ALPR SYSTEMS

ELSAG® PLATE HUNTER CARGO CARRIER

AN ALPR SOLUTION FOR MISSIONS THAT REQUIRE DISCRETION

The ELSAG Cargo Carrier system contains our powerful Mobile Plate Hunter® automatic license plate reader (ALPR) and gathers ALPR data while working undetected.

Every license plate read by the ELSAG Cargo Carrier camera is instantly compared to law enforcement hotlists. When there's a match, audible and visual alarms broadcast immediately to a command center and to nearby officers for real-time interdiction.

All data captured by this covert system can be uploaded to the ELSAG Enterprise Operations Center (ELSAG EOC) data management server and archived for future query and analysis to aid investigations.

Features of the ELSAG Cargo Carrier:

- Accurately reads license plates, alerting a command center, as well as officers in the field, if a plate number matches an entry on a hotlist

- Performs day or night in all lighting and weather conditions

- For each license plate read, the system captures a color photo of each vehicle's license plate, vehicle make, type, and color, date and time stamps, and GPS coordinates where the read occurred

- Reads non-structured vanity and specialty plates

- System is stored in a common rooftop cargo carrier with a special window

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The ELSAG Cargo Carrier in Action

1. **Image Capture:** Plate reader cameras inside the cargo carrier capture high-resolution images of license plates as vehicles pass by.

2. **Character Recognition:** Customized neural networks are used to recognize and extract characters from the license plate and are the basis for the machine learning capabilities used for the perpetual improvement in license plate and character recognition.

3. **Character Analysis:** Once the characters have been recognized and converted into text, the ALPR system can perform various data analyses. This may include checking the license plate against a database of stolen or wanted vehicles, searching for matches to specific license plates of interest related to a crime, or monitoring the movements of suspect vehicles over time.

4. **Alert and Response:** If the ALPR system identifies a license plate that matches hotlist or whitelist criteria or requires further investigation, it generates an alert for law enforcement or security personnel to respond accordingly.
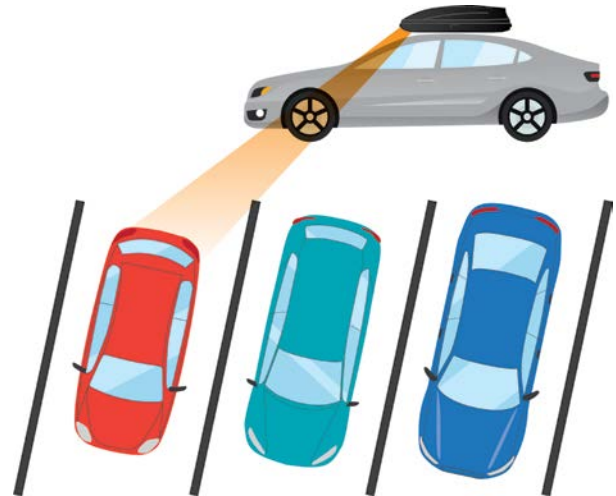
Camera Read

Hotlist or Whitelist Database

JAN *California* 2009
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P93-F6L4
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ELSAG Cargo Carrier Performance

- Cameras read license plates, day or night, in any weather.

- Plates are processed at up to 150 mph (241 kph) closing and passing speeds.

- Plates are recognized using countrywide OCR Models.

- Alerts are sent to officers, command centers and other patrol cars instantly, upon identifying a suspect vehicle.

- ALPR data can be stored in the ELSAG EOC data management center and queried, to aid investigations.

- Hotlist updates transmit to the system wirelessly.

Other ELSAG custom solutions include:

- ELSAG Toolbox – diamond plate toolbox for pickup truck beds

- ELSAG Pole Camera – disguised as a utility box with weathered patina

- ELSAG Barrel Camera – roadside construction barrel

- ELSAG Radar Trailers and Variable Message Boards – various speed detection trailers outfitted with ALPR systems

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