L5M

Mobile LPR Camera System

With time at a premium and distractions ever-growing, officer attention needs to be prioritized. The L5M mobile license plate recognition (LPR) camera system is a high-performance solution meant for those who want to maximize detections and data collection to ensure their officers are their safest and most productive while on the road.

With a new, industry-leading image sensor, the L5M 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 our modernized in-car user experience makes all the tools officers need to stay alert and conduct investigations easily accessible.

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 L5M seamlessly connects with our suite of software solutions, including VehicleManager where data can be further operationalized with patented search capabilities and analytics.

MOTOROLA SOLUTIONS

Focus your Enforcement

Detect more vehicles you pass

Capture accurate license plate and make and model information on vehicles moving at high speed and in light and dark conditions.

Scan more. Maintain less.

Patrol confidently 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.

Stay in the know as you drive

Our in-car software keeps you informed at all times with real- time alerts, quick search, system monitoring and distraction-free design.

Amplify insight & awareness

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

Deploy your cameras your way

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

Detect
L5M License Plate Reader

Key Specifications

CAMERA		
FOCAL LENGTH	**OPTIMAL CAPTURE DISTANCE**	**CAPTURE RANGE**
6 mm	9 ft	4-20 ft
8 mm	14 ft	6-27 ft
12 mm	22 ft	10-35 ft
16 mm	40 ft	22-55 ft
25 mm	70 ft	55-85 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	22-55 ft

VIDEO STREAMING	
ONVIF compliant	H.264/H.265, M JPEG

HOUSING	
Size	6.9 x 4.5 x 2 in (175 x 114 x 51 mm)
Color	Matte black
Weight	3.5 lbs (1.59 kgs)

ENVIRONMENTAL	
Environmental protection	IP68 / NEMA4 compliant
Operational temperature	-40ºF to 140ºF (-40ºC to 65ºC)
Connector	IP68 rated

ELECTRICAL	
Power consumption	12.5W nominal, 25.5W Max
Input voltage	POE+ (IEEE802.3 af PD)

CABLE MANAGEMENT	
Cable length	Up to 328 ft (100 m)
Type	Cat6 STP 22-24 AWG
Connector	10 pin circular- all-weather, impact resistant

CAMERA ACCESSORIES	
Part #	Contact your sales representative for camera accessories part numbers
Description	Magnet mounts, lightbar mounts, and make/model specific roof/trunk mounts

Analyze
VLP Processor

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 Support

POWER REQUIREMENT	
Power input	12V DC
Power protection	Automatic Recovery - 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 64bit

GRAPHICS	
Graphics	Intel® UHD Graphics 630
Resolution	Max Resolution (DP): 4096 x 2304 @ 60Hz

STORAGE	
Type	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-mount
Weight	11.44 lbs (5.19 kgs)
Dimensions	10.24 x 9.84 x 3.74 in (260 x 250 x 95 mm)

Respond

Cardetector
Mobile

Key Specifications:

HARDWARE		
	MINIMUM HARDWARE REQUIREMENTS	**RECOMMENDED HARDWARE REQUIREMENTS**
Processor	Intel Core i3-8145U @ 2.10GHz (or 3,847+ PassMark Score). NOTE: x86 CPUs only, No ARM CPUs	Intel Core i7-3632QM Processor (or 6,929+ PassMark Score). NOTE: x86 CPUs only, No ARM CPUs
Memory	8 GB	16 GB
Hard Drive	256GB+ HDD @ 7200RPM	256GB+ SSD or NVME
Network Adapter	Gigaibt USB to Ethernet Adapter. NOTE: Requires USB 3.0 Port	Onboard Gigabit Ethernet Port

SOFTWARE		
Operating System	Windows 8.1 64-Bit	Windows 10 64-Bit

NETWORK	
Ports Utilized	LAN: 2000, 3000, 3310, 4000, 5000 | WAN: 443, 8888

Focus Your Enforcement

Built To Keep Communities Safer.

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, video-based 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 VehicleManager, 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 group and user-based access control, 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 and virtual training from our trainers, all of whom were former users and want nothing more than to help you succeed.

To learn more, visit:
www.motorolasolutions.com/L5M

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