

Dave Heineman
Governor

STATE OF NEBRASKA

NEBRASKA STATE PATROL
Colonel David A. Sankey
Superintendent
P.O. Box 94907
Lincoln, Nebraska 68509-4907
Phone: (402) 471-4545

August 9, 2012

ACLU Nebraska
Attention: Amy A. Miller
941 "O" Street, Suite 706
Lincoln, NE 68508

RE: Public Record Requests Concerning Automatic License Plate Readers

Dear Ms. Miller:

The Nebraska State Patrol has enclosed documents, per your public record requests, to the Nebraska State Patrol and the Nebraska Information Analysis Center. Since the Nebraska State Patrol houses and maintains all of the records for the Nebraska Information Analysis Center, there will be only one response to both public record requests.

Although the Nebraska State Patrol has no records concerning federal funding for Automatic License Plate Readers (ALPR), the agency did purchase two units in 2008 using Section 163 funds awarded to the Nebraska State Patrol from the Department of Roads. The Nebraska Department of Roads, Office of Highway Safety was the recipient of this Federal funding and the Nebraska State Patrol was the sub-recipient of this Federal funding. Documents concerning Section 163 funds and the purchase of the ALPR are enclosed. Approval at the agency level to purchase these ALPR's is also enclosed. The Nebraska State Patrol has no documents concerning vendors of ALPR describing their products, but such information may be available through the Department of Administrative Services, Materiel/Purchasing Division, State of Nebraska, which is a separate agency from the Nebraska State Patrol.

The Nebraska State Patrol does not fund the purchase of ALPR for other agencies through grants or any other means, and has no records of the same. The Nebraska State Patrol has no specific policy or procedure for using ALPR technology. Two ALPR machines were purchased and are placed in patrol units and are not stationary. Training was provided by the manufacturer's representative and the materials are attached.

The Nebraska State Patrol does not store ALPR data. The license plate reader is used to notify an officer of a match between the license plate that is read and the National Crime Information Center data that is uploaded to the reader on that date. If there is a potential match, the officer would call the dispatcher and run the plate to confirm the license plate reader as to a license plate in the National Crime Information Center database as belonging to a person that is wanted or missing or a vehicle that is stolen. Although ALPR devices are able to download license plate data that is read, NSP does not download such information, nor is it stored outside of the device.



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itself. Therefore the Nebraska State Patrol has no database of ALPR data, nor is it sold or shared, nor are there policies concerning how such data should be used. There are no records concerning the number of license plates scanned or read as the Nebraska State Patrol does not create any such report.

Since the records provided pursuant to these requests can be fulfilled in an electronic format, there is no charge associated with this request. However, as each public record request that is received by the Nebraska State Patrol is a public concern to someone, the agency will not always waive that fee. In the future, if you wish to make contact with someone in the Legal Division, an attorney would be willing to work with your client to structure your request in such a manner as to reduce the burden on the staff of the Nebraska State Patrol who have other public duties, thereby reducing any potential cost to the ACLU.

If you have any questions, please contact Wendy Wussow at (402) 479-4062.

Sincerely,


Wendy Wussow
Agency Legal Counsel

Enclosures

xc: Lt. Col. Thomas Schwarten

Approved .08 Projects

	Budgeted	Spent 12/31/09	Available
Troop A Overtime - Autoshow & OT	\$ 1,755.84	\$ 1,755.84	\$0.00
2009 Accident Reconstruction Equipment	\$60,714.68	\$60,714.68	\$0.00
- License Plate Readers	\$40,200.00	\$40,200.00	\$0.00
CAD	\$60,829.91	\$60,829.91	\$0.00
Console Software Refresh	\$21,346.50	\$21,346.50	\$0.00
TRACS (Computer \$ to cover shortage)	\$23,521.30	\$23,521.30	\$0.00
Computers (overage from Tracs came off)	\$14,356.72	\$14,356.72	\$0.00
Digital In Car Cameras	\$328,646.29	\$0.00	\$328,646.29
Duty Jackets/Rainwear/Vests	\$61,827.04	\$61,827.04	\$0.00
Stinger Flashlights	\$20,077.68	\$20,077.68	\$0.00
Accident Recon Training	\$16,717.50	\$16,717.50	\$0.00
Wireless Data Project	\$1,050.29	\$1,050.29	\$0.00
ISO - Training, computers, recorders	\$16,000.00	\$16,000.00	\$0.00
(12) Digital Cameras	\$6,117.48	\$6,117.48	\$0.00
Mobile Command Post	\$901.24	\$901.24	\$0.00
Category 3A	\$46,247.44	\$46,247.44	\$0.00
Category 4A - Jacket Videos	\$16,362.33	\$16,362.33	\$0.00
Category 4AA	\$24,023.67	\$24,023.67	\$0.00
Category 4AJ - Joey Transmitters Receivers	\$37,563.00	\$37,563.00	\$0.00
TRAINING			
OHP - EVOC	\$379.72	\$379.72	\$0.00
LEVA	\$1,575.50	\$1,575.50	\$0.00
RADAR Training	\$462.00	\$462.00	\$0.00
ACTAR - N. Trantham	\$76.63	\$76.63	\$0.00
AAMVA - Hobbs	\$1,862.93	\$1,862.93	\$0.00
Kustom Video Training	\$908.24	\$908.24	\$0.00
ALERT - P. Thede	\$99.39	\$99.39	\$0.00
7 States conference	\$1,255.37	\$1,255.37	\$0.00
SOFT Convention - Rutledge	\$1,627.64	\$1,627.64	\$0.00
POAN	\$1,268.05	\$1,268.05	\$0.00
Helicopter Training	\$24,774.79	\$24,774.79	\$0.00
IACP	\$120.00	\$120.00	\$0.00
LEIM	\$2,341.03	\$2,341.03	\$0.00
LECC	\$893.90	\$893.90	\$0.00
MATAI	\$285.10	\$285.10	\$0.00
IACP/DRE	\$892.41	\$892.41	\$0.00
Hwy Safety Summit	\$500.00	\$500.00	\$0.00
TRACS Training	\$107.89	\$107.89	\$0.00
TOTAL	\$837,689.50	\$509,043.21	\$328,646.29

