

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.





Focus your Enforcement

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 VIP Edge Appliance, 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.



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.



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.



Amplify insight & awareness

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



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.



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.



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 | 180 mph (289 kph) | |
| Pulsed LED illumination | Zero lux environments 850nm | 8-85 ft |

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 | -40°F to 140°F (-40°C to 65°C) |
| Connector | IP68 rated |

ELECTRICAL

| | |
|-------------------|--------------------------|
| Power consumption | 12.5W nominal, 25.5W Max |
| Power source | 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

VIP Edge Appliance

Key Specifications



SYSTEM

| | |
|-------------|---|
| CPU | Intel Gen10 Core |
| Memory | 2 x 16GB |
| 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

| | |
|---------------|---|
| USB port | 4 x USB 3.0 Ports |
| LAN | 6 x PoE Ports (total Max.120W) 2 x RJ45 for GbE |
| Video port | 1 HDMI Port |
| Wi-Fi adapter | Embedded Wi-Fi 6E (6GHz), Bluetooth 5.2 |

POWER REQUIREMENT

| | |
|-------------------|---|
| Power input | 9 - 60V 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 |

GRAPHICS

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

STORAGE

| | |
|------|--|
| Type | 256GB Internal M.2 1 x 2.5" SATA Expansion Drive Bay |
|------|--|

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 |

DIMENSIONS

| |
|---|
| 9.45 x 9.53 x 3.35 in (240 x 24 x 85mm) |
|---|



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



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. motorolasolutions.com

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. ©2024 Motorola Solutions, Inc. All rights reserved. 02-2025 [EV08]