Consumption		12W					
Regulatory		CE, FCC, C-Tick, RoHS compliant					
Dimensions	Camera Body	Ø 165 x 125 mm / 6.49 x 4.92 in			Ø 156 x 110 mm / 6.14 x 4.33 in		
	Cable Length	1 m / 3.28 ft			n/a		
	Cable Diameter	Ø 16.7 mm / 0.66 in			n/a		
	Max. Connector Diameter	Ø 16.7 mm / 0.66 in			n/a		
Weight		1.7 kg / 3.75 lb			580 g / 1.28 lb		
Ingress Protection		IP66					

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.
- No memory card slot or local storage function for Argentina.**



GV-IPCam H.264 Series: Cube Camera Specifications





		GV-CB120	GV-CB220	GV-CBW120	GV-CBW220
					
Camera					
Image Sensor		1/2.5" progressive scan CMOS			
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)			
	B/W	No			
	IR ON	No			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		45 dB			
WDR		Yes			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams from H.264 and MJPEG			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080
Audio Compression		For 5V model: G.711 / AAC (24 kHz / 16 bit) For 12 V model: G.711 / AAC (16 kHz / 16 bit)		G.711 / AAC (24 kHz / 16 bit)	
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (electronic)			
Lens Type		Fixed Lens			
Focal Length		3.35 mm			
Maximum Aperture		F/2.4			
Mount		M12 mm			
Image Format		1/3"			
Operation	Focus	No			
	Zoom	No			
	Iris	Fixed			
Mechanical					
Lens Mounting		M12 mm			
Camera Angle Adjustment	Pan	No			
	Tilt	No			
Temperature Detector		No			
Connectors	Power	DC Jack			
	Ethernet	RJ-45 Connector			
	Audio	built-in microphone and speaker			
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
LED Indicator		2 LEDs: Status, LAN			
Wireless LAN		No		IEEE 802.11 b/g/n	
General					
Environment Temperature		0°C ~ 50°C / 32°F ~ 122°F		0°C ~ 40°C / 32°F ~ 104°F	
Humidity		10% to 90% (no condensation)			
Power Source		Two models: 5V and 12V DC		5V DC	
Max. Power Consumption		Two models: 3.2W (for 5V model) and 4W (for 12V model)		3.2W	
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions	Camera Body	60 x 84.8 x 39 mm / 2.36 x 3.34 x 1.54 in			
	Cable Length	n/a			
	Cable Diameter	n/a			
	Max. Connector Diameter	n/a			
Weight		80 g / 0.18 lb		70 g / 0.15 lb	

Note:

- Product design and specifications are subject to change without notice.
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- For GV-CBW120 / CBW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
- Be sure to use the supplied power adapter to power up the camera. To use your own power cable, make sure you look up the power source value indicated at the camera's back panel.
- No memory card slot or local storage function for Argentina.**



GV-IPCam H.264 Series: Advanced Cube Camera Specifications






		GV-CA120	GV-CA220	GV-CAW120	GV-CAW220
					
Camera					
Image Sensor		1/2.5" progressive scan CMOS			
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	1 Lux at F/2.4			
	B/W	0.5 Lux at F/2.4			
	IR ON	0.1 Lux at F/2.4			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		45 dB			
WDR		Yes			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams from H.264 and MJPEG			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080
Audio Compression		G.711 / AAC (24 kHz / 16 bit)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (electronic)			
Lens Type		Fixed Lens			
Focal Length		3.35 mm			
Maximum Aperture		F/2.4			
Mount		M12 mm			
Image Format		1/3"			
Operation	Focus	No			
	Zoom	No			
	Iris	Fixed			
Mechanical					
Lens Mounting		M12 mm			
Camera Angle Adjustment	Pan	No			
	Tilt	No			
Temperature Detector		No			
Connectors	Power	DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220)			
	Ethernet	RJ-45 Connector			
	Audio	built-in microphone and speaker			
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
LED Indicator		4 LEDs: Status x 3, LAN/WiFi			
PIR Sensor		Built-in			
White Illumination LED		Yes			
PIR / White Illumination LED Distance		Max. 5 m / 16.4 ft.			
General					
Environment Temperature		0°C ~ 50°C / 32°F ~ 122°F			
Humidity		10% to 90% (no condensation)			
Power Source		5V DC and PoE		5V DC	
Max. Power Consumption		7 W		6 W	
Regulatory		CE, FCC, C-Tick, RoHS compliant			
Dimensions (LxWxH)		65.8 x 99.8 x 39 mm / 2.59 x 3.92 x 1.54 in			
Weight		100 g / 0.2 lb			

