

ALPR SYSTEMS



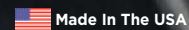
2022 Product Catalog
ELSAG® Automatic License
Plate Reader/Automatic
Number Plate Reader
Technologies



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Selex ES Inc, a Leonardo Company.



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With 70% of criminal activity in the U.S. involving a vehicle, ELSAG® Plate Hunter ALPR systems are critical to addressing many missions.

REAL TIME INTERVENTION

- › SILVER and AMBER Alerts
- › Auto theft recovery
- › Highway and traffic safety
- › Homeland security
- › Perimeter security
- › Speed enforcement
- › Probable cause generation
- › Rental contract violations

REVENUE COLLECTION

- › Garage and lot access
- › Parking enforcement
- › Scofflaw violations
- › Tax collection
- › Toll collection

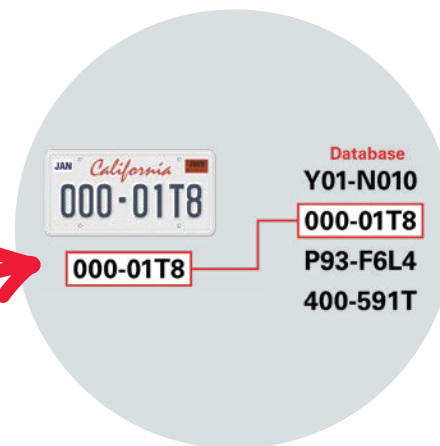
INTELLIGENCE GATHERING

- › Suspect surveillance
- › Link analysis
- › Traffic pattern analysis
- › Convoy analysis
- › Cross search analysis

ELSAG® Plate Hunter In Action

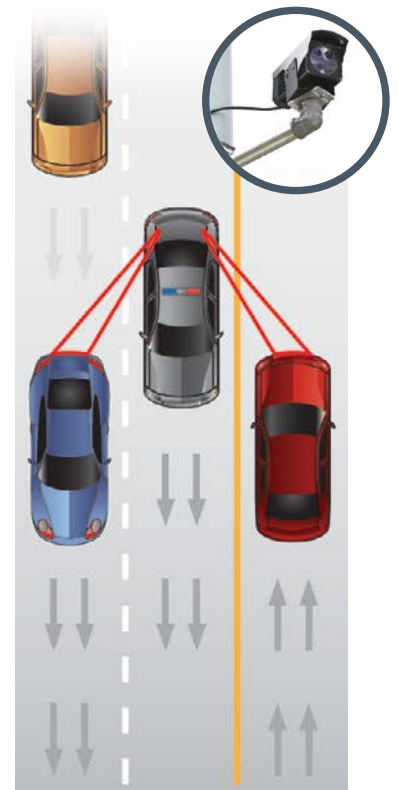
Digital ELSAG® ALPR cameras are securely mounted to the patrol car or to infrastructure like a utility pole or sign gantry.

- 1 Patrolling officers and fixed cameras scan plates of passing vehicles, capturing license plate numbers, date/time stamps and GPS locations. Data is sent to the ELSAG Enterprise Operations Center.
- 2 An infrared camera captures images of each plate and a color camera captures overview images of each vehicle.
- 3 A computer reads the plate characters and compares them with a hot list.
- 4 Officers are instantaneously alerted of a match.



ELSAG® Plate Hunter Performance

- › Cameras read license plates, day or night, in any weather.
- › Mobile systems process plates on parked and moving vehicles.
- › Plates are processed at up to 150 mph (241 kph) closing and passing speeds.
- › Plates are recognized using specially designed protocols for each jurisdiction in which the systems are deployed.
- › Alerts are sent to officers, command centers and other patrol cars instantaneously, upon identifying a suspect vehicle.
- › Captured data includes date/time stamps, GPS coordinates and photo of the license plate and vehicle.
- › Fixed cameras can be configured to capture the speed of passing vehicles for statistical data collection.
- › Mobile systems can be configured to transfer easily from vehicle to vehicle.
- › Hot list updates are wirelessly received and transmitted.



ELSAG ALPRs are also powerful parking enforcement tools.



