Welcome to the NVLS Data Program

Available ONLY to Law Enforcement

Changing The World… Today!
Vigilant Video

• Software Development Company
• Focus on US LPR Market (Specialty)

National Government

• US Law Enforcement & Municipal LPR Networks
• Port, Military Base & Nuclear Facility Protection

Asset Recovery

• Exclusive LPR Provider for US Lenders
• 40% of US Vehicle License Plates Scanned Yearly
License Plate Recognition (LPR)

LPR Camera + Vehicle w/ License Plate + Known Location of LPR Scan = LPR Event Record

Vehicles passing by an LPR camera are ‘Scanned’. Optical Character Recognition (OCR) translates the License Plate Number. A picture of the License Plate and Color Overview of the vehicle are recorded. GPS Coordinates of the vehicle, Date & Time are added. The LPR Event Record is ‘Born’.
Net Result = LPR Record

Vehicle & Plate Images

Vehicle Images

Vehicle & Plate Images

Satellite Map

Vehicle Spotted
05-01-10 at 11:45:53 AM hours PST

Nearest Address: 11633 W 11th St
Los Angeles, CA 90015

Nearest Intersection: Beacon Avenue
W 11th Street

Date, Time & Nearest Address
What makes NVLS Possible

NVLS is a result of Vigilant Video’s successful LPR Deployments

Conglomerate of Mobile & Fixed LPR Data

Vehicle Asset Recovery | Law Enforcement | General Security

NVLS = Centralized LPR Data Repository
Made available for LAW ENFORCEMENT ONLY
Where does NVLS Data come from?

Typical Law Enforcement Use Case

LEAs with any LPR Products

• Contributing direct on the NVLS server
• Uploading via direct Server Link

Many Law Enforcement Agencies take advantage of uploading LPR Data to NVLS
Financial institutions are funding asset recovery programs by employing Licensed Fleet Operators (LFOs) that collect Vehicle Scan Records (VSRs).

LFOs drive pre-determined mapping routes scanning locations where vehicle assets are typically found to be candidates for recovery.
LFO scans are collected from the field.

Data is copied to LEARN-NVLS LEA compliant data center.

Scans are sent to the DRN data center.

National LPR Data Repository

Vigilant Video
LPR Data Aggregation = NVLS

NVLS is a consortium of LPR data aggregated (from various sources) to a single location and made accessible to law enforcement...via the NVLS program.
Most Major Metropolitan Areas

- 35,000,000 VSRs / Mo

Data Growth

- 50-100 Systems / Mo.
- Year End 40,000,000 VSRs / Mo

Total Data Volume > 450,000,000 VSRs
Providing NVLS to LEAs

Sequence of Events

1. Establish Centralized LPR Database
2. Partner with NVS (ORI# VANVS005V)
3. Offer LEAs LPR Data Access via NLETS
4. Distribute to LEAs Via NLETS Registration (RQ)
5. Conclusion: Launch of NVLS Web Service
Q. How do I run this transaction?

A. To utilize this new NLETS functionality, enter ‘VS’ in the State Field of the ‘RQ’ function, plate number and license year (standard NLETS ‘RQ’ query). A positive response will be similar to the following sample:

```
Vehicle license plate number 619WCX was captured by mobile license plate recognition on March 21, 2010 near the intersection of W Forest Brook Dr AND Woodside Rd, Casselberry FL.

To access the complete LPR data record including other additional historical LPR scans, vehicle images and satellite map overlays, please proceed to the following Internet Website: http://nvls-lpr.com/nvls

**CAVEAT**
This is lead information ONLY to assist with your investigation and should NOT be used for non-law enforcement purposes. Should you require additional assistance with this RESPONSE, please contact National Vehicle Service at 866-687-1102.
```

License Plate Queries via NLETS RQ are 100% Unlimited
NVLS Web Access

Welcome to Vigilant Video’s National Vehicle Location Service

Enter Login Information

Username
Password
O.R.I. #

Login

Help & Support
- Contact NVLS
- Forgot Your Password?
- Change My O.R.I. #

Learn about the NVLS Tier 2 Program

National Vehicle Location Service

- LPR Data Access Website
- For Law Enforcement Only
  - ORI Required

http://nvls-lpr.com/nvls
**What NVLS offers LEAs Nationwide at no charge**

<table>
<thead>
<tr>
<th>Program Features</th>
<th>NVLS Tier I Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unlimited National LPR Queries Via NLETS RQ</td>
<td>✓</td>
</tr>
<tr>
<td>Limited National LPR Queries Via NVLS Direct</td>
<td>✓</td>
</tr>
<tr>
<td>Multiple Vehicle Sightings</td>
<td>✓</td>
</tr>
<tr>
<td>Satellite and Street Map Locations</td>
<td>✓</td>
</tr>
<tr>
<td>Mobile Companion</td>
<td>✓</td>
</tr>
</tbody>
</table>
Total Active NVLS Agencies | Total Queries | Positive Matches | Suspects Located
---|---|---|---
1384 | 16231 | 8160 | 50.27%

Serving LEAs Each & Every Day

100’s of LEAs / 1000’s of Officers

Law Enforcement Productivity – Last 30 Days:
Scan vehicles in locations where the vehicle can reasonably be predicted to remain for an extended period of time and/or is highly likely to return in the near future.

