

ALPR SYSTEMS

# ELSAG® PLATE HUNTER BARREL CAMERA

## THE CUSTOM ALPR SYSTEM THAT DOES MORE THAN CHANNEL CONSTRUCTION TRAFFIC

No one thinks twice about a construction barrel or two on the side of the road. That's why they make perfect containers for discreet deployments of our automatic license plate reader systems.

One barrel conceals all system components — cameras, sensor, processing unit, and an independent power source. As vehicles pass by, advanced digital cameras read license plates automatically comparing each to a hotlist of suspect vehicles or vehicles of interest. When there's a match, audio and visual alarms broadcast to a command center and nearby officers for real-time interdiction. The ALPR data collected can be stored on an ELSAG Enterprise Operations Center (ELSAG EOC) data management server for query and analysis to aid investigations.

## Features of the ELSAG Barrel Camera:

- System is stored in a common construction barrel with a special window
- 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
- Captured data includes photos of the license plate, vehicle make, type, and color, GPS coordinates of the read, plus date/time stamps
- Performs day or night in all lighting and weather conditions
- Easily moved to different locations
- Reads non-structured vanity and specialty plates

## The ELSAG Barrel Camera in Action

- 1. Image Capture:** Plate reader cameras inside the barrel 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



000-01T8

Y01-N010

000-01T8

P93-F6L4

400-591T



### ELSAG Barrel Camera 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 as often as needed.

### 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 Cargo Carrier –vehicle rooftop cargo carrier
- ELSAG Radar Trailers and Variable Message Boards – various speed detection trailers outfitted with ALPR systems

For more information:  
info@leonardocompany-us.com

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