# ELSAG® FIXED PLATE HUNTER ALPR SYSTEM

## WATCH AREAS OF INTEREST CONSTANTLY WITH THE ELSAG® FIXED PLATE HUNTER ALPR SYSTEM

The ELSAG® Fixed Plate Hunter Automatic License Plate Recognition (ALPR) system is engineered to assist in multiple functions for law enforcement, tolling and traffic data collection. It is comprised of advanced digital cameras with LED illumination and built-in processors, a Field Control Unit (FCU) and proprietary software.

The systems mount to structures such as bridges and overpasses reading license plates day and night, in any weather, comparing each plate number to hot lists to identify suspect vehicles or to white lists to validate vehicles on roadways as part of an HOV lane or tolling program. For each suspect vehicle identified, alarms are broadcast in real time to a command center, patrolling vehicles, and/or mobile devices, for immediate reaction.

Each license plate read documents a color and black & white photo of the license plate, plate number, camera identifier and date and time stamps. This data can be stored on the ELSAG Enterprise Operations Center (ELSAG EOC) server for future queries and analysis, which aid investigations and meet other data analysis needs.

The ELSAG Fixed Plate Hunter also has the ability to determine a vehicle's speed. Once the speed rate is determined, it is linked only to the license plate of that specific vehicle. Speed data can be used to create analytical tools that provide valuable traffic statistics, identify traffic patterns, and automatically detect real time traffic anomalies, such as jams, stationary vehicles on open traffic lanes, and many other dangerous occurrences.

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## Features of the ELSAG® Fixed Plate Hunter ALPR System

› Reads plates up to 115 feet (35m) away, day and night, in any weather

› Captures data for each plate read: b/w and color photo of the license plate and surrounding area, date/time stamps, camera identifier

› Data captured can be stored on the ELSAG Enterprise Operations Center (ELSAG EOC) server and analyzed to aid investigations and meet other data analysis needs

› System offers two digital camera models with built-in processors: the F3-POE and the F3-AC-Cellular

› Camera wavelengths and focal lengths optimize photo clarity and resolution

› Easily networked with optional cellular modem

› Engineered with field-terminable Power over Ethernet cables, reducing system cost

› Performs internal data buffering, retaining its ALPR data during power or network outages

› Camera reports real-time ALPR results to the CarSystem and/or ELSAG EOC for hot list matching and final database insertion

› Depending on the camera model and configuration, a full or mini Field Control Unit (FCU) may be required to house the power and communication controls. The FCU houses:

  - A 120 VAC 10A circuit breaker

  - 48VDC power supply

  - Ruggedized Trendnet POE 8 port managed switch (fiber connectivity optional)

  - Rugged Brick PC is optional (I5, 8GbRAM, 2133MHz, extended temp 256 Gb)

  - Cellular modem is optional

› The FCU resembles a standard outdoor video surveillance camera, disguising the system's ALPR performance

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