







Comparison Chart for GV-IP LPR Cameras

		GV-Hybrid LPR Camera 10R	GV-Hybrid LPR Camera 20R
			
Camera (only for reflective license plates)			
Image Sensor		1/3" B/W progressive scan CMOS	
Picture Elements		1280 (H) x 1024 (V)	
Shutter Speed		Automatic, Manual (1/500 ~ 1/8000 sec)	
White Balance		Auto / Manual (2800K ~ 8500K)	
S/N Ratio		50 dB	
Max. Speed		120 km/h (75 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)	
Optical Lens			
Megapixel		Yes	
Lens Type		Varifocal Lens	
Focal Length		5 ~ 50 mm	
Maximum Aperture		F/1.6"	
Mount		CS	
Image Format		1/3"	
Operation	Focus	Manual (w/lock)	
	Zoom	Manual (w/lock)	
	Iris	DC drive	
IR Illuminator		N/A	Yes
IR LED Quantity		4	12 (IR Illuminator only)
Optimal IR Distance		10 m (32.81 ft)	20 m (65.61 ft)
Suggested Range of IR Distance		6 ~ 12 m (19.7 ~ 39.4 ft)	18 ~ 22 m (59.1 ~ 72.2 ft)
Mechanical			
Temperature Detector		Yes	
Connectors	Power	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")	
	Digital I/O	N/A	
TV-Out		BNC connector (640 x 480 resolution)	
LED Indicator		1 LED: Status	
General			
Environment Temperature		-40°C ~ 50°C (-40°F ~ 122°F)	
Humidity		10% to 90% (no condensation)	
Power Source		PoE+ (IEEE 802.3at)	
Max. Power Consumption		48 W	
Regulatory		CE, FCC, C-Tick and RoHS compliant	
Dimensions (L X W X H)		317.5 x 108.5 x 230.57 mm (12.5 x 4.27 x 9.08") (with mounting base)	317.5 x 284.2 x 290 mm (12.5 x 11.19 x 11.41") (including IR Illuminator / with mounting base)
Weight		3.2 kg (0.26 lb)	5.4 kg (11.9 lb) (including IR Illuminator)
Ingress Protection		IP67	
Vandal Resistance		IK10 for metal casing	
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)	
Fan		Constantly On	

All specifications are subject to change without notice.





	GV-LPC1100	GV-IP LPR Camera 5R
		
Camera (only for reflective license plates)		
Image Sensor	1/3" B/W progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)	
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"	
Focus	Auto Focus	
Operation 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, AC 24V 3A, High PoE (PoE++, 120 W)
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector
	Audio	1 In (external microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	1 in / 1 out
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)	-10°C ~ 50°C (14°F ~ 122°F)
Humidity	10% to 90% (no condensation)	
Power Source	DC 48V 2.5A, AC 24V 3A, 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	3.32 kg (7.32 lb) (with support rack)	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	

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Comparison Chart for GV-LPR Cameras

		GV-LPR CAM 10A	GV-LPR CAM 20A
			
Camera (only for reflective license plates)			
Image Sensor		1/3" B/W Exview CCD	
Picture Elements		570 TVL	
Video Standard		EIA and CCIR	
Minimum Illumination	Color	N/A	
	B/W	N/A	
	IR ON	0 Lux	
Shutter Speed		Automatic, Fixed (1/60 ~ 1/100000; Default 1/500)	
White Balance		AWB	
Max. Speed		200 km/h (124 mph)	
Operation			
Video Compression		N/A	
Video Streaming		N/A	
Frame Rate		N/A	
Audio Compression		N/A	
Optical Lens			
Megapixel		N/A	
Lens Type		Varifocal Lens	
Focal Length		5 ~ 50 mm	10 ~ 120 mm
Maximum Aperture		F/1.6"	
Mount		CS	
Image Format		1/3"	
Operation	Focus	Manual (w/lock)	
	Zoom	Manual (w/lock)	
	Iris	DC drive	
IR Illuminator		N/A	
IR LED Quantity		7	24
Optimal IR Distance		10 m (32.81 ft)	18 m (59.1 ft)
Suggested Range of IR Distance		7 ~ 12 m (23 ~ 39.37 ft)	15 ~ 25 m (49.21 ~ 82.02 ft)
Mechanical			
Temperature Detector		Yes	
Connectors	Power	DC Jack	
	Ethernet	N/A	
	Audio	N/A	
	Auto Iris	DC drive	
	Digital I/O	N/A	
	TV-Out	N/A	
LED Indicator		BNC connector (640 x 480 resolution)	
		N/A	
General			
Environment Temperature		-20°C ~ 50°C (-4°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)	
Power Source		12 V DC	
Max. Power Consumption		15 W	30 W
Regulatory		CE, FCC, C-Tick and RoHS compliant	
Dimensions (L X W X H)		315 x 109 x 110.2 mm (12.40 x 4.29 x 4.34") (with sun-shield cover)	425.01 x 155 x 156.75 mm (16.73 x 6.10 x 6.17") (with sun-shield cover)
Weight		4.6 kg (10.14 lb) (with sun-shield cover)	5.0 kg (11.02 lb) (with sun-shield cover)
Ingress Protection		IP66	
Vandal Resistance		N/A	
Heater On		N/A	-30°C ~ 5°C (-22°F ~ 41°F)
Fan		Constantly On	

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