

Brochure

# Do more than just detect

Build your license plate recognition program with  
purpose-built cameras & advanced software



**MOTOROLA** SOLUTIONS





# To clear more cases, you need more leads

Every day that passes, the chances of solving a case become slimmer and slimmer. Witnesses' memories fade and new cases get added to the pile with fresher evidence, clearer facts and better solvability ratings.

To avoid growing your case backlog your options are either solve cases quicker or, ensure they stay relevant with actionable information that you can act on quickly to keep the investigation moving forward.

License plate recognition (LPR) has been used for decades across the world by law enforcement agencies to help generate leads and close cases. LPR camera systems deployed in fixed, portable and mobile configurations take photos of vehicles and accurately extract license plate, make and model data with date, time and GPS. Detections can trigger real-time alerts to improve safety and productivity, but more importantly, can be searched and analyzed to uncover insights that aid investigations and inform future decisions.



## Detect

Collect license plate, make, model, location date and time data from passing vehicles.



## Analyze

Stored detection data can be searched and analyzed to generate actionable leads.



## Respond

Detections of hot listed vehicles can notify users for an immediate response.





# The most complete LPR solution available

Our end-to-end LPR solution gives you the tools needed to build a successful LPR program, from a wide range of cameras and a best-in-class algorithm to a patented analytics and AI-powered search that identifies vehicles by more than just a license plate.

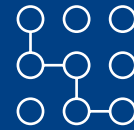
We provide unparalleled control over data retention and easy data sharing with agency partners, so you can solve cases, hot or cold. And to ensure responsible use of LPR technology, our solutions are built to be compliant with industry security standards.



Detection



Investigation



Integration





# Our camera portfolio

## One size does not fit all

To be most effective with your LPR program you will need cameras that are designed for the results you want to achieve. This is why we provide various cameras, mobile applications and even LPR integrations for existing camera systems to help you collect the data that makes a difference.

### Purpose-built LPR cameras



L5F

Deploy this high-performance fixed camera system on high-speed, high-traffic volume roadways to create a virtual fence around your jurisdiction.



L5M

Install this high-performance camera system on vehicles to provide 360° coverage for officers and keep them more informed. Also available in a trailer configuration.



L6D

See the bigger picture with this single camera that delivers both accurate, multi-lane LPR data as well as high quality color security video.



L6Q

Fill the gaps in your network with this tactical, quick-deploy camera system option that is completely self-contained, portable and can run on battery or solar power.

### Other cameras, apps & integrations



LinC

Get more return on your existing video investments with this over-the-top LPR integration that can be deployed in any architecture and on most cameras.



M500

Get the best of both worlds with this AI-enabled in-car video system that not only records evidentiary video, but is also equipped with LPR on the front-facing camera.



Mobile Companion

Take the benefits of LPR with you anywhere you go with this Android or iOS app that enables LPR data capture, search and analytics access and real-time alerting.





# Why so many options?

Different use cases require different cameras. Each of our options help facilitate LPR data capture in the way that makes sense for your desired outcomes.



Looking to intercept vehicles of interest entering your jurisdiction? Deploy L5F cameras at critical points of entry.



Want to see more than just a vehicle? Install the L6D to capture both vehicle data and surrounding video context.



Need a temporary, targeted deployment for a specific investigation? Quickly install and activate the L6Q.



Want to direct officer patrol efforts more to make them more productive? Add L5M cameras to patrol vehicles.



Looking to add a layer of safety for officers during a traffic stop? Invest in the M500 for in-car video and LPR.



Want to expedite vehicle canvassing at a crime scene? Have officers download Mobile Companion.



Do you have existing security cameras installed at key sites you need to protect? Equip them with LinC.



## Buy or subscribe? The choice is yours

To give you the most flexibility, you can purchase our cameras outright or as-a-service. By procuring as-a-service you get all the value of license plate recognition while minimizing upfront investment and adding predictability and visibility to your spend.

