



ANPR SYSTEMS

2023 PRODUCT CATALOGUE

ELSAG® Automatic Number Plate
Reader Technologies

Contact 03 9117 7611

 **LEONARDO**

WITH OVER 95% OF CRIME COMMITTED IN AUSTRALIA INVOLVING A VEHICLE, ELSAG PLATE HUNTER® ANPR 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

Intelligence Gathering

- Data extraction tools are available to assist with data exports to other systems
- Suspect surveillance
- Link analysis
- Traffic pattern analysis
- Convoy analysis
- Cross search analysis
- All enhanced searches

ELSAG Plate Hunter In Action

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

- 1. Image Capture:** Plate reader cameras capture high-resolution images of number plates as vehicles pass by. The cameras may be mounted on stationary objects such as poles, overpasses and buildings, or they may be part of a mobile system installed on a vehicle.
- 2. Character Recognition:** Customized neural networks are used to recognize and extract characters from the number plates and are the basis for the machine learning capabilities used for the perpetual improvement in number plate and character recognition.
- 3. Character Analysis:** Once the characters have been recognized and converted into text, the ANPR system can perform various analyses on the data. This may include checking the number plate against a database of stolen or wanted vehicles, searching for matches to specific number plates of interest related to a crime, or monitoring the movements of suspect vehicles over time.
- 4. Alert and Response:** If the ANPR system identifies a number plate that matches hot list criteria or requires further investigation, it generates an alert for law enforcement or security personnel to respond accordingly.

ELSAG Plate Hunter Performance

- Cameras read number plates, day or night, in any weather.
- Mobile systems process plates on parked and moving vehicles.
- Plates are processed at up to 241 kph (150 mph) closing and passing speeds.
- Plates are recognized using specially designed protocols for each jurisdiction in which the systems are deployed.
- Captured data includes vehicle make, type, and colour, date/time stamps, GPS coordinates, and photo of the number plate and vehicle.
- Mobile systems easily transfer from vehicle to vehicle.
- Hot list updates are sent to in-car laptops wirelessly.
- Proudly Made in the USA.

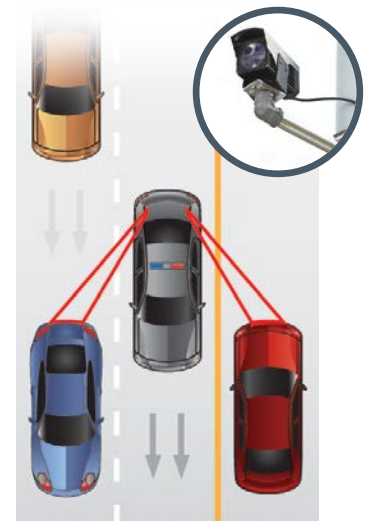
Camera Read



324 · NTR

Database

625 · XAN
324 · NTR
107 · EEY
974 · BMA



ELSAG ANPRs are also powerful parking enforcement tools.



ELSAG Plate Hunter ANPR Hardware is Dependably Law Enforcement Tough



ELSAG MOBILE PLATE HUNTER ANPR SYSTEM

The ELSAG Mobile Plate Hunter® is the most accurate mobile automatic number plate recognition (ANPR) system available. Digital cameras mounted to the exterior of a patrol vehicle read number plates while stationary or at highway speeds, comparing each to a hot or white list to identify suspect vehicles. Every suspect-vehicle read triggers the real-time broadcasting of alarms to nearby officers and the command center. The ELSAG Mobile Plate Hunter aids a variety of missions such as recovery of stolen vehicles and plates, identification of unregistered vehicles, homeland security, and many more.



ELSAG FIXED PLATE HUNTER ANPR SYSTEM

The ELSAG Fixed Plate Hunter ANPR system is mounted to bridges, gantries 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 number 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.