PROUDLY MADE IN THE USA

ELSAG® PLATE HUNTER ALPR HARDWARE IS DEPENDABLY LAW ENFORCEMENT TOUGH



ELSAG MOBILE PLATE HUNTER® ALPR SYSTEM

The ELSAG Mobile Plate Hunter® is the most accurate mobile Automatic License Plate Recognition (ALPR) system available. Digital cameras mounted to the exterior of a patrol car read license plates while stationary or at highway speeds, comparing each to a hot or white list stored on the in-car computer. If the ELSAG Mobile Plate Hunter reads a license plate contained on one of the lists, alarms automatically broadcast to the operator and the command center. The ELSAG Mobile Plate Hunter aids a variety of missions such as recovery of stolen vehicles and plates, identification of unlicensed drivers, collection of delinquent taxes/fines and fees for other scofflaw activities, aiding of Homeland Security, and many more.



ELSAG® FIXED PLATE HUNTER ALPR SYSTEM

The ELSAG Fixed Plate Hunter ALPR system can be mounted to bridges, overpasses and other structures to constantly monitor sensitive areas. Cameras with a built-in processor, a field control unit (FCU) and proprietary software, capture images of license plates, cross-checking each with hot or white lists to identify vehicles of interest. Alarms broadcast in real time to a command center, patrolling vehicles, and/or mobile devices for immediate reaction. Data captured can be reviewed for relevant periods of time, aiding investigations. The ELSAG Fixed ALPR can also determine a vehicle's speed. Speed data can provide valuable traffic statistics, identify patterns, and automatically detect traffic anomalies.



ELSAG® VPH900

The ELSAG VPH900 uses a software solution to convert image and video clips from select IP cameras into usable data that identifies the license plate number and creates a record that includes date, time, and location. These records can be automatically loaded and archived in the ELSAG® EOC data management system which has been selected by some of the world's largest police departments for its robust analytical capabilities. Plate numbers can be automatically compared to hot or white lists to identify vehicles and generate alarms in real time.



ELSAG® STREET SENTRY ALPR SYSTEM

The ELSAG Street Sentry is a solar-powered fixed ALPR system that economically aids law enforcement with real-time vehicle interdiction and investigations on city streets and in neighborhoods. This low-cost, autonomous system requires only a pole for installation. Just one ELSAG Street Sentry is highly effective at increasing agency productivity by reading and processing license plates 24/7 to identify vehicles of interest. Multiple deployments can create an ALPR safety net in areas around your community that need additional policing. The ELSAG Street Sentry is ideal for helping to secure community borders, parks and other public areas, high-traffic intersections, and high-crime areas.

OUR ALPR SOFTWARE SUPPORTS ELSAG® PLATE HUNTER SYSTEMS AND ENHANCES PERFORMANCE FOR SPECIFIC APPLICATIONS



ELSAG® CARSYSTEM

The ELSAG CarSystem application monitors the activity of the ELSAG ALPR cameras connected to the onboard computer. It gives the user a view of the license plate reads, alarms generated by those reads when compared against hot lists, and reports the status of the system. Other features of the ELSAG CarSystem include a pending alarm view, officer notes field and built-in camera controls.



ELSAG® ENTERPRISE OPERATIONS CENTER

Leonardo's back office operations center, the ELSAG Enterprise Operations Center (ELSAG EOC), is the brain that manages all ELSAG Plate Hunter® mobile, fixed and custom Automatic License Plate Recognition (ALPR) cameras with enhanced features for data security, access and auditing. The ELSAG EOC uploads and archives both read and alarm data coming from all the vehicles and fixed cameras, and also manages the distribution of the plate database, or hot list, to ALPR units. The ELSAG EOC software includes a website that allows remote access to data by authorized users. ALPR data stored in the ELSAG EOC can be queried and analyzed to aid investigations.



ELSAG® ALPR PARKING MANAGEMENT SOLUTIONS

Leonardo solutions for parking bring efficiencies to management and enforcement. The ELSAG Plate Sentry powered by gtechna® automates parking lot management and handles parking issues, such as payment latency, overbooking and overflow, with minimal supervision and physical attendance. Leonardo's ELSAG ALPR hardware easily adapts to parking management via a unique API capable of integrating ALPR data with other parking software. And the ELSAG VPH900 software integrates with your IP cameras to provide more robust ALPR parking management and enforcement.