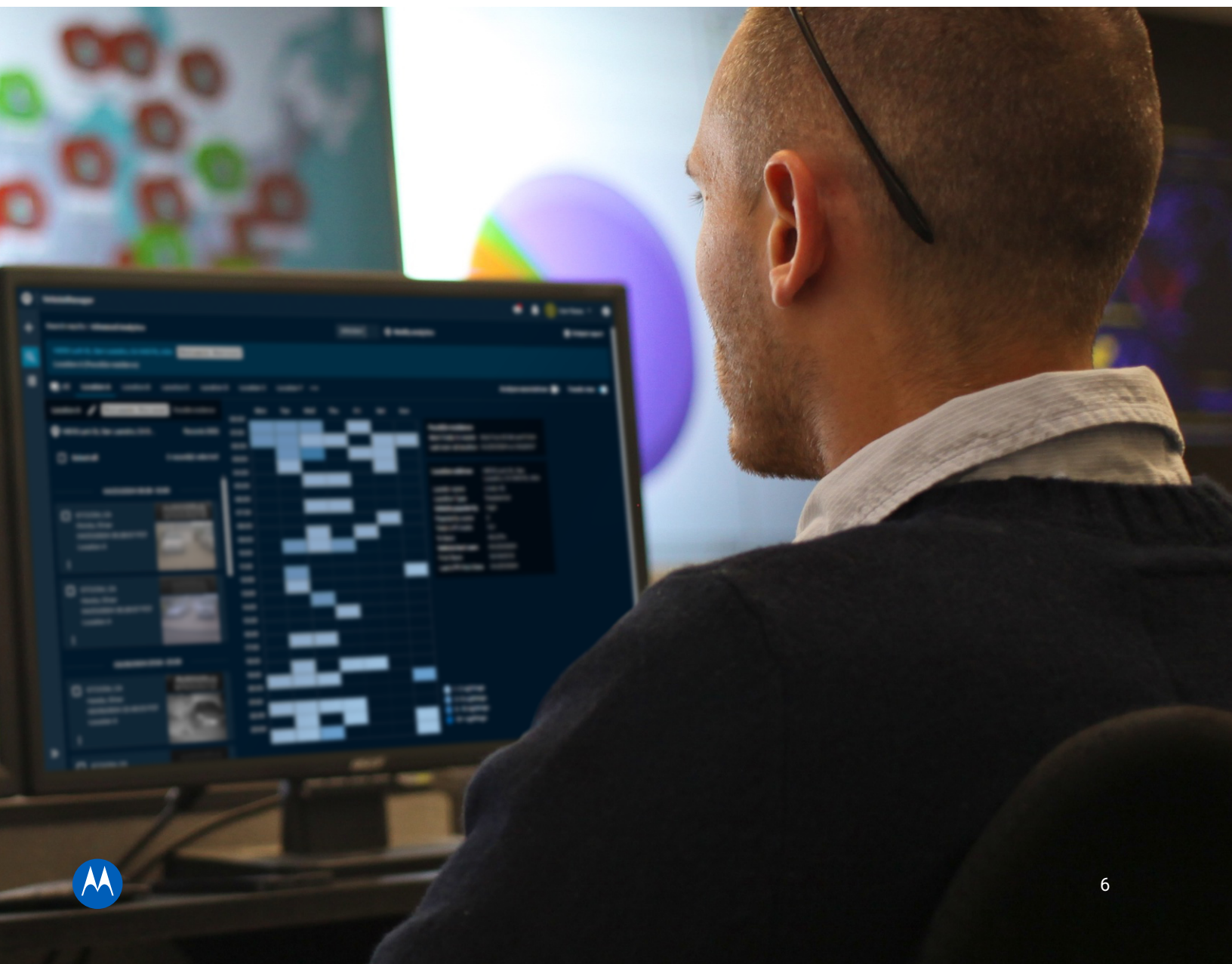


# VehicleManager

## Software that makes a difference

Take your agency beyond simple license plate searches and hot list alerts in order to find vehicles of interest faster.

