







## Comparison Chart for GV-IP LPR Cameras

		GV-LPC1100	GV-IP LPR Camera 5R
			
Capturing License Plates		Yes	
Recognizing Plate Numbers		N/A	
Camera (only for reflective license plates)			
Image Sensor		1/3" B/W progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)	
Camera Type		B/W	
Shutter Speed		Automatic, Manual (1/500 ~ 1/8000 sec)	
White Balance		Auto / Manual (2800K ~ 8500K)	
Max. Speed		120 km/h (75 mph)	60 km/h (37 mph)
Operation			
Video Compression		H.264, MJPEG	
Video Streaming		Dual streams	
Frame Rate		30 fps at 1280 x 1024	
Audio Compression		G. 711, AAC (optional)	N/A
Optical Lens			
Megapixel		Yes	
Lens Type		Motorized Varifocal Lens	
Focal Length		9 ~ 22 mm	3 ~ 9 mm
Maximum Aperture		F/1.2"	
Mount		Ø14 mm	
Image Format		1/2.7"	
Operation	Focus	Auto Focus	
	Zoom	3x Optical Zoom	
	Iris	P-Iris	DC drive
IR LED Quantity		4	12
Optimal IR Distance		10 m (32.81 ft)	5 m (16.4 ft)
Suggested Range of IR Distance		8 ~ 10 m (26.2 ~ 32.8 ft)	3 ~ 5 m (9.84 ~ 16.4 ft)
Mechanical			
Temperature Detector		Yes	
Connectors	Power	DC 48V 2.5A, High PoE (PoE++, 120 W)	PoE+ (IEEE 802.3at)
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	
	Audio	1 In (external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")	N/A
	Digital I/O	1 in / 1 out	N/A
	TV-Out	BNC connector (640 x 480 resolution)	N/A
LED Indicator		N/A	
General			
Environment Temperature		-40°C ~ 50°C (-40°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)
Humidity		10% to 90% (no condensation)	
Power Source		DC 48V 2.5A, High PoE (PoE++, 120 W)	PoE+ (IEEE 802.3at)
Max. Power Consumption		50 W	16.6 W
Regulatory		CE, FCC, C-Tick and RoHS compliant	
Dimensions (L X W X H)		406 x 145 x 109 mm (16" x 5.7" x 4.3") (without support rack)	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")
Weight		With support rack: 3.32 kg (7.32 lb) Without support rack: 2.62 kg (5.78 lb)	1.4 kg (3.08 lb)
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)	N/A
Fan		Constantly On	




All specifications are subject to change without notice.



		GV-LPR1200	GV-LPC1200
			
<b>Capturing License Plates</b>		Yes	
<b>Recognizing Plate Numbers</b>		Yes (Built-in LPR processor)	N/A
<b>Camera (only for reflective license plates)</b>			
<b>Image Sensor</b>		Megapixel B/W progressive scan CCD	
<b>Picture Elements</b>		1280 (H) x 720 (V)	
<b>Camera Type</b>		B/W	
<b>Shutter Speed</b>		Automatic: 1/1000 ~ 1/10000 sec Manual: 1/250 ~ 1/2000 sec	
<b>S/N Ratio</b>		52 dB	
<b>Max. Speed</b>		200 km/h (124.27 mph)	
<b>Operation</b>			
<b>Video Compression</b>		H.264, MJPEG	
<b>Video Streaming</b>		Dual streams from H.264 and MJPEG	
<b>Frame Rate</b>		30 fps at 1280 x 720	
<b>Audio Compression</b>		G.711, AAC (Optional)	
<b>Optical Lens</b>			
<b>Megapixel</b>		1 MP	
<b>Lens Type</b>		Motorized varifocal lens	
<b>Focal Length</b>		4.7 mm ~ 47 mm	
<b>Maximum Aperture</b>		F/3.5"	
<b>Image Format</b>		1/3"	
<b>Operation</b>	<b>Focus</b>	Auto	
	<b>Zoom</b>	10X optical zoom	
	<b>Iris</b>	Auto Focus	
<b>IR LED Quantity</b>		8 high power IR LEDs	
<b>IR Distance</b>		10 ~ 20 m (32.8 ~ 65.6 ft)	
<b>Mechanical</b>			
<b>Temperature Detector</b>		Yes	
<b>Connectors</b>	<b>Power</b>	DC 12V	
	<b>Ethernet</b>	RJ-45	
	<b>Audio</b>	1 In (microphone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")	
	<b>Digital I/O</b>	2 In / 2 Out	
	<b>RS-485</b>	RS-485+ / RS-485- (for recognition data output)	N/A
	<b>Local Storage</b>	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.	N/A
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)	
	<b>Mini USB</b>	Mini USB port on the circuit board (for UMTS)	
<b>LED Indicator</b>		N/A	
<b>General</b>			
<b>Environment Temperature</b>		-40°C ~ 50°C (-40°F ~ 122°F)	
<b>Humidity</b>		10% to 90% (no condensation)	
<b>Power Source</b>		DC 12V, 5A	
<b>Max. Power Consumption</b>		54 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant	
<b>Dimensions (L X W X H)</b>		406 x 145 x 109 mm (16" x 5.7" x 4.3") (Without support rack)	
<b>Weight</b>		With support rack: 3.32 kg (7.32 lb) Without support rack: 2.62 kg (5.78 lb)	
<b>Ingress Protection</b>		IP67	
<b>Vandal Resistance</b>		IK10 for metal casing	
<b>Heater On</b>		-40°C ~ 5°C (-40°F ~ 41°F)	
<b>Fan</b>		Constantly On	