BU 64954361	\$608,376.00	Award	\$837,689.50
BU 64954423	\$247,056.50	Less Spent	\$509,043.21
Discrepancy	<u>-17,743.00</u>		
Total Project Award	\$837,689.50		

Available \$328,646.29

.08 BAC INCENTIVE 2004 (DOR)
RECORD #4092 BU # FED 64954361

BU # MAT n/a

BILLING CODE 04-SP-77

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

Invoice # REG HOL SFT HT ST OT DT
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

STOP STICKS (19)
Invoice # 24855
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

STOP STICKS (19): ADJ: S/B 3A WAS 4AN
Invoice # 24855
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$0.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$0.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$0.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$0.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

BU #64954361
Invoice #
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

BU #64954423
Invoice #
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$75,000.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$0.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$75,000.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$0.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$0.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

BALANCES BELOW
Invoice #
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$0.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$0.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$0.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$0.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

POLICE AUTOMATED LICENSE PLATE READER (2)
Invoice # 10597
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

BALANCES BELOW
Invoice #
PO #

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$40,200.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$40,200.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

FED BEGIN BAL \$40,200.00 MAT BEG BAL \$0.00
-(TOT FED ADJ) \$40,200.00 -(TOT MAT ADJ) \$0.00
FED ENDING BAL \$0.00 MAT END BAL \$0.00

NAME REC # BATCH # PAID CLAIM DATE FED TOT FED RCPT MATCH AMT SBGR PD CODE NOTES

MDWD AUTO/AIR ADAPTER (10): -TRACS: ADJ: S/B 08 BAC 04 WAS 08 BAC 05
Invoice # 045869-01
PO #

Monday, September 20, 2010

Page 15 of 36



STATE OF NEBRASKA

Dave Heineman
Governor

NEBRASKA STATE PATROL
Colonel Bryan J. Tuma
Superintendent
P.O. Box 94907
Lincoln, Nebraska 68509-4907
Phone: (402) 471-4545

October 9, 2008

Linda Kearns
Nebraska Office of Highway Safety
Department of Motor Vehicles
P.O. Box 94612
Lincoln, NE 68509

Dear Linda,

A summary report of the acquisitions and activities associated with the Section 163 funds occurring between October 1, 2007 and September 30, 2008 is provided.

LIQUOR ENFORCEMENT DIVISION

RETURNED (3) Covert Camera Hats - \$865

The hats were purchased in FY07. However, the equipment was unsatisfactory and returned.

PUBLIC SAFETY

(2) License Plate Readers - \$40,200

Two license plate readers were purchased during this fiscal year and are currently being tested. The reader has the capability of reading more than 800 license plates in an hour. They instantly transmit information to a laptop computer inside the car, notifying the officer whenever there is a match in one of the down loaded databases.

The infrared reader instantly scans multiple lanes of highway traffic alerting officers to law violations. The detection of stolen vehicles, wanted persons, and suspended rivers are a sample of how these devices could dramatically increase highway safety with their deployment.

(526) Reflective Safety Vests - \$7,722

Nebraska State Patrol officers received reflective safety vests to wear while engaging in primarily traffic related duties to increase their visibility.

Overtime - \$1,200

Approximately 25 overtime hours were dedicated toward staffing a booth at the International Auto Show in Omaha, January 27 – 27, 2008. The daily attendance was estimated at 20,000 attendees.



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Section 163	As of September 30, 2009	Expenditures	Award
FY01 - 4090	October 1, 2000 - September 30, 2001		500,000.00
	October 1, 2001 - September 30, 2002	\$477,527.61	500,000.00
FY03 - 4090	October 1, 2002 - September 30, 2003	\$15,133.69	329,503.00
FY03 - 4091	"	\$75,699.23	
FY04 - 4090	October 1, 2003 - September 30, 2004	\$7,338.70	169,179.00
FY04 - 4091	"	\$265,574.71	109,694.00
FY05 - 4091	October 1, 2004 - September 30, 2005	\$138,148.55	179,307.00
FY05 - 4092		\$78,613.59	32,263.50
	October 1, 2005 - September 30, 2006	\$20,577.51	35,486.00
	"	\$157,975.23	0.00
	October 1, 2006 - September 30, 2007	\$160,982.53	0.00
FY08 - 4092	October 1, 2007 - September 30, 2008	\$50,757.18	0.00
	October 1, 2008 - September 30, 2009	\$29,894.68	
	Totals	\$1,478,223.21	1,855,432.50

Record 4090 \$500,000.00
Record 4091 \$500,000.00
Record 4092 \$855,432.50
Spent -\$1,478,223.21
Balance \$377,209.29

\$377,209.29

FY2002 Expenditures - Record 4090	
In Car Cameras & Install	\$288,074.13
Stalker Radars (101) & installation	\$171,758.47
Total Stations & Software	\$17,695.01

FY03 Expenditures - Record 4090	
In-Car Cameras and Install	\$9,120.12
Total Stations	\$6,013.57
Subtotal FY03 - Record 4090	\$15,133.69

FY03 Expenditures - Record 4091	
AID Equipment	\$29,340.00
In Car Camera	\$3,330.00
Total Station	\$43,029.23
Subtotal FY03 Record 4091	\$75,699.23
Fiscal Year 03 Total	\$90,832.92

FY04 Expenditures - Record 4090	
Radars	\$7,338.70

FY04 Expenditures - Record 4091	
In Car Cameras (34)	\$226,440.00
Total Stations	\$5,724.41
Rollovers	\$19,809.00
AIDE Transmitters (3)	\$7,001.30
License Identification Card Readers (6)	\$6,600.00

FY 05 Expenditures	
Rollover Simulators (3)	\$5,104.30
Digital Recorders (54)	\$16,794.00
Motorist Assist Van	\$17,267.00
Radars (42)	\$72,450.00
LED Stylus Penlights (12)	\$158.55
Visor Lights (25)	\$3,998.78
Video Periscope	\$22,375.92
Subtotal FY05 Record 4091	\$135,147.55
In Car Cameras (8)	\$26,640.00
Stop Sticks (30)	\$10,560.70
Laser Rangefinders (6)	\$1,324.89
Bright Lights (9)	\$248.72
Jacket Video (balance due)	\$36,939.84
Proscanners (12)	\$959.88
AAMVA Training	\$1,862.93
Training Expenses	\$76.63