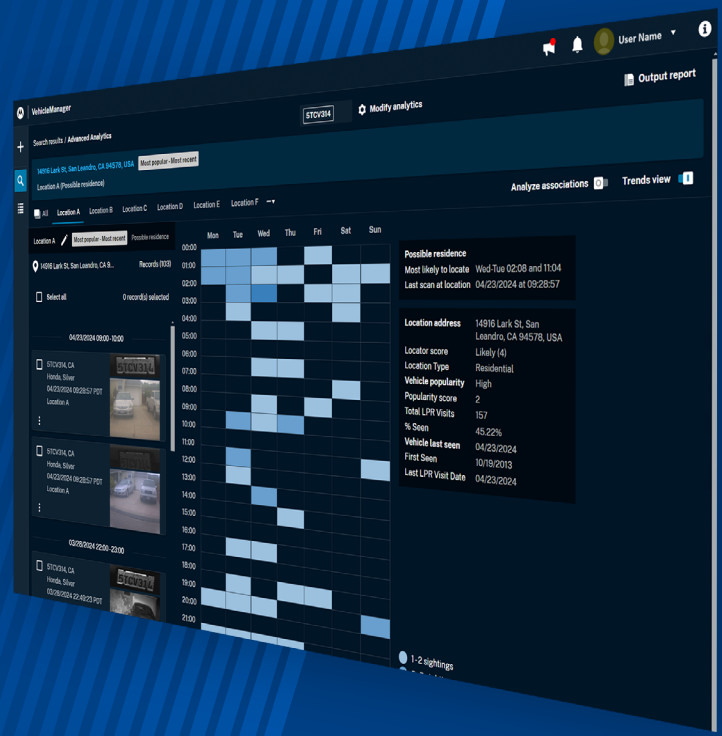
VehicleManager is a vehicle location intelligence solution that builds upon license plate recognition basics with patented, powerful analytics. It is uniquely designed to help your team instantly transform license plate recognition data into actionable intelligence.





# Find the needle in a haystack

Easily search for, find and review the location history of a vehicle of interest and determine where it may be located in the future. VehicleManager provides complete and partial plate search capabilities with date and time filters to focus on detections that are most relevant. Detection data is intuitively displayed in a timeline view as well as on a map with integrated Google Street View. And when you're ready to intercept your vehicle of interest, VehicleManager provides a best-address location and time-of-day, day-of-week heat map to determine when the vehicle is most likely to be there.



## Find a suspect on the run

By doing a comprehensive Plate Location Analysis you can use historical vehicle location data to determine potential locations they might be hiding out and when to intercept them.



## Confirm a hit & run vehicle

Even with a partial plate, run a search for a vehicle. Results include a full vehicle image that can be used to verify with a witness a vehicle they saw involved in the hit and run.