ELSAG® CLOUD STORAGE SOLUTION

Store your ELSAG ALPR data on a CJIS-compliant virtual server with Leonardo's ELSAG Cloud Storage Solution (ECSS). ECSS assists agencies with the IT responsibilities and costs associated with managing an ALPR data server. Leonardo will become your IT support for the virtual server, allowing your personnel to focus on their investigations. Your agency will retain complete ownership and control of the ALPR data, with the flexibility to meet jurisdictional storage and sharing policies.

ELSAG® CUSTOM ALPR SOLUTIONS

For missions that require discretion, ELSAG® automatic license plate recognition (ALPR) systems are concealed in apparatus or compartments that fit in naturally with their surroundings. These clever systems are nearly undetectable by anyone passing by as they read license plates to identify suspect vehicles. These powerful systems identify license plates connected to auto theft, child predators, warrants, scofflaws, uninsured vehicles, revoked driving privileges, parolees, and more.

Features

- › All ALPR components fit in custom housing: cameras, sensor, processing unit, independent power source.
- › Each custom system reads license plates day and night, in any weather, capturing plate numbers, photos of the car, GPS coordinates and date/time stamps.
- › For each plate read, the ALPR system automatically compares the plate number to hot list databases to identify suspect vehicles.
- › For every suspect vehicle identified, alarms instantaneously broadcast to a command center, laptop or PDA (not included) within wireless range (0.5 Mile average).
- › Each custom solution is easy to move to a different area or switch to a different vehicle.



ELSAG® PLATE HUNTER CUSTOM BARREL CAMERA

ALPR cameras read plates from inside a construction barrel, as vehicles travel through key areas or along corridors. Each suspect plate generates an alarm, sent to nearby officers for immediate interdiction.



ELSAG® PLATE HUNTER CUSTOM TOOLBOX

ALPR cameras are disguised in the diamond plate side of the toolbox. The surveillance vehicle can read license plates when parked or moving.



ELSAG® PLATE HUNTER CUSTOM CARGO CARRIER

A full ALPR system packs neatly into a common cargo carrier, reading plates from vehicle rooftops, day and night. ALPR cameras can read plates when parked or moving.



ELSAG® PLATE HUNTER CUSTOM POLE CAMERA

ALPR cameras covertly read license plates from poles, gates and other structures. The housing resembles a utility box featuring a “weathered” patina. A swivel bracket allows 30 degrees of camera positioning for surveilling wide expanses.



ELSAG® PLATE HUNTER CUSTOM RADAR TRAILERS & VARIABLE MESSAGE BOARDS

ALPR cameras mounted to trailers turn these standard enforcement tools into plate readers. Cameras can be fully or semi-concealed and can face backward or forward. A variety of models are available to meet mission needs.

**Deploy ELSAG
custom ALPR
solutions for
missions that
require discretion.**

INSTALLATION AND SUPPORT

A Leonardo Certified Technician will visit your agency for all hardware and software installations. If software installation is the only requirement, your agency will be able to connect remotely with Leonardo's Technical Support Team to complete the software installation and configuration via phone and internet. For fixed camera installations, a Leonardo ELSAG ALPR Specialist will conduct a site survey and develop an installation plan for your agency, then Leonardo Technicians will coordinate the fixed installations. Our goal is to provide solutions that meet the demands of our customers' missions. Engineering support is available for custom designs and installations. For pricing and more information contact us at 1 (877) 773.5724 or info@leonardocompany-us.com.

For technical support, call 1 (866) 967.4900.

LIMITED ONE-YEAR WARRANTY AND EXTENDED WARRANTY PLANS

A one-year limited warranty is included with the purchase of the Leonardo ALPR hardware. Extended warranty and service plans are available for purchase for additional years of coverage. For details please call 1 (877) 773.5724 or email warrantywizard@elsag.com.

*Leonardo is legally registered in the U.S. as Selex ES Inc. for several procurement contracts including:
GSA Schedule 84 Contract #GS-07F-0004Y
Multi State HIRE Contract #PC66814*



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