FY 06 Expenditures	
Jacket Videos	\$20,577.51
Subtotal FY06 - 4091	\$20,577.51
Jacket Videos	-\$20,577.51
Tracs	\$16,222.74
Computers & Peripheral devices	\$21,557.62
In car camera	\$3,330.00
Digital Cameras (12)	\$6,117.48

	Laptops w/software	\$13,461.84
	CAD	\$16,595.19
	Wireless Data Project	\$605.75
	MCP - Video Server	\$901.24
	Accident Reconstruction Software	\$2,795.00
	Tracs	\$6,513.25
	Training and Conferences	\$12,114.84
	Helicopter Training	\$24,774.79
	Joey -(12)	\$37,563.00
	Digital Recorders (50)	\$16,000.00
FY 07 Expenditures		
Equipment	Covert Camera Hats (3)	\$30.93
Public Safety	Stinger Flashlights (266)	\$20,077.68
	Reversible Jackets (475)	\$54,105.36
	TRACS	\$6,718.90
Administrative	Wireless Data Projects	\$444.54
	CAD (Phase 4)	\$65,581.22
	Accident Training (hosted)	\$13,922.50
	MATAI and IACP	\$101.40
FY08 Expenditures		
Public Safety	License Plate Readers (2)	\$40,200.00
	Reflective Safety Vests (526)	\$7,721.68
	Overtime	\$1,755.84
Administrative	Interagency Safety Summit	\$500.00
Training	TRACS Steering Committee	\$579.66
	TOTAL FY08 - Record 4092	\$50,757.18
FY09 Expenditures		
	Accident Reconstruction Equipment	\$29,894.68

ELSAG North America

PO Box 788
Pleasant Garden, NC 27313-0788
United States

INVOICE

Invoice Number: 10597
Invoice Date: Jul 10, 2008
Page: 1

Voice: 336-379-7135
Fax: 336-379-7164

Bill To:

Nebraska State Patrol
P.O. Box 94907
Lincoln, NE 68509
United States

80-0119568

Ship to:

Nebraska State Patrol
3920 West Kearney Street
Lincoln, NE 68524
United States

Customer ID	Customer PO	Payment Terms	
NEBRASKA STATE PATRO	212044 OP	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
MAXWELL	Fed-EX		8/9/08

Quantity	Item	Description	Unit Price	Amount
2.00	110050B	AD-M3 MPH-900 Mobile Transportable with 2 Cameras	20,100.00	40,200
2.00	420022	Anodized Hedley Trunk Brackets		
2.00	420065	Crown Vic Clicker Mount		
2.00	520001	Service Plan Year 1		
1392759 APPROVED BH 7-24-08 RECEIVED JUL 21 2008 NEBRASKA STATE PATROL ACCOUNTING Batch# 1568794 Doc# 263948 64954361.582700 .08 BAC -2004 BATCH # 1572833 DOC # 13863701				

Subtotal	40,200
Sales Tax	
Total Invoice Amount	40,200
Payment/Credit Applied	
TOTAL	40,200

Check/Credit Memo No:

**APPROVE AND RETURN
TO ACCOUNTING**

Nebraska State Patrol Course Cover Sheet

Target Audience

☐ Basic ☐ Basic Recall ☒ In-Service ☐ Specialized

Course Title 2008/2009 Commanders In-service-License Plate Reader
Hours of Instruction 1
Date 12/18/2008
Fiscal Year FY 2008-2009
Primary Instructor Matt Maxwell-ELSAG Representative
Secondary Instructors

Methods of Instruction (check all that apply)

☒ Practicals ☐ Small Groups ☐ Demonstration ☐ Lecture
☐ Simulations ☐ Q&A ☐ Video

Video Titles Used During Course

Type of Testing

☐ Written ☐ Practical ☐ Both ☒ None

 Curriculum Review Approval
Approved by Tammy Holcomb on 12/23/2008

 Director of Training Approval



WHO WE ARE



☐ **ELSAG North America Law Enforcement Systems**

- ☐ Headquartered in Brewster, NY
- ☐ All manufacturing in Greensboro, NC
- ☐ The Company *formerly* known as Remington ELSAG
- ☐ A Division of Finmeccanica, a \$6B global leader in defense technology
- ☐ Years of experience and rapid market adoption
 - ☐ First introduced in Italy 10 yrs. ago/expanded throughout Europe by Finmeccanica
 - ☐ Introduced to US market 4 years ago - Ohio State Highway Patrol
- ☐ **Market Leadership**
 - ☐ Focus on Service Excellence; 24/7 Customer Support
 - ☐ Innovation leadership
 - ☐ Depth and Breadth of Mission
 - ☐ Nearly 500 agencies in 30 states



Mission Critical



70% of all criminal activity in US involves vehicles

- World Trade Center bombing
- Oklahoma City car bombing
- Border Control
- Drug and Human Trafficking
- Carjacking and other felony offenses

Results to Date

Over 4000 stolen vehicles recovered
with over 2000 arrests

WHAT WE DO: We Read License Plates
Any Kind, Anywhere, Anytime

☐ All License Plates are NOT Created Equal

☐ The Magic is in the Details that Can Make All the Difference in Results



☐ High performance levels of the OCR algorithms achieved through customization — 95%+ accuracy

☐ Only LPR Provider that can read plates in all 50 states including Canada and Mexico

ELSAD North America Law Enforcement Systems
U.S. Presence

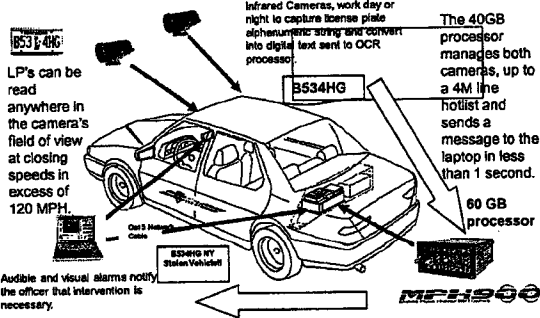
Deployments Across the U.S. - 11/31/08	1243
U.S. Agency Customers	480+
Largest U.S. Agency Deployment (NYPD)	224

•Deployments include Fixed Gate, Mobile, Transportable, and Covert Units.