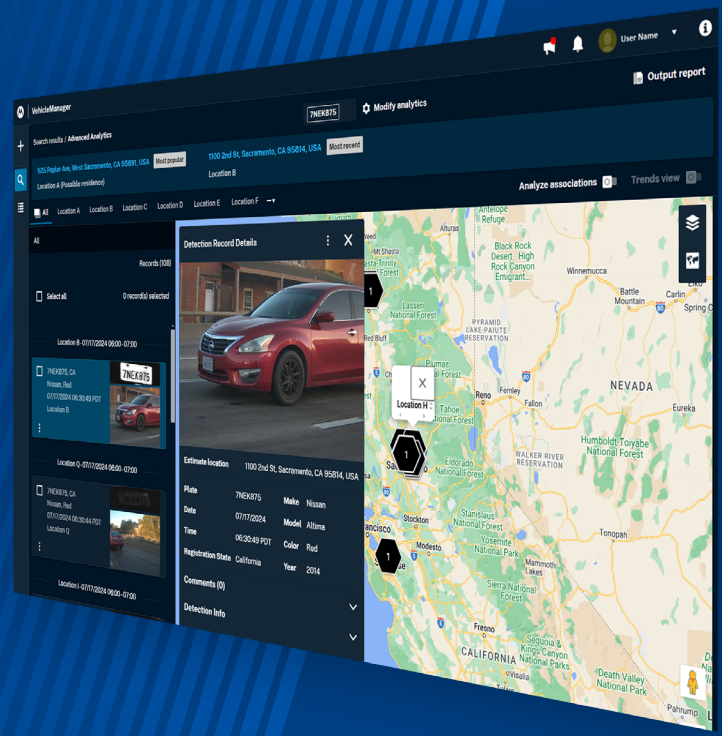
## Expedite your analysis

For CommandCentral Records users, when a vehicle is added to an incident report, an indicator will appear if detections exist and allow you to open up a QuickSearch result with one click.



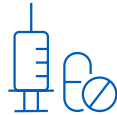
# Discover new vehicle leads

Jumpstart your investigation by identifying vehicles you may not have known were connected to each other or specific locations. Our location-based, stakeout search capability allows you to create a geo-fence, set a time and date range and even apply vehicle year, make and model filters to find a vehicle that has frequented a specific area. Even search across locations to find a vehicle common to multiple areas. Looking for multiple vehicles? Once you've identified your vehicle of interest, conduct an associate or convoy analysis to determine others which have been sighted parked near or travelling with your target vehicle.



## Solve a series of burglaries

Common plate analysis can help you generate a suspect lead by identifying a vehicle which has been previously sighted at the various locations of a series of burglaries.



## Combat drug trafficking

Using convoy analysis, easily identify vehicles travelling together as part of a trafficking convoy so you can generate new leads, establish connections and build a stronger case.



## Disrupt a car theft ring

Leveraging associate analysis, identify vehicles who have been seen together so you can verify a potential accomplice and getaway car used during a string of vehicle thefts.



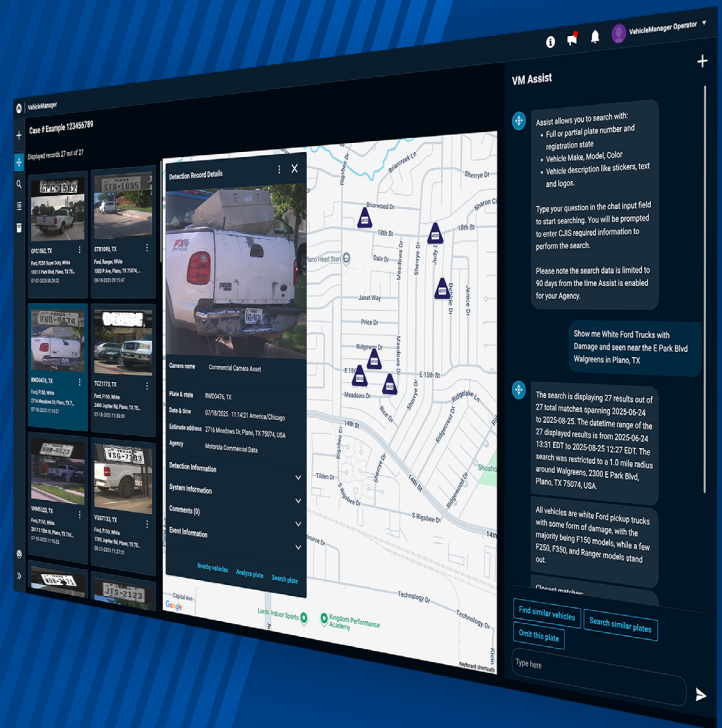


# Streamline investigations with Assist AI

Streamline your vehicle investigations and find critical information faster with Assist in VehicleManager. This AI-powered tool enhances traditional search methods with natural language search.