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).
3. For GV-CAW120 / CAW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
4. **No memory card slot or local storage function for Argentina.**



GV-IPCam H.264 Series: Mini Fixed Dome Specifications





		GV-MFD120	GV-MFD130	GV-MFD220	GV-MFD320	GV-MFD520
						
Camera						
Image Sensor		1/3" progressive scan CMOS			1/2.5" progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.08 Lux at F/1.5		0.5 Lux at F/2.8		
	B/W					
	IR ON	No				
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		50 dB				45 dB
WDR		Yes				
Operation						
Video Compression		H.264, MJPEG				
Video Streaming		Dual streams from H.264 and MJPEG				
Frame Rate		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
Audio Compression		G.711 / AAC (16 kHz / 16 bit)				
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (electronic)				
Lens Type		Fixed Lens				
Focal Length		4.05 mm				2.54 mm
Maximum Aperture		F/1.5				F/2.8
Mount		M12, Pitch 0.5 mm				
Image Format		1/3"				1/2.5"
Operation	Focus	No				
	Zoom	No				
	Iris	Fixed				
Mechanical						
Lens Mounting		M12, Pitch 0.5 mm				
Camera Angle Adjustment	Pan	-45° ~ 45°				
	Tilt	0° ~ 90°				
Temperature Detector		Yes				
Connectors	Power	Terminal block (3 pin), PoE				
	Ethernet	RJ-45 Connector				
	Audio	built-in microphone				
	Local Storage*	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)				
LED Indicator		4 LEDs: Link, ACT, Power, Status				
General						
Environment Temperature		0°C ~ 50°C / 32°F ~ 122°F				
Humidity		10% to 90% (no condensation)				
Power Source		12V DC / PoE (IEEE802.3af)				
Max. Power Consumption		4.5 W	5.5 W			6 W
Regulatory		CE, FCC, C-Tick, RoHS compliant				
Dimensions	Camera Body	ø 106 x 55.6 mm / 4.2 x 2.2 in				
	Cable Length	1 m / 3.28 ft				
	Cable Diameter	ø 8 mm / 0.31 in				
	Max. Connector Diameter	ø 28.5 mm / 1.12 in				
Weight		275 g / 0.61 lb				280 g / 0.62 lb

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).
3. No memory card slot or local storage function for Argentina.