ELSAG VIDEO PLATE HUNTER® 900

The ELSAG VPH900 uses a software solution to convert image and video clips from select IP cameras into usable data that identifies the plate number and creates a record that includes vehicle make, type, and colour, plus 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® ANPR SYSTEM

The ELSAG Street Sentry is a solar-powered fixed ANPR 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 number plates 24/7 to identify vehicles of interest. Multiple deployments can create an ANPR 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 ANPR Software Supports ELSAG Plate Hunter Systems and Enhances Performance for Specific Applications



ELSAG CARSYSTEM

The ELSAG CarSystem application monitors the activity of the ELSAG ANPR cameras connected to the onboard computer. It gives the user a view of the number 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 ELSAG Enterprise Operations Center (ELSAG EOC), is the brain that manages all ELSAG Plate Hunter mobile, fixed and custom automatic number plate recognition 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 ANPR units.

The ELSAG EOC software includes a website that allows remote access to data by authorised users. ANPR data stored in the ELSAG EOC can be queried and analyzed to aid investigations.



ELSAG ANPR PARKING MANAGEMENT SOLUTIONS

ELSAG ANPR parking management solutions integrate with new and legacy systems, reading number plates 24/7 to aid time-limit and permit enforcement, as well as scofflaw detection. ELSAG ANPR brings substantial efficiencies to daily operations such as session generation, lot/garage inventory, fee payment, enforcement, and security. Our ANPR solutions integrate with virtually any parking service vendor, consolidating their data with ANPR data in the ELSAG Enterprise Operations Center. This robust data management system allows you to manage all data — regardless of vendor — from one single software program, streamlining daily operations with ease.



ELSAG CLOUD STORAGE SOLUTION

Store your ELSAG ANPR data on an Australian Signals Directorate (ASD) cyber-secure virtual server with Leonardo's ELSAG Cloud Storage Solution (CSS). CSS assists agencies with the IT responsibilities and costs associated with managing an ANPR 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 ANPR data, with the flexibility to meet jurisdictional storage and sharing policies.

ELSAG Custom ANPR Solutions

For missions that require discretion, ELSAG automatic number plate recognition (ANPR) systems are concealed in apparatus or compartments that fit in naturally with their surroundings. These covert systems read number plates to identify suspect vehicles and are nearly undetectable. They are critical law enforcement tools, identifying number plates connected to auto theft, child predators, warrants, scofflaws, uninsured vehicles, revoked driving privileges, parole violators, and more.

Features

- All ANPR components fit in custom housing: cameras, sensor, processing unit, independent power source.
- Each custom system reads number plates day and night, in any weather, capturing plate numbers, vehicle make, type, and colour, photos of the car, GPS coordinates, and date/time stamps.
- For each plate read, the ANPR system automatically compares the plate number to hot list databases to identify suspect vehicles.
- For every suspect vehicle identified, alarms instantly broadcast to a command center, laptop or PDA.
- Each custom solution is easy to move to a different area or switch to a different vehicle.



ELSAG PLATE HUNTER CUSTOM TOOLBOX

The diamond plate design helps disguise ANPR cameras inside the toolbox. The system reads plates whether the surveillance vehicle is parked or moving.



ELSAG PLATE HUNTER CUSTOM CARGO CARRIER

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



ELSAG PLATE HUNTER CUSTOM POLE CAMERA

ANPR cameras covertly read number 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

ANPR 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
ANPR 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 ANPR 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 03 9117 7611 or email anprequiries.australia@leonardocompany.com.au.

For technical support, call 03 9117 7611.

Limited One-Year Warranty and Extended Warranty Plans

A one-year limited warranty is included with the purchase of the Leonardo ANPR hardware. Extended warranty and service plans are available for purchase for additional years of coverage. For details please call 03 9117 7611 or email anprequiries.australia@leonardocompany.com.au.

For more information:
anprequiries.australia@leonardocompany.com.au

 Proudly supported in Australia

This publication is issued to provide outline information only and is supplied without liability for errors or omissions. No part of it may be reproduced or used unless authorized in writing. We reserve the right to modify or revise all or part of this document without notice.

2023 © Copyright Selex ES, LLC is a Leonardo company.

LEO/AUS/071223

REQUEST MORE INFO HERE >

leonardocompany-us.com/lpr