Simply type a description of the desired vehicle (e.g., "Gray Chevy Tahoe seen this morning" or "pickup truck with a ladder rack") into the intuitive Assist panel. The conversational interface helps iteratively refine the search with additional details, speeding up the process of locating vehicles of interest - even without a license plate.

Assist in VehicleManager operates exclusively and securely on your agency's data within VehicleManager, and all queries are fully auditable for transparency.



## No license plate? No problem.

Find vehicles without a license plate. Just describe the vehicle of interest in natural language - make, model, color - and Assist will find (and map) matching images.

## But don't stop there...

Assist AI recognizes additional aspects of the vehicle - like accessories, damage, and promotional writing or bumper stickers - to help narrow your search.

## Focus your search with geoboundaries

If you're focused on a particular geographic region, simply draw the boundary on the map. This narrows the search results to just vehicles spotted in that area.

## Vehicle environment context

Assist AI recognizes the vehicle's surroundings. If you're looking for a vehicle spotted on a highway or near a park, you can further refine the results.



# Heighten your awareness

Configure hot lists and alerts for vehicles of interest to your agency and partner agencies. Hot list creation can be done at the individual, group or agency level with provisions for who has access. To enhance collaboration with law enforcement partners, you can also share and subscribe to hot lists. To receive alerts when a hot listed vehicle is detected, you have various options at your disposal.



Officers on patrol can receive alerts on their in-car LPR software or on their smartphone with push notifications from Mobile Companion.



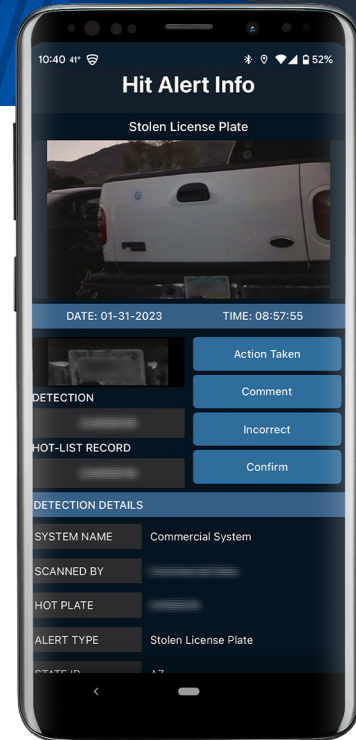
Dispatch can use our dedicated web-based interface, VehicleManager Alerts, to receive alerts and send units to respond.



Detectives and command staff can receive alerts via text or email or also download Mobile Companion for push notifications.



Real-time crime center analysts with CommandCentral Aware can receive alerts on their map and incident monitor.



Receive an alert and want to do some additional investigation? VehicleManager is cloud-based and available on desktop or mobile meaning that it can be accessed from anywhere you have an internet connection and through any device.

