FIXED LPR CAMERA SYSTEM

Missed scans mean putting people and investigations at risk. The L5F fixed license plate recognition (LPR) camera system is a high-performance solution meant for those who never want to miss a passing license plate because they never want to let a threat pass undetected, never want to miss a potential lead and never want to see a case go cold.

With a new, industry-leading image sensor, the L5F provides unprecedented low light performance for accurate license plate and vehicle make and model recognition. A global shutter ensures clear image capture of license plates moving at higher speeds than ever. And an extended range of lens lengths means you have more deployment flexibility to scan vehicles at distances near and far.

Paired with the powerful VLP processor, configure your systems with up to four cameras that will continuously and reliably scan day-in and day-out. Even mix and match our previous-generation cameras within a single system for added flexibility or coverage.

Like all of our license plate recognition camera systems, the L5F seamlessly connects with our suite of software solutions, including Vigilant VehicleManager where data can be further operationalized with patented search capabilities and analytics.



L5F

SCAN MORE. KNOW MORE.



CAPTURE MORE, ACCURATE DATA Collect license plate, make and model information even on vehicles moving at the highest speeds and in the darkest conditions.



POWER THROUGH HIGH TRAFFIC

With a processor that supports up to four cameras scanning at up to 60 FPS each, you can be confident no vehicle passes unseen.



DEPLOY CAMERAS FAR & WIDE

Rely on a flexible system that can be built to meet your exact needs with a variety of camera options and high-powered processing.



SCAN MORE.

MAINTAIN LESS.

Stay in the know with a system that is always up-to-date and will work as long and as hard as you do, in rain or shine, wind or snow.



Go beyond basic alerts and searches with patented analytics and complete control over your data retention and sharing.



L5F LICENSE PLATE READER

DETECT

KEY SPECIFICATIONS

CAMERA		
Focal Length	Capture Distance	Capture Range*
8mm	14 ft	6 - 27 ft
16mm	40 ft	25 - 55 ft
25mm	70 ft	55 - 85 ft
35mm	95 ft	85 - 105 ft
50mm	115 ft	105 - 125 ft
OPTICS		
Window	Shatterproof window	
Resolution	1440x1080 Monochrome global shutter	1400x1080 Color global shutter
Capture speed maximum	150 mph (241 kph)	
Pulsed LED illumination	Zero lux environments 850nm and 750nm options	
VIDEO STREAMING		
ONVIF compliant	H.264/H.265, M JPEG	
HOUSING		
Size	6.9 x 6.5 x 2 in (175 x 165 x 51 mm)	
Mounting	3-axis precision aim lock	
Color	Matte black	
Weight	3.5 lbs (1.59 kgs)	

ENVIRONMENTAL	
Environmental protection protection	IP68 / NEMA4 compliant
Operational temperature	-40°F to 140°F (-40°C to 65°C)
Connector	IP67 rated
ELECTRICAL	
Power consumption	12.95W nominal
Input voltage	POE (IEEE802.3 af PD)
CABLE MANAGEMENT	
Cable length	Up to 328 ft (100 m)
Туре	0 :0 OTD 00 04 AVA/0
Турс	Cat6 STP 22-24 AWG
Connector	10 pin circular- all-weather, impact resistant
	10 pin circular- all-weather, impact resistant
Connector	10 pin circular- all-weather, impact resistant



*Up to 2 lanes of traffic coverage in most scenatios



VLP PROCESSOR

ANAINZE

KEY SPECIFICATIONS

SYSTEM			
CPU	Intel Gen8 Core i7-8700T (12M Cache 2.4GHz up to 4.0GHz)		
Memory	2 x 8GB DDR4 2400 MHz SO-DIMM		
LAN chipset	9 x Intel i210-AT and 1 x i219 (iAMT9.5 w/ i5, i7 only) Gb/s Ethernet Controllers Onboard Support PXE and WOL		
I/O			
Serial port	3 x RS 232/422/485 (Auto direction control)		
USB port	4 x USB 3.0 Ports		
LAN	10 x RJ45 Ports for GbE (Optional for M12 connector and 8 x PoE total Max. 120W)		
Video port	3 x DP Ports		
Wi-Fi adapter	802.11n/g/b		
4G LTE / GPS	Sierra Wireless EM7511 dual SIM card support		
POWER REQUIREMENT			
Power input	12V AC		
Power protection	Automatic recovery and short circuit protection		
Power management	Remote/ignition connection to toggle power		
Power off control	Power off delay time setting by BIOS and software		
SOFTWARE			
Operating System	Ubuntu 18.04 64-bit		