•Missions span from Counter Terrorism, to Vehicular Crime, to Traffic Interdiction, and enforcement, et al.

COMPANY CONFIDENTIAL

MPH-900 Mobile LPR System



B534HG
 LP's can be read anywhere in the camera's field of view at closing speeds in excess of 120 MPH.

B534HG
 Infrared Cameras, work day or night to capture license plate alphanumeric string and convert into digital text sent to OCR processor.

60 GB processor
 The 40GB processor manages both cameras, up to a 4M line hotlist and sends a message to the laptop in less than 1 second.

B534HG NY State Vehicle
 Audible and visual alarms notify the officer that intervention is necessary.

MPH-900

The MPH-900: Camera Range and Performance

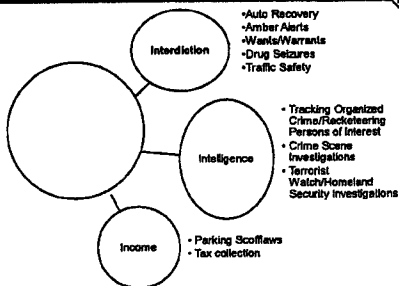


The ELSAG Mobile Plate Hunter:

- Performs at 120 MPH Differential Speeds
- Works day or night, in any kind of weather
- Reads plates from all 50 states including flat and red character plates
- Performs ambiguous searches to improve accuracy
- Alerts within milliseconds if a vehicle is suspect
- Features multi-level alarms for prioritization
- Can be configured with a variety of different camera ranges
- Can be configured to remotely alarm to an email recipient
- Can operate with data from different sources and be updated on the fly
- Can support up to four cameras in a mobile setting

COMPANY CONFIDENTIAL

How the MPH-900 is being used Today



Interdiction Success



□Springdale PD – Averaging 30 arrests a month from LPR hits
 □Oxford PD- In first 7.5 hours of operation: 31 cars booted for outstanding tickets. Total revenue generated, \$5939. Update: 17 days to pay for system.
 □St. Paul – In first ten days of deployment, 26 stolen vehicles recovered and approximately \$9000 in outstanding parking violations recovered.
 □Columbus PD – 11/20/2008 – Five vehicle recovery with one arrest – in one night
 □Minnesota State Patrol – First day of use, 7 suspended or revoked drivers found with LPR
 □Ohio State Patrol – 57 vehicles recovered from fixed locations along Ohio turnpike. Recoveries worth ~\$750,000

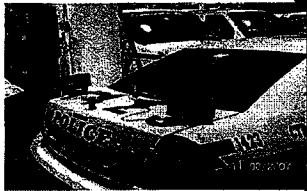
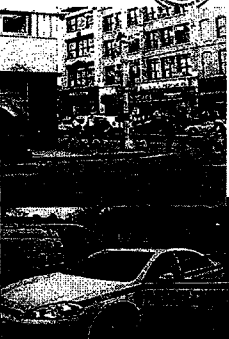
"It was DNA 10 years ago; LPR is the *NEXT* Revolution in Policing..."

Dr. Stanley Erickson, National Institute of Justice

War on Terror: New York City

Lower Manhattan Security Initiative

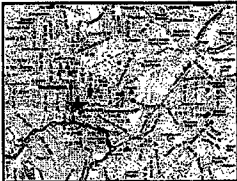
- Ring of Steel protecting Financial District
- Dignitary security
- Fixed location
- Mobile units
- Special Event Coverage (ex. Times Square, New Year's Eve)

Case Study: Washington, DC

Metropolitan DC PD Auto Theft Sweep Operation

Total Assets	29,250
Average Total Patrol Time Per 5 Vehicles	21 hours
Seized Vehicles Recovered	28
Confiscated Vehicles Identified	3
Tracked Trainers	1
Stolen Plates Recovered	14
# Of Seized Vehicles Assets	2
TOTAL PLATES WITH INFORMATION	24
Average Time Between Seizure	25h, 30m
# Of Cars Recovered	1
# Of Current Assets	18



2 DRUG SEIZURES

Seizure #1 - 62 grams of Crack Cocaine

Seizure #2 - 30 Separated Packs of Crack Cocaine • 2 Zips of Crack • 1 lb of Marijuana • Marijuana and Packaging Devices

Stolen of Note

Stolen Tracker Trailer reported stolen in Massachusetts found in DC.

Capital Grounds:

- #1 Stolen Late Model Truck 8:34 AM 101 Constitution
- #2 Stolen Taxi Cab 8:15 PM Rayburn Office Building

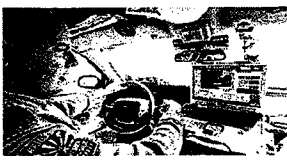
Case Study: Arizona

"An Army of ONE"

Officer David Callister

# of LAP Units	2
Months deployed	18
Total Reads	1,100,000
# of Arrests	100
Vehicles Recovered	157
# of Wanted Persons	5
Cash Recoveries	\$80,000
Major Drug Recovery	Stb. Meth.

Most Productive Hour - 7 Stolen

"Before, when we were on patrol, we didn't have the ability to read every plate that went past us, but this system does exactly that and it also can refer back to vehicles that have passed me hours ago. If I get an Amber Alert, I can research to see if that vehicle had passed me within a certain period of time, and if it did, the system will tell me what direction the vehicle was traveling. The technology is like something out of 'Star Wars'." AZDPS Officer Dave Callister

Case Study: NY State Police



Fishkill Family of 5 Murdered

Husband, Wife, Children—12, 9 & 6

State Police Patrol LPR unit identified suspect plate near time/place of crime

- 1st time used in evidence in criminal proceeding
- 1st of two defendants convicted January 08
- 2nd defendant convicted March 08

- 100% geographic coverage of state
- 625+ units at 170 agencies across state
- Long Island, NY—more units than all of California
- Proprietary Amber Alert software developed to tie into NY State network



Other Traffic Safety Applications Preventing Illegal School Bus Passing



An average of 27 children die each year in the U.S.