GV-IPCam H.264 Series: Mini Fixed Rugged Dome Specifications

		GV-MDR120	GV-MDR220	GV-MDR320	GV-MDR520
					
Camera					
Image Sensor		1/3" progressive scan CMOS		1/2.5" progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.08 Lux at F/1.5		0.5 Lux at F/2.8	
	B/W	No		No	
	IR ON	No		No	
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		50 dB		45 dB	
WDR		Yes			
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams from H.264 and MJPEG			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression		G.711 / AAC (24 kHz / 16 bit)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (electronic)			
Lens Type		Fixed Lens			
Focal Length		4.05 mm		2.54 mm	
Maximum Aperture		F/1.5		F/2.8	
Mount		M12, Pitch 0.5 mm			
Image Format		1/3"		1/2.5"	
Operation	Focus	No			
	Zoom	No			
	Iris	Fixed			
Mechanical					
Lens Mounting		M12, Pitch 0.5 mm			
Camera Angle Adjustment	Pan	-45° ~ 45°			
	Tilt	0° ~ 90°			
	Rotate	0° ~ 360°			
Temperature Detector		Yes			
Connectors	Power	PoE			
	Ethernet	RJ-45 Connector			
	Audio	built-in microphone			
	Local Storage	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)			
LED Indicator		4 LEDs: Link, ACT, Power, Status			
General					
Environment Temperature		-20°C ~ 50°C / -4°F ~ 122°F			
Humidity		10% to 90% (no condensation)			
Power Source		PoE (IEEE802.3af)			
Max. Power Consumption		3 W	3.4 W	3.4 W	4.2 W
Regulatory		CE, FCC, C-Tick, EN50155, RoHS compliant			
Dimensions	Camera Body	ø 115 x 59.2 mm / 4.5 x 2.3 in			
	Cable Length	1.054 m / 41.5 in			
	Cable Diameter	ø 6.2 mm / 0.24 in			
	Max. Connector Diameter	ø 30 mm / 1.18 in			
Weight		568g / 1.3 lb			
Protection Classification		IP67			
Vandal Resistance		IK10			

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).
3. No memory card slot or local storage function for Argentina.


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








		GV-PT110D	GV-PTZ010D-N	GV-PTZ010D-P
				
Camera				
Image Sensor		1/3" progressive scan CMOS		1/4" CCD image sensor
Picture Elements		1280 (H) x 1024 (V)		704 (H) x 480 (V) 704 (H) x 576 (V)
Minimum Illumination	Color	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/W	0 Lux (1/60 s)(50 IRE, F/1.5, AGC-ON, slow shutter-off)		0.07 Lux (50 IRE, F/1.8)
	IR ON			No
Shutter Speed		Auto (Balanced, Speed Priority Quality Priority), Manual (1/5 ~ 1/4000 sec)		Auto, Manual (1/50 ~ 1/120,000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)		Auto, Manual (3200K ~ 9600K)
Gain Control		Automatic		
BLC		No		Yes
Operation				
Video Compression		H.264, MPEG4, MJPEG		
Video Streaming		Dual streams from two of H.264, MPEG4 and MJPEG		
Frame Rate		15 fps at 1280 x 1024, 30 fps at 640 x 512		30 fps at 704 x 480 25 fps at 704 x 576
Audio Compression		G.711		
Sensor Input		1 Input (Dry Contact)		
Alarm Output		1 Digital output (200mA 5V DC)		
Optical Lens				
Megapixel		Yes		No
Day/Night		Yes (with removable IR-cut filter)		Yes (electronic)
Focal Length		4.0 mm		4.2 ~ 42 mm
Maximum Aperture		F/1.5		F/1.8 ~ 2.9
Mount		M12, Pitch 0.5 mm		No
Image Format		1/3"		1/4"
Operation	Focus	Manual (w/lock)		Auto Focus
	Zoom	No		100X (10X Optical, 10X Digital)
	Iris	Fixed		
IR LED Quantity		14 IR LEDs		No
IR Distance		15 m / 50 ft. (Max.)		n/a
Mechanical				
Lens Mounting		M12, Pitch 0.5 mm		No
Camera Angle Adjustment	Pan	-175° ~ 175°		
	Tilt	-45° ~ 90°		
Temperature Detector		Yes		
Connectors	Power	Terminal block (2 pin), PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector		
	Audio	1 In (built-in microphone or external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)		
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1 in		
	Auto Iris	No		
	Local Storage	Micro SD/SDHC memory card slot (for Class 6 card or above)		
	TV-Out	No		
General				
Environment Temperature		-10°C ~ 50°C / 14°F ~ 122°F		
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)		
Max. Power Consumption		12 W		
Regulatory		CE, FCC, C-Tick, RoHS compliant		
Dimensions	With Base	168 x 135.2 mm / 6.61 x 5.32 in		
	Without Base	124.5 x 133.3 mm / 4.9 x 5.25 in		
Weight		440 g / 0.97 lb		490 g / 1.08 lb

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).
3. No memory card slot or local storage function for Argentina.



