Automated License Plate Readers
Law Enforcement Benefits

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The lack of a national standard regarding the formatting of license plates significantly impairs the effectiveness of LPR technology.

LPR technology has become a tremendous tool for law enforcement in the areas of:

- Improved public safety
- Homeland Security
- Increased traffic safety
- Enhancing officer safety
Improved Public Safety

- Criminal Enforcement
  - Wanted individuals identified/arrested
  - Stolen vehicle recoveries
  - Amber Alert apprehensions/recoveries
  - Missing persons located
Homeland Security

- Homeland Security Benefits
  - Improved security at Critical Infrastructure – Government and Private Sector
    - Partnerships through technology
  - Time line application
  - Southern/Northern Border Security
    - Criminal interdiction (CBP – POE fixed LPRs)
    - VGTOF and CT enhancements
  - Increased data sharing and analysis (SARs)
    Faisal Shahzad – Time Square Bomber exemplifies how intelligence and technology could help in future events
Increased Traffic Safety

- Suspended/Revoked Operators
  - Significantly more likely to be involved in:
    - Crashes
    - Reckless operation

- Removal of these operators from the roadways increases roadway safety

- LE Officers are 2.5 times more effective with LPR technology
Enhanced Officer Safety

- Increases situational awareness
- Reduces the “unknown” factor
- Reduced involvement in or duration of high speed pursuits
- Owner/operator can be taken into custody at a later date/time
NYSP 2011 LPR Stats

- Over 6 Million Plates Read
- 11,739 “Hits”
- 12,024 V&T Arrests
- 2,203 Suspended and Revoked Operators Arrests
- 110 Felony Arrests
- 84 Misdemeanor Arrests
- 15 Stolen Vehicles
- 38 Wanted Persons
Law Enforcement Systems
Mobile Plate Hunter LPR-Solutions

Mounted Mobile

Transportable

Covert

Color (AD3M)

Fixed Gate Smart Cameras
Fixed Mounted
Examples Of LPRs At Work

- In New York State, LPR equipped officers removed 4 dangerous criminals, solved a quintuple homicide and recovered over $200,000 worth of stolen vehicles
- The Ohio State Highway Patrol captured 23 criminals and 24 stolen vehicles within a four month period
- LPR technology is being utilized by law enforcement after a terrorist attack/incident to obtain additional information (Time Square bombing attempt)
- In two recent counter-terrorism cases, LPR technology was used to track the location of vehicles that were being used by subjects suspected of plotting terrorist attacks against the United States over a span of time
The Challenges License Plate Design Pose to LPRs (& to Officers)

- Consider the from 2009 to 2012, the number of license plate designs in the United States increased by 22% (and they continue to grow today).

- The day of the officer being able to recognize what jurisdiction any given plate may be from at a glance are gone.

- The biggest challenge is unquantifiable! If you leave with nothing else, consider this:
  - For every success story, how many stolen cars, wanted felons, suspended drivers, and terrorist watch list persons of interest go undetected because a LPR mis-read a license plate due to its design and manufacture?

Section Four provides an overview of:
- Challenges to Law Enforcement;
- The one versus two license plate debate;
- Officer Safety Benefits;
- Traffic & Public Safety Benefits; and
- Investigative Uses of ALPR
Best Practices Guide

This guide makes recommendations that, if followed, present solutions to the challenges we’ve spoken about.
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