(Source: NHTSA)

- ☐ Half of deaths involve children ages 5-7
- ☐ Stop Arm Passes a common daily violation throughout U.S.
- ☐ Countless injuries and accidents
- ☐ Difficult to enforce; proof not easily available
- ☐ Successful Pilot Program in Syracuse, NY, funded by NHTSA & NY State

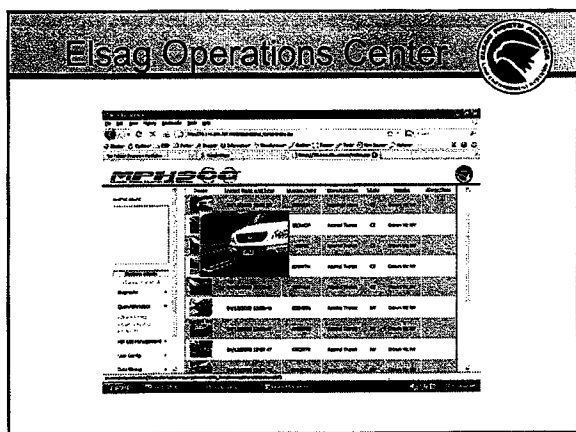


The MPH-900 Solution for School Bus Safety



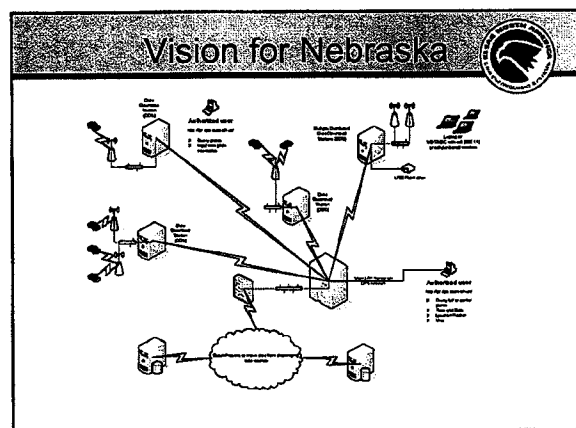
- One Camera System with software, mounted on the exterior of the bus, near the driver
- Bus Driver **does not have to do anything** to operate the system
- Downloadable results for law enforcement follow-up action



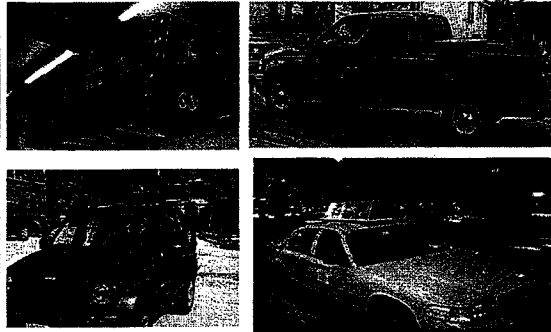


EOC Benefits

- Transparently handles all data communications between car and server.
- Full range of communications options to fit any environment
 - Cellular-based
 - Wi-fi (802.11)
 - USB Flash drive
- Provides access to plate read data to provide invaluable criminal intelligence.



Covert Deployments



Supporting the Mission



- LPR Eyes on the street 24/7
- Interdiction and Public Safety Checkpoints

NCIC and any Regional or Local data can be combined into one hotlist

What you can expect from ELSAG?

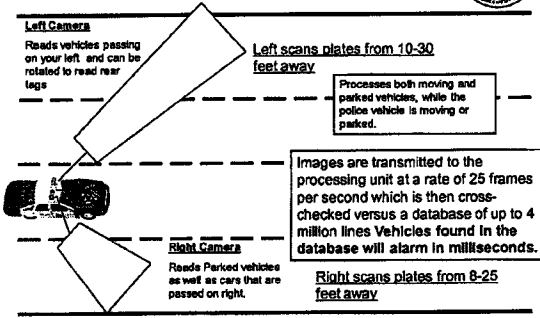
1. Experience (4,800 installations and counting).
2. Complete Focus (LPR Integration is all we do) and dedication to keeping customers operational.
3. Small Company hustle with \$15B in resources and thousands of fellow employees behind us.
4. Unmatched Customer Support
(Keeping almost 500 U.S. Agencies Operational and Satisfied)

Keys to Success Using LPR



- Data** – Targeted State Data is key; the system can handle up to 4M lines of data, multiple source data can be combined
 - NCIC national stolen vehicle and plate data is published daily by the FBI
 - Terror watch list data
 - Outstanding local warrant data including sexual predators
 - Motor Vehicle data to include suspended plates and drivers
 - Scofflaw data such as parking violations
- Technical Training** - ELSAG will train your agency in the software, installation, troubleshooting, and driving.
- Consistent Use** – The equipment is extremely durable and is built to be in constant operation
- Drive up the #'s** - Read 1,000 tags, get a stolen, read 6,000 get an arrest. Our partner agencies have read several million tags and all agree that volume reading while on patrol wins the day.

Split Camera Focal Points and Capabilities

Left Camera
Reads vehicles passing on your left, and can be rotated to read rear tags

Left scans plates from 10-30 feet away

Processes both moving and parked vehicles, while the police vehicle is moving or parked.

Images are transmitted to the processing unit at a rate of 25 frames per second which is then cross-checked versus a database of up to 4 million lines Vehicles found in the database will alarm in milliseconds.

Right Camera
Reads Parked vehicles as well as cars that are passed on right.

Right scans plates from 8-25 feet away

Car System Login



• Car System allows for multi user logins

• Blank passwords are acceptable and never expire

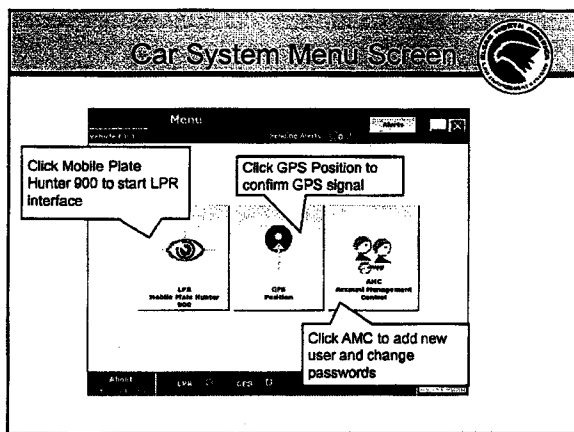
• All passwords expect blank passwords expire after 90 days