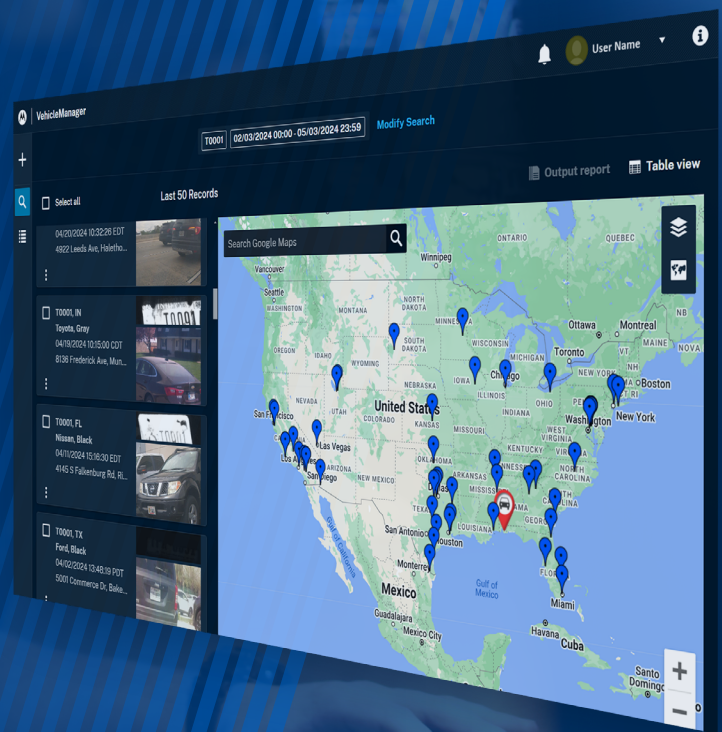




# Stay in control

## Data & system management

More important than the search, analytics and alerting capabilities is the data itself that they use. Without the LPR detection data at your disposal, these powerful features can be rendered useless. This is why VehicleManager allows you to choose who you share your data with and how long it's retained. Additionally, beyond being the centralized location to manage your LPR camera network, it allows you to also ingest LPR detection data from third party systems.



## The pillars of data management



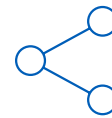
### Camera network

Collect detection data from any LPR camera systems.



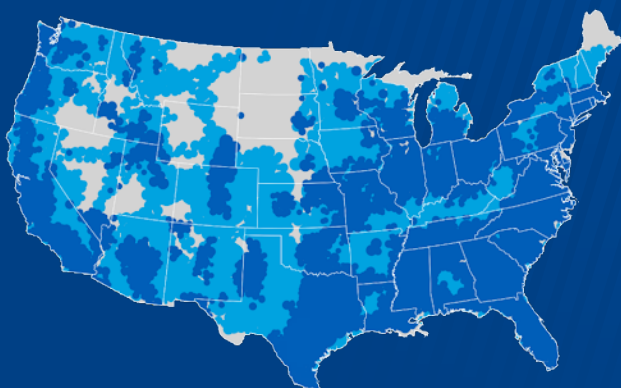
### Data retention

Set retention rules based on what works for you - not us.



### Data sharing

"Grow" your network with agency and business partners.