GV-IPCAM H.264 Series: Fisheye Camera Specifications



		GV-FE110	GV-FE111	GV-FE420	GV-FE421	GV-FE520	GV-FE521	GV-FER521		
										
Camera										
Image Sensor		1/3" progressive scan CMOS			1/2.5" progressive scan CMOS					
Picture Elements		1280 (H) x 1024 (V)		2048 (H) x 1944 (V)		2560 (H) x 1920 (V)				
Minimum Illumination	Color	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)		2 Lux at F/2.0				
	B/W	No								
	IR ON			No						
Shutter Speed		Auto(Balanced, Speed Priority, Quality Priority), Manual (1/5 ~ 1/4000sec)		Auto, Manual (1/5 ~ 1/8000sec)						
White Balance		Auto, Manual (2800K ~ 8500K)								
Gain Control		Automatic								
S/N Ratio		-		45 dB						
WDR		No		Yes						
Operation										
Video Compression		H.264, MPEG4, MJPEG		H.264, MJPEG						
Video Streaming		Single Stream from H.264, MPEG4 or MJPEG		Single Stream from H.264 or MJPEG						
Frame Rate		15 fps at 1280 x 1024		15 fps at 2048 x 1944		10 fps at 2560 x 1920 15 fps at 2048 x 1944				
Audio Compression		G.711		G.711 / AAC (16 kHz / 16 bit)			G.711 / AAC (24 kHz / 16 bit)			
Sensor Input		1 Input (Dry Contact)						No		
Alarm Output		1 Digital output (200mA 5V DC)						No		
Optical Lens										
Megapixel		Yes								
Day/Night		Yes (electronic)								
Focal Length		1.25 mm		1.05 mm		1.6 mm				
Maximum Aperture		F/2		F/2.8		F/2				
Mount		M12, Pitch 0.5 mm / 0.02 in								
Image Format		1/3"		1/2"		4.7 mm (Image Circle)				
Operation	Focus	No								
	Zoom	No								
	Iris	Fixed								
Mechanical										
Lens Mounting		M12, Pitch 0.5 mm / 0.02 in								
Camera Angle Adjustment		No								
Temperature Detector		Yes								
Connectors	Power	Terminal block (3 pin), PoE					PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector								
	Audio	built-in microphone and speaker								
	Digital I/O	I/O Wire					No			
	Auto Iris	No								
	Local Storage	Micro SD/SDHC memory card slot (for Class 6 card or above)		Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)						
TV-Out		No								
General										
Environment Temperature		0°C ~ 50°C / 32°F ~ 122°F					-20°C ~ 50°C / -4°F ~ 122°F			
Humidity		10% to 90% (no condensation)								
Power Source		12V DC / 24V AC / PoE (IEEE802.3af)					PoE (IEEE802.3af)			
Max. Power Consumption		9 W					5 W			
Regulatory		CE, FCC, C-Tick, RoHS compliant								
Dimensions	Camera Body	Hard-Ceiling Mount	ø 160 x 50.55 mm / 6.30 x 1.99 in		ø 160 x 47.66 mm / 6.30 x 1.88 in		ø 160 x 44.9 mm / 6.30 x 1.77 in		ø 160 x 46.4 mm / 6.30 x 1.83 in	
		In-Ceiling Mount	ø 164 x 50.55 mm / 6.46 x 1.99 in		ø 164 x 47.66 mm / 6.46 x 1.88 in		ø 164 x 44.9 mm / 6.46 x 1.77 in		ø 164 x 46.4 mm / 6.46 x 1.83 in	
	Cable Length		1 m / 3.28 ft					1 m / 3.28 ft		
	Cable Diameter		ø 8 mm / 0.31 in					ø 6.2 mm / 0.24 in		
	Max. Connector Diameter		ø 28.5 / 1.12 in					ø 30 / 1.18 in		
Weight		650 g / 1.43 lb					480 g / 1.06 lb			
Ingress Protection		No					IP66			
Vandal Resistance		No					IK6			

