



Automated License Plate Readers Law Enforcement Benefits

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National Standard Requirement



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



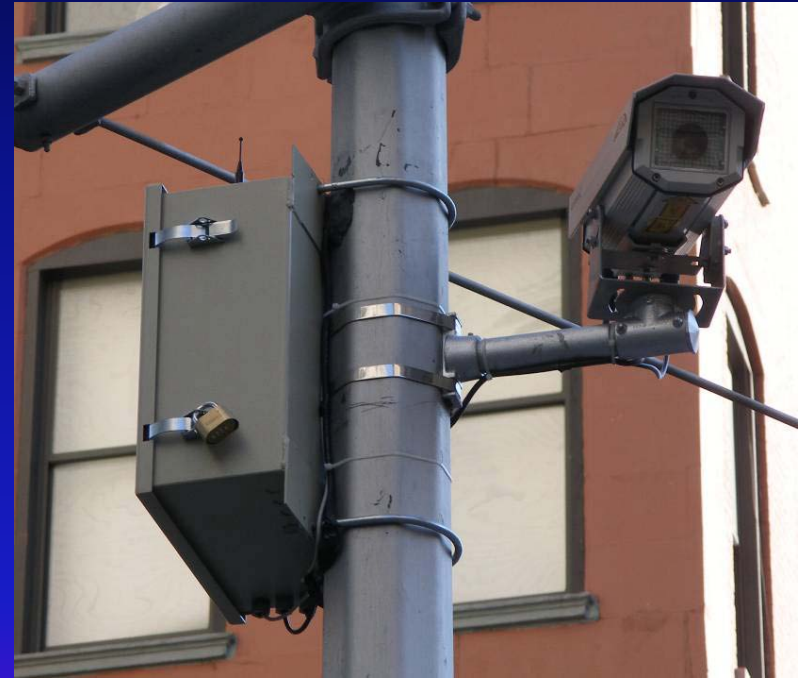
Color (AD3M)



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 \$200,00 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?





Best Practices Guide

AAMVA ALPR Working Group recently published a Best Practices Guide for Improving Automated License Plate Reader Effectiveness through Uniform License Plate 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



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AAMVA's Best Practices Guide for Improving Automated License Plate Reader Effectiveness through Uniform License Plate Design and Manufacture





Best Practices Guide



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

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