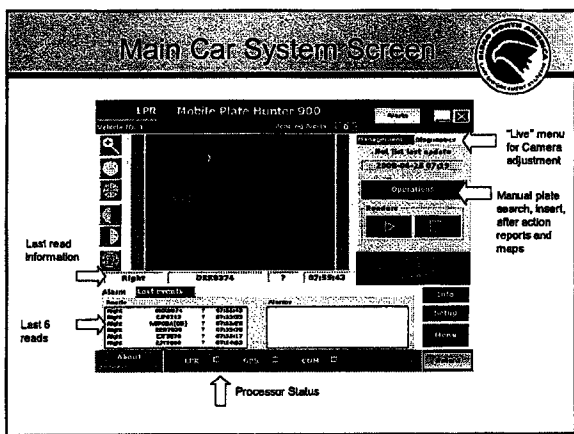
Car System Login

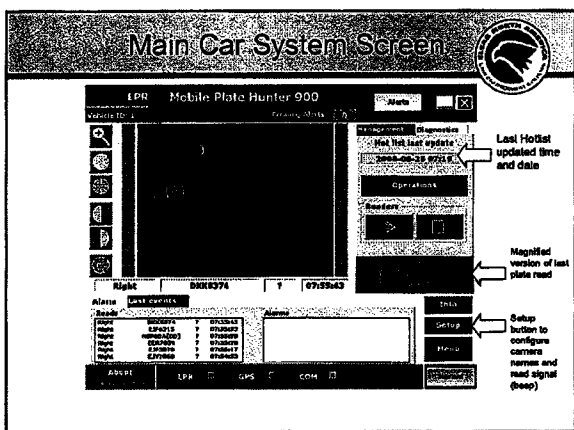
User:

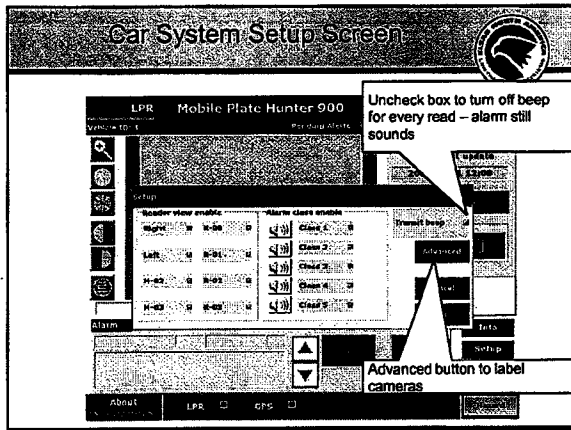
Password:

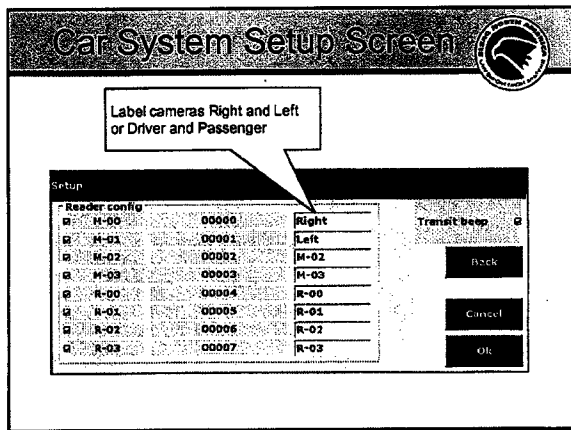
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
a	s	d	f	g	h	j	k	l	Δ
z	x	c	v	b	n	m	◀	▶	

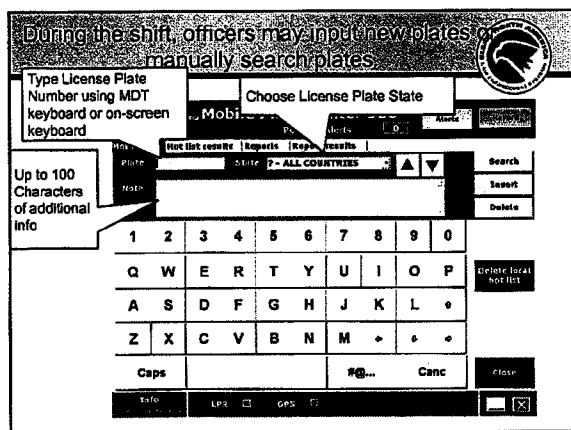












Shift Reporting Searching

Mobile Plate Hunter 900

Vehicle ID: Pending Alerts: ☐

The Reports tab is always defaulted to alarms in the last hour of time. Any parameter can be adjusted

Shift Reporting Results

Mobile Plate Hunter 900

Vehicle ID: Pending Alerts: ☐

Full detail of all tags scanned including an image and GPS coordinates is available to the system user at any time during or after a shift.

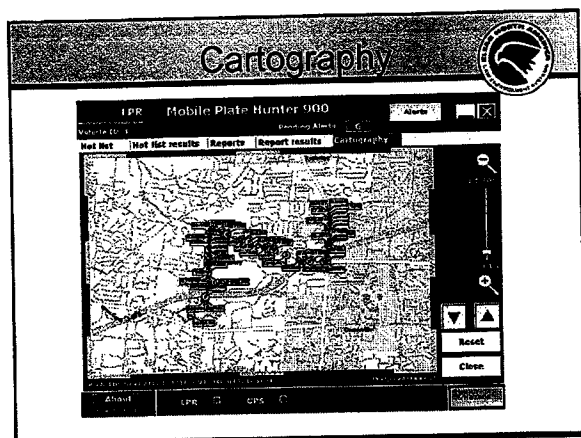
Shift Reporting Results

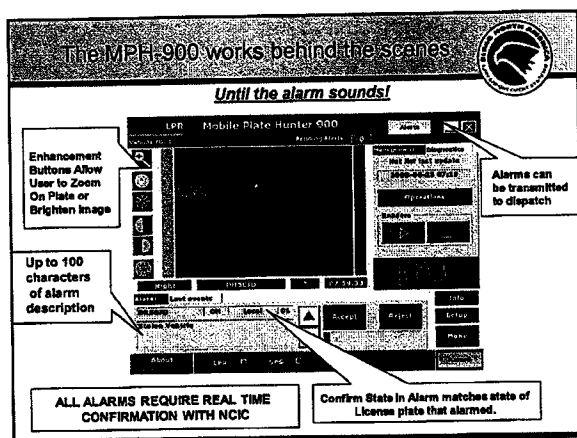
Click Cartography Tab to display ALL reads in report