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).
3. **No memory card slot or local storage function for Argentina.**



GV-IPCAM H.264 Series: IP Speed Dome Camera Specifications





Camera		GV-SD010			GV-SD010-S		
		18X	23X	36X	18X	23X	36X
							
Image Sensor		1/4" Exview CCD	1/4" Progressive CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Progressive CCD	1/4" Exview CCD
Picture Elements	NTSC	704 (H) x 480 (V)					
	PAL	704 (H) x 576 (V)					
Minimum Illumination	Color	0.07 lux	0.1 lux	0.1 lux	0.07 lux	0.1 lux	0.1 lux
	B/W	0.01 lux			0.01 lux		
	IR ON	0 lux					
Shutter Speed	NTSC	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec	1 ~ 1/10000 sec	1 ~ 1/10000 sec	1/2 ~ 1/30000 sec	1 ~ 1/10000 sec
	PAL		1/1.5 ~ 1/30000 sec			1/1.5 ~ 1/30000 sec	
White Balance		Auto / Manual					
Gain Control		Auto / Manual					
S/N Ratio		> 50 dB (AGC Off)					
BLC		On / Off					
Optical Zoom		18X	23X	36X	18X	23X	36X
Digital Zoom		12X					
Video Compression		H.264, MPEG4, MJPEG					
Video Streaming		Stream 1 from H.264, MPEG4 or MJPEG Stream 2 from H.264, MPEG4 or MJPEG					
Frame Rate		30/25 fps (60/50 Hz) at 704 x 480 / 704 x 576					
Audio Compression		G.711					
Sensor Input		4					
Alarm Output		1					
Pan Travel		360° endless					
Tilt Travel		-10° ~ 190°					
Manual Speed		0.5° ~ 90°/s					
Presets		256					
Preset Accuracy		0.225°					
Preset Speed		5° ~ 400°/s					
Sequence		8					
Auto Pan		4					
Cruise		4					
Privacy Mask		24	8	24	24	8	24
Wide Dynamic Range		On / Off					
Optical Lens							
Megapixel		No					
Day/Night		Yes (with removable IR Cut Filter)					
Focal Length		4.1 ~ 73.8 mm					
Maximum Aperture		F1.4 to F3.0	F1.6 to F3.7	F1.6 to F4.5	F1.4 to F3.0	F1.6 to F3.7	F1.6 to F4.5
Operation (Focus/Zoom/Iris)		Auto/Manual					
Mechanical							
Temperature Detector		No					
Connectors	Power	3-pin terminal block					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector					
	Audio	1 in 1 out (stereo jack, ø 35 mm)					
	Digital I/O	4 in 1 out (I/O Wires)					
	Local Storage	No					
TV-Out		BNC Connector (D1 Resolution)					
General							
Environment Temperature		0°C ~ 40°C / 32°F ~ 104°F			-45°C ~ 50°C / -49°F ~ -122°F		
Humidity		20% to 90% (no condensation)					
Power Source		24V AC ± 10%, 1.5A			24V AC ± 10%, 3A		
Max. Power Consumption		20 W			65 W (with Heater)		
Regulatory		CE, FCC, RoHS compliant			CE, FCC, RoHS compliant		
Dimensions	Camera Body	ø 131 x 226 mm / 5.2 x 8.9 in			ø 172 x 302.5 mm / 6.7 x 11.9 in ø 190 x 302.5 mm / 7.5 x 11.9 in (with sunshield)		
	Weight	1.6 kg / 3.5 lb			2.6 kg / 5.7 lb (with sunshield)		
Ingress Protection		No			IP66		

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).
3. No memory card slot or local storage function for Argentina.