GRAPHICS		
Graphics	Intel® UHD Graphics 630	
Resolution	Max Resolution (DP): 4096 x 2304 @ 60Hz	
STORAGE		
Туре	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA	
ENVIRONMENTAL		
Operational temperature	-40°F - 158°F (-40°C - 70°C), ambient w/0.6m/s airflow	
Storage temperature	-40°F - 176°F (-40°C - 80°C)	
Relative humidity	10% RH – 90% RH (non-condensing)	
Vibration (random)	EC60068-2-64, random, 2.5G @ 5~500Hz,1hr/axis with SSD	
Vibration operating	MIL-STD-810G, Method 514.6, Procedural, Category 4	
Shock	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD	
Certifications	CE, FCC Class A, E13	
MECHANICAL		
Construction	Polycarbonate	
Mounting	Wall or pole mount	
Weight	34.5 lbs (15.65 kgs)	
Dimensions	14.02 x 12.01 x 7.01 in (356 x 305 x 178 mm)	



For fixed camera configurations, the VLP Processor is shipped and contained within a ready to-install communications box for ease of deployment and added protection.

Power input, construction, mounting and dimensions apply to the communications box while weight takes into account the fully configured box with the VLP Processor and wiring within.

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TARGET ALERT SERVICE (TAS)

RESPOND

KEY SPECIFICATIONS

	MINIMUM HARDWARE REQUIREMENTS	RECOMMENDED HARDWARE REQUIREMENTS
HARDWARE		
Processor	Intel(R) Core(TM) i3-4150 CPU @ 3.50GHz 3.50GHz	Intel(R) Core(TM) i7-4770 CPU @ 3.40GHz 3.39GHz
Memory	8GB	16GB
Hard Drive	256GB	500GB
SOFTWARE		
Operating System	MS Windows 10 (Professional Version – 64 bit), Win 8.1, Windows Server 2012 RC2, 2016, 2019	MS Windows 10 (Professional Version – 64 bit), Windows Server 2012 RC2, 2016, 2019
NETWORK		
Ports Utilized	CDFS Socket: 1234 LEARN, CDMS: TCP Port 80, 443 (Wireless to LEARN)	CDFS Socket: 1234 LEARN, CDMS: TCP Port 80, 443 (Wireless to LEARN)
Network Card	1.0 Gbps integrated NIC (no USB adapter)	1.0 Gbps integrated NIC (no USB adapter)





To do license plate recognition well, you need the right tools for the job. We provide the most flexibility and options for capturing license plate data with fixed, mobile, trailer and quick-deploy camera systems, videobased integration and even mobile apps. All of these are equipped with our in-house developed, industry-leading LPR algorithm that is relied upon by law enforcement agencies world-wide.

Beyond ensuring you can collect the data you need, our suite of software solutions, including Vigilant VehicleManager - a part of the LEARN platform, combines robust hot list management and alerting options with patented search and data analytics to equip your team with the insights they need to close more cases, faster.

Our software also keeps you in complete control of your data and systems with camera management, agency-defined data retention and broad data sharing options with built

in memorandum of understanding (MOU) templates for you and your partners.

Lastly, to ensure your program is most successful, your solution is backed by a team who has built our license plate recognition portfolio to be secure and designed for responsible use from the ground up. You also have access to 24/7 support and free in-person, on-demand and virtual training from our expert trainers, all of whom were former users and want nothing more than to help you succeed.

For more information, please visit: www.motorolasolutions.com/L5F