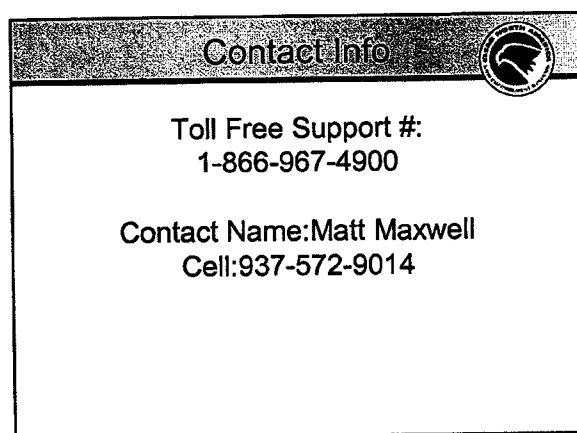
Mobile Plate Hunter 900

Vehicle ID: Pending Alerts: ☐

Click plate image to display corresponding map location







NSP In-Service Class Information

Class Title			
2008-09 Cmdr/Lt. In-Service-License Plate Reader			
Number of Days	Course Hours	Number of Students	Average Grade
	1	40	91

Attendee	Date(s) Attended	Grade Given to Course
Bradley Rice	12/18/2008 - 12/18/2008	81
Bret Friesz	12/18/2008 - 12/18/2008	98
Carla Schreiber	12/18/2008 - 12/18/2008	70
Chris Kolb	12/18/2008 - 12/18/2008	87
Daniel Doggett	12/18/2008 - 12/18/2008	98
Daniel Wilson	12/18/2008 - 12/18/2008	84
Darrell Fisher	12/18/2008 - 12/18/2008	98
David Babcock	12/18/2008 - 12/18/2008	87
Dennis Leonard	12/18/2008 - 12/18/2008	98
Gerald Krolkowski	12/18/2008 - 12/18/2008	95
Howard Cofer	12/18/2008 - 12/18/2008	95
James Parish	12/18/2008 - 12/18/2008	97
John Shelton	12/18/2008 - 12/18/2008	100
Jon Beckstead	12/18/2008 - 12/18/2008	78
Julie Maaske	12/18/2008 - 12/18/2008	89
Kevin Bridges	12/18/2008 - 12/18/2008	75
Kyle Otte	12/18/2008 - 12/18/2008	95
Lynn Williams	12/18/2008 - 12/18/2008	89
Mark Funkhouser	12/18/2008 - 12/18/2008	81
Mark Williams	12/18/2008 - 12/18/2008	100
Michael Gaudreault	12/18/2008 - 12/18/2008	100
Michael Jahnke	12/18/2008 - 12/18/2008	89
Michael Kerby	12/18/2008 - 12/18/2008	92
Randy Morehead	12/18/2008 - 12/18/2008	95
Russell Stanczyk	12/18/2008 - 12/18/2008	100
Steven Terry	12/18/2008 - 12/18/2008	81
Thomas Schwarten	12/18/2008 - 12/18/2008	89
Todd Kinghorn	12/18/2008 - 12/18/2008	95
Vicki Streeter	12/18/2008 - 12/18/2008	92
Danny Riens	12/18/2008 - 12/18/2008	89
William Keeling	12/18/2008 - 12/18/2008	98
Rodney Getting	12/18/2008 - 12/18/2008	81
Mark Stokely	12/18/2008 - 12/18/2008	98
Gregory Vandenberg	12/18/2008 - 12/18/2008	98
Jason Dean	12/18/2008 - 12/18/2008	78
Paul Hattan	12/18/2008 - 12/18/2008	100
Kenneth Dahlke	12/18/2008 - 12/18/2008	84
David Sankey	12/18/2008 - 12/18/2008	100
Kirk Hansel	12/18/2008 - 12/18/2008	92
Kevin Knorr	12/18/2008 - 12/18/2008	100

Comments: The instructor was focused on selling the license plate readers, which is really his job.

It seemed to be a sales pitch

Seems like we should get this equipment out on the road more often.

NSP In-Service Class Information

Class Title			
License Plate Reader Training			
Number of Days	Course Hours	Number of Students	Average Grade
	1	15	90

Attendee	Date(s) Attended	Grade Given to Course
Nicholas Frederick	10/24/2008 - 10/24/2008	98
Jason Jones	10/24/2008 - 10/24/2008	100
Michael Grummert	10/24/2008 - 10/24/2008	100
Christopher Richardson	10/24/2008 - 10/24/2008	100
Christopher Apley	10/24/2008 - 10/24/2008	26
Stacie Lundgren	10/24/2008 - 10/24/2008	78
Richard Aldag	10/24/2008 - 10/24/2008	100
Kaleb Bruggeman	10/24/2008 - 10/24/2008	100
Buck Boje	04/09/2009 - 04/09/2009	81
Robert Veal	04/09/2009 - 04/09/2009	97
Ryan Hayes	04/09/2009 - 04/09/2009	81
Justin Buhlke	04/09/2009 - 04/09/2009	84
Benjamin Brakenhoff	04/09/2009 - 04/09/2009	100
Carolyn O'Brien	04/09/2009 - 04/09/2009	100
Shane Belgum	04/09/2009 - 04/09/2009	100

Comments:

NSP In-Service Class Information

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Benjamin Brakenhoff	04/09/2009 - 04/09/2009	100
Carolyn O'Brien	04/09/2009 - 04/09/2009	100
Shane Belgum	04/09/2009 - 04/09/2009	100

Comments:



Made in the USA



ABOUT US

ALPR PRODUCTS & SOLUTIONS

MPH-900 APPLICATIONS

MEDIA CENTER

HOW TO BUY

LETTER FROM THE CEO

FAQs

FOR PARTNER AGENCIES

username

password

LOGIN

What Partner Agencies
are saying about our ALPR:

It was DNA 10 years ago; LPR is
the NEXT Revolution in Policing...