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		GV-LPC2210	GV-LPC2211	GV-LPC2011
				
<b>Capturing License Plates</b>		Yes		
<b>Recognizing Plate Numbers</b>		N/A		
<b>Camera (only for reflective license plates)</b>				
<b>Image Sensor</b>		1/2.8" progressive super low lux CMOS		
<b>Picture Elements</b>		1920 (H) x 1080 (V)		
<b>Camera Type</b>		Color, B/W		
<b>Shutter Speed</b>		Auto, Manual (1/120 ~ 1/2000 sec)		
<b>White Balance</b>		Auto / Manual (2800K ~ 8500K)		
<b>S/N Ratio</b>		52 dB		56 dB
<b>Max. Speed</b>		120 km/h (75 mph)		60 km/h (37 mph)
<b>Operation</b>				
<b>Video Compression</b>		H.264, MJPEG		
<b>Video Streaming</b>		Dual streams from H.264 or MJPEG		
<b>Frame Rate</b>		30 fps at 1920 x 1080		
<b>Audio Compression</b>		G. 711, AAC (optional)	N/A	
<b>Optical Lens</b>				
<b>Megapixel</b>		2 MP		
<b>Lens Type</b>		Motorized Varifocal Lens		
<b>Focal Length</b>		9 ~ 22 mm		3 ~ 9 mm
<b>Maximum Aperture</b>		F/1.2"	F/2.0 ~ F/3.5	F/1.7
<b>Mount</b>		Ø 14 mm		
<b>Image Format</b>		1/2.7"		
<b>Operation</b>	<b>Focus</b>	Auto Focus	Remote Focus	
	<b>Zoom</b>	2.5x optical zoom		3x optical zoom
	<b>Iris</b>	P-Iris		
<b>IR LED Quantity</b>		4 high power IR LEDs	24 IR LEDs	
<b>IR Distance</b>		10 ~ 20 m (32.8 ~ 65.6 ft)		5 ~ 9 m (16.4 ~ 29.6 ft)
<b>Mechanical</b>				
<b>Temperature Detector</b>		Yes		
<b>Connectors</b>	<b>Power</b>	DC 48V, AC 24V (optional), High PoE (PoE++, 120 W)	DC 12V, PoE (IEEE 802.3af)	
	<b>Ethernet</b>	RJ-45		
	<b>Audio</b>	1 In (microphone jack, 3.5 mm / 0.14"); 1 Out (stereo phone jack, 3.5 mm / 0.14")	N/A	
	<b>Digital I/O</b>	1 In / 1 Out		
	<b>TV-Out</b>	BNC connector (640 x 480 resolution)		
<b>General</b>				
<b>Environment Temperature</b>	<b>Start-up</b>	-40°C ~ 50°C (-40°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)
	<b>Operation</b>		-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)
<b>Humidity</b>		10% to 90% (no condensation)		
<b>Power Source</b>		DC 48V 2.5A, High PoE (PoE++, 120 W)	DC 12V, PoE (IEEE 802.3af)	
<b>Max. Power Consumption</b>		50 W	12.3 W	
<b>Regulatory</b>		CE, FCC, RCM, RoHS compliant		
<b>Dimensions (L X W X H)</b>		406 x 145 x 109 mm (16" x 5.7" x 4.3") (without support rack)	142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")	
<b>Weight</b>		With support rack: 3.32 kg (7.32 lb) Without support rack: 2.62 kg (5.78 lb)	810 g (1.8 lb)	
<b>Ingress Protection</b>		IP67		
<b>Vandal Resistance</b>		IK10 for metal casing		
<b>Heater On</b>		-40°C ~ 8°C (-40°F ~ 46.4°F)	N/A	
<b>Fan</b>		Constantly On		

- For GV-LPC2210, if you require AC 24V 3A for optional operation, please specify upon ordering for the correct value of capacitance to be placed in the camera.
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