## The data sharing network effect

3,734+

agencies and business partners  
capable of data sharing

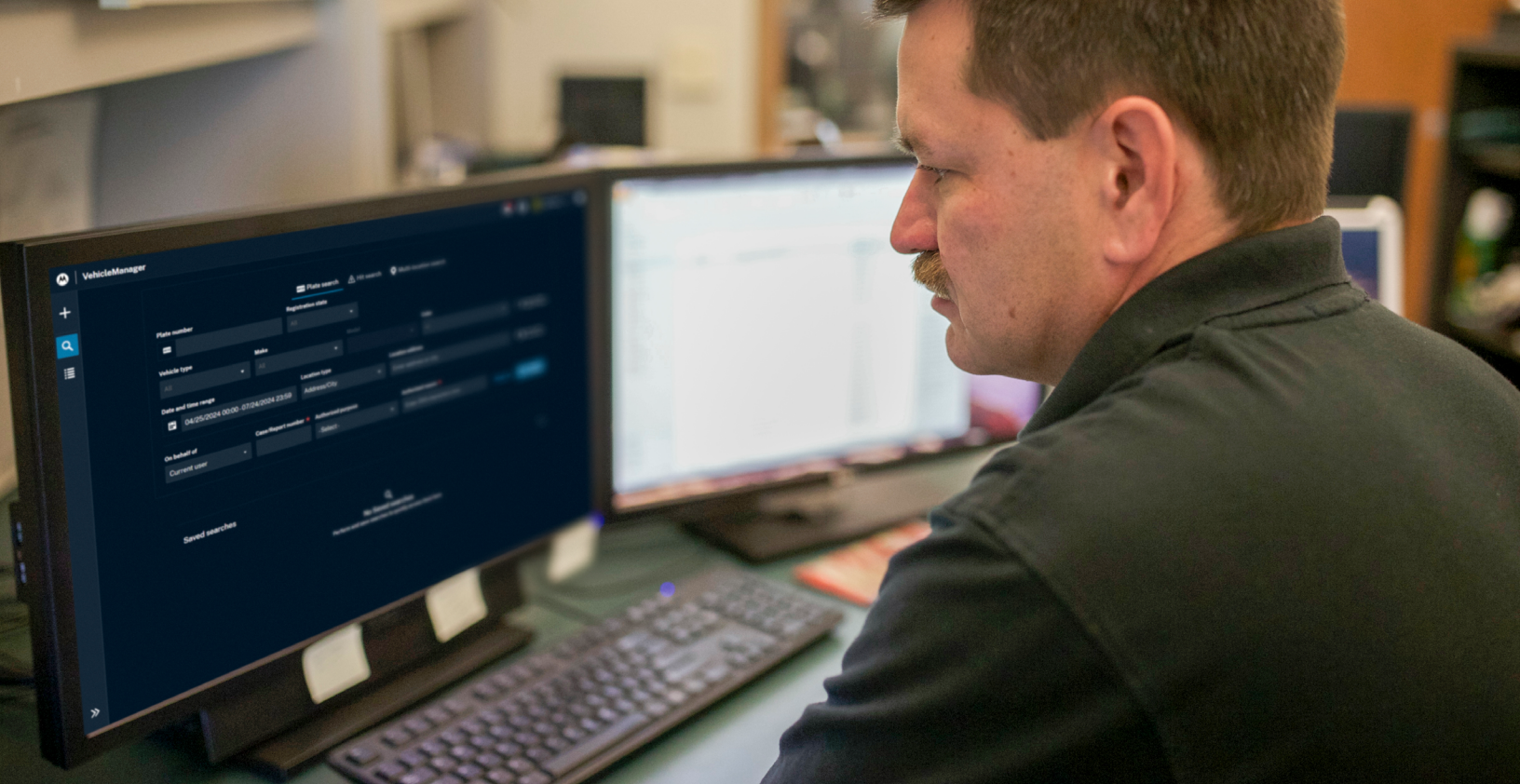
100.1M+

daily detections from agency and  
business partners

850K+

daily hot list alerts initiated for  
vehicles of interest





## Secure & responsible by design

Deploy LPR responsibly with standards-based security built in from the ground up, and automatic updates that keep you protected. With our solutions, your data is protected and its integrity is verifiable with end-to-end encryption and hashing. Access to your system requires authentication from a secure web-browser and you can provision users and groups to only have access to certain features or capabilities. Within the system, every keystroke and user action is recorded, with additional usage justification requirements for certain functionality, so that detailed audits can be conducted and accountability is never compromised.

A part of having a secure system is making sure that you're staying up to date. That is why we routinely deliver system updates to you that not only keep you secure, but bring you our best, most powerful new features as soon as they are ready. Software updates for VehicleManager occur automatically and almost always include advance notification with information on enhancements. Camera system updates can be configured to happen automatically or can be manually pushed out to your network if you so desire.

### Expert Training & 24/7 Support

Becoming an LPR power user doesn't happen overnight. That is why our training team offers on-site, virtual and on-demand training for our entire portfolio. You can even access training if you're not a customer to see if our solutions are right for you as long as you have law enforcement credentials. Our training team is all former users who have been in your shoes and come from agencies large and small. With a broad variety of experiences as officers, detectives and analysts, they'll even provide assistance on specific cases if needed.

And while we hope you never need it, our support team is always available to help. Call or email and our technicians will work with you to troubleshoot and fix any issues with your system. If you have a faulty camera or need a license key, we also have online forms available to expedite the return authorization process or license key lookup.







# Build a safer city with license plate recognition

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, powerful 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.

To learn more, visit: [www.motorolasolutions.com/lpr](http://www.motorolasolutions.com/lpr)



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