*Dr. Stanley Erickson, National
Institute of Justice*

View All Testimonials
[Click Here](#)

CONTACT TECHNICAL SUPPORT

REMOTE SUPPORT

**ELSAG North America and
ELSAG Datamat are
Finmeccanica companies.**

ALPR Products and Solutions > Mobile Plate Hunter - 900

Mobile License Plate Reader

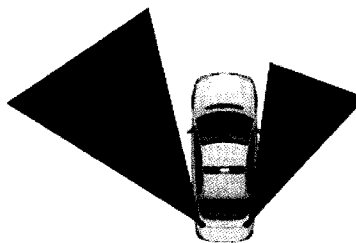
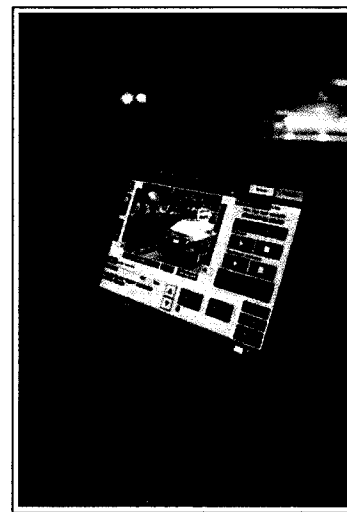
ELSAG NA's Automatic License Plate Reader (ALPR) system, the Mobile Plate Hunter-900 (MPH-900) can be mounted to patrol cars capturing license plate numbers during entire shifts. If a suspect license plate number is read, audible and visual alarms alert the officer within milliseconds of license plate capture.

Cameras, a processing unit and proprietary software, allow officers to capture images of license plates and instantaneously compare them with millions of Hot List records to identify vehicles of interest. This highly advanced Automatic License Plate Reader system reads plates day or night, from all 50 States and most foreign countries including Arabic characters. It can also read other alpha-numeric identification systems—even from 1500 feet in the air. The MPH-900 ALPR system minimizes the guesswork and safety risks that challenge officers every day.

The MPH-900 has unique capabilities, many of which are much more advanced than features of other mobile ALPR systems.

Digital Camera Technology.

The MPH-900 ALPR's digital cameras see more than analog cameras do. Compared to the analog cameras used by all other ALPR systems, images taken by the MPH-900's digital cameras capture nearly twice the physical area—the sweet spot—and that means more information for law enforcement. While images taken with analog cameras show little more than the license plate, MPH-900 ALPR cameras show the plate, a significant portion of the car and part of the car's surroundings—day or night and in any weather. This visual information can greatly aid investigations.



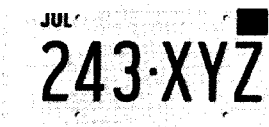
ELSAG "Sweet Spot" View



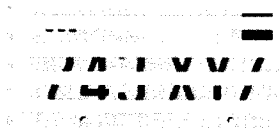
Analog "Sweet Spot" View

The MPH-900 ALPR takes "progressive scan" images, which present a better quality image than competitive technology using the "interlace scan" method. Progressive scans are digital and license plate images are read and captured one line at a time, sequentially. A progressive scan produces a far clearer read, providing more detail and a larger image area than the analog "interlaced scans" used by competitive ALPR systems. With interlaced scans, the camera can only record every other line of the license plate over two separate scans. In a final step, the system weaves the two scans together to form one complete image.

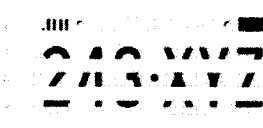
Progressive: full frame at once



Interlaced: frame split up into two fields

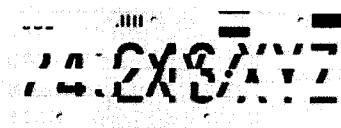


Field 1. odd lines



Field 2. even lines

Interlacing takes place to form the composite image.



Safety

The Mobile Plate Hunter-900 operates behind the scenes on the in-car computer allowing officers to keep their hands on the wheel and eyes on the scene.

When the MPH-900 reads a license plate number that matches a 'Hot List' file, officers are alerted immediately. The alert communicates the nature of the crime or infraction associated with the plate so officers understand the risks associated with the situation before ever getting out of the car and can prepare for safe interdiction.

Real Time Technology of the Mobile Plate Hunter-900 ALPR System

Real time technology of the MPH-900 greatly increases the odds of resolving issues and in severe situations, can be the difference between life and death. Our advanced License Plate Reader system:

- Captures up to 1,800 license plate reads per minute, day or night, accurately recognizing plates from all 50 states, Canada, Mexico and many Arabic characters
- Processes parked and moving vehicles across up to 4 lanes of traffic, day or night, in any weather
- Transit speed up to 150mph (241kph) can be easily managed by our License Plate Reader system. It exceeds the normal speed of vehicles through the pathway (due to pathway infrastructure limitations)
- Allows officers to update "Hot Lists" manually at any time and also query them for new tags that may match a recently captured vehicle
- Alerts officers within milliseconds if a vehicle is suspect
- The ALPR translates a digital image into data, checks the information against an onboard hot list, and returns an alarm back to the operator in milliseconds for appropriate interdiction
- Hot Lists can be updated manually or wirelessly
- Officers can search ALPR system for previous reads at any time in reaction to notification of a suspect vehicle

Criminal Intelligence Capabilities of the MPH-900 ALPR System

The MPH-900 captures thousands of license plates during a shift. Data recorded for each includes date and time stamp, photo of the vehicle and its immediate area, and GPS coordinates. After -action analysis of this data from relevant periods of time can lead to:

- Witness identification
- Watch List development
- Placing suspect at a scene
- Terrorist interdiction
- Pattern recognition

Other features of the MPH-900 License Plate Reader System:

- Processor unit is the size of a small box for easy storage in trunk of a vehicle.
- The MPH-900 License Plate Reader requires less than 60W of 12V DC to function.
- The MPH-900 communicates with an agency's operations center (Command Center) for alarm notification and throughout the day for database update.

For further information on ELSAG North America's License Plate Recognition solutions and other Public Safety technology, please contact us at info@elsag.com or call 1-877-77-ELSAG (35724).