GV-IPCAM H.264 Series: IP Speed Dome Camera Specifications

Camera		GV-SD200 18X	GV-SD200-S 18X	GV-SD220 Indoor	GV-SD220-S Outdoor
					
Image Sensor		1/2.8 Progressive Scan CMOS			
Picture Elements		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 lux at F/1.6		0.5 lux (1/30 sec), Luminance (Low Lux) on	
	B/W	0.01 lux at F/1.6		0.095 lux (1/30 sec), Luminance (Low Lux) on	
Shutter Speed		1/30 ~ 1/10000 sec		1/1 ~ 1/10000 sec	
White Balance		Auto / Indoor / Outdoor / ATW / Manual		Auto / Manual	
Gain Control				Auto / Manual	
AGC Control				Auto / Manual	
S/N Ratio		-		> 50 dB (AGC Off)	
BLC				On / Off	
Optical Zoom		18X		20x	
Digital Zoom		8X		12x	
WDR		Yes (WDR pro)		Yes (WDR pro)	
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual Streams from H.264 and MJPEG			
Frame Rate		30/25 fps (60/50 Hz) at 1920 x 1080		30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720	
Audio Compression		G.711		G.711, AAC (16kHz / 16 bit)	
Sensor Input				4	
Alarm Output		2		1	
Pan Travel				360° endless	
Tilt Travel		-10° ~ 190°		0° ~ 90°	
Proportional Pan & Tilt		On / Off (pan and tilt speed is proportional to the zoom ratio)			
Auto Flip		Digital / Mechanical / Off			
Movement Speed		0.5° ~ 90°/s (except Preset)		0.5° ~ 460°/s	
Presets		256		255	
Preset Accuracy		0.225°		0.2°	
Preset Speed		5° ~ 400°/s		0.5° ~ 460°/s	
Sequence				8	
Auto Pan		4		8	
Cruise		8		4	
Tour		16		8	
Privacy Mask		16		8	
Wide Dynamic Range				On / Off	
Calibration		Auto / Manual			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR Cut Filter)			
Focal Length		4.7 ~ 84.6 mm		4.7 ~ 94.0 mm	
Maximum Aperture		F1.6			
Operation	Focus				
	Iris	Auto/Manual			
	Zoom				
Mechanical					
Temperature Detector		No		Yes	
Connectors	Power	3-pin terminal block, High power PoE(AT)	3-pin terminal block	DC Jack	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector			
	Audio	1 in 1 out (terminal block)		1 in 1 out (stereo jack, ø 35 mm)	
	Digital I/O	4 in 2 out (12-pin terminal block)		4 in 1 out (I/O wires)	
	Local Storage	Micro SD/ SDHC memory card slot (for Class 6 card or above)		Micro SD/ SDHC / SDXC memory card slot (for Class 6 card or above)	
General					
Environment Temperature		0°C ~ 40°C / 32°F ~ 104°F	-40°C ~ 50°C / -40°F ~ -122°F	-10°C ~ 50°C / 14°F ~ -122°F	-40°C ~ 50°C / -40°F ~ -122°F
Humidity		10% to 90% (no condensation)		20% to 90% (no condensation)	
Power Source		24V AC ± 10%, 1.5A, PoE	24V AC ± 10%, 3A	24V AC ± 10%, 3A; 24V DC ± 10%, 3.75A	
Max. Power Consumption		20 W	65 W (with Heater)	30 W	60 W (with 30W heater)
Regulatory		CE, FCC, RoHS			
Dimensions	Camera Body	ø 171.7 x 228.71 mm / 6.76 x 9 in	ø 191.97 x 282.11 mm / 7.55 x 11.1 in (with sunshield)	ø 172 x 221.9 mm / 7 x 8.8 in	ø 220 x 297.75 mm / 8.7 x 11.7 in
Weight		1.62 kg / 3.57 lb	2.32 kg / 5.11 lb (with sunshield)	3.2 Kg / 7.1 lb	4.7 Kg / 10.4 lb
Ingress Protection		-		IP66	

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).
3. No memory card slot or local storage function for Argentina.