**NVLS Scanning**
- Parked Vehicles
- Residential
- Business Lots
What makes NVLS so valuable?

Dependable Locations - 84.4% Success Rate!
This letter is to inform you of our recent success that we have obtained using your National Vehicle Location Service (NVLS). In January 2011 my Narcotics Team was investigating a drug trafficking organization distributing large quantities of heroin throughout the City of Chicago. The vehicle believed to be collecting the United States Currency gained from the illegal drug trafficking was observed and placed under surveillance for several hours. In order to not compromise the investigation the licence plate on the vehicle was obtained and the surveillance was terminated. It was later determined that the address associated with the license plate was in fact fictitious. At that time we utilized your NVLS system and obtained a location within the City of Chicago that the vehicle was scanned. The very next day we located the vehicle at the above mentioned location and established surveillance. Within hours a target of our investigation was observed exiting a residence with a large suitcase. The subject placed the suitcase in the vehicle and left the area. Moments later the subject vehicle was stopped and approximately $450,000.00 in USC was recovered from within the suitcase. Team members then relocated to the residence and recovered additional USC totaling approximately $1,000,000.00.

Thank you for continued support of law enforcement. If you have any questions please feel free to contact me.
San Diego Police Department
Introducing Guest Speaker: Sergeant Bill Carter
Suspect Of Auto Theft - Vehicle Record Match
Law Enforcement Property Found

• Auto Theft witnessed
• Suspect’s vehicle identified
• Stolen Articles from LEA
• Vehicle Description Match
• Vehicle Record in NVLS
• No Available records found in PD local database

Nearest Address: 8270 Aspen St
Rancho Cucamonga, CA 91730, USA
Nearest Intersection: Aspen St, Utica Ave
Rancho Cucamonga US

Disclaimer: The address listed above is an estimate.
Case #2

License Plate Number: 4KSK553

Undiscovered Vehicle Location Helps bring Key witness to Trial

- Witness needed for trial
- Unknown resident address
- Detectives utilized NVLS
- Location of witness found
- This was not a ‘known location’ for which the witness to be found

Nearest Address: 1301-1399 National City Blvd
National City, CA 91950, USA

Nearest Intersection: National City Blvd, A Ave
National City US
Case #3  License Plate Number: 5SUS939

Multi-Jurisdictional Vehicle Mapping Locates Burglary Suspect’s Vehicle

- Burglary Suspect Vehicle
- NVLS Shows multiple Hits
- Plate Info across multi-jurisdictional lines
- Current PD database unable to show sightings in other PD agency zones

Vehicle Spotted: 07-26-2010 at 3:04 PM

Nearest Address: 3977 Ohio St
San Diego, CA 92104, USA

Nearest Intersection: Ohio St, Lincoln Ave
San Diego US
Case #3  License Plate Number: 5SUS939

NVLS LPR Data Return

- Vehicle Mapping
- Unique Vehicle Sightings
- Residential Locations
- Historical LPR Records
- Reporting Capabilities

Over 456,927,458 Total Current Records
NVLS members can now enjoy the program features from a mobile smartphone.

Available August 30th

Match Against Hot-List Records

Scan License Plates

NVLS Data Queries

For Android and IPhone Smart Phones – Black Berry Coming Soon
What’s to Come - Mobile Companion

Connecting Law Enforcement In The Field

Scan License Plates Query NVLS Identify Criminals

Developed and Brought to you By: Vigilant Video
What's To Come – Accountability

DIGITAL WATERMARKING

Plate Number: 3421
Latitude: 38.28831
Longitude: -85.81179
Date: 05-01-2011
Time: 14:35:03:02 CST

- Machine Generated
- Reliable
- Imperceptible
- Secure

Digital Watermarking will include:
Plate ID, GPS Coordinates, Date & Time
What's To Come - Additional Features

**NVLS Tier**
*will have more*
License Plate Activities

- **Hot-List Management**
  - Create Instant Hot-List Records

- **Data Intelligence**
  - Generate Reports of LPR Records

- **History of Activity**
  - Manage activity with My Reports (My Plates)

- **Inform the Team**
  - Share Reports with fellow officers and Department/Agency Personnel

**Plate Query Return**

- **Add to My Hot-List**

**Additional NVLS 'Target' vehicle locations**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>5-21-09</td>
<td>11:37:02</td>
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<tr>
<td>4-16-09</td>
<td>17:15:41</td>
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<tr>
<td>3-01-09</td>
<td>3:37:09</td>
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<tr>
<td>2-05-09</td>
<td>21:14:32</td>
</tr>
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</table>

**Features & Benefits**
What’s To Come - Reporting Utilities

Data Intelligence Reports

- Output LPR reports to share with fellow officers (PDF)
- Share data reports with other NVLS Users who can help you
- Send direct with ‘Share Reports’
- Archive criminal data to your Tier II ‘My Reports’ account and create an investigative solution for Law Enforcement activity
What's To Come - My Hot-List / Hits

Store your own custom Hot-List records

Proactive 'Hit' Alerts sent via email

A vehicle location means making immediate arrests by tracking your Hot-List targets after receiving an instant alert notification

My Hot-List

<table>
<thead>
<tr>
<th>Plate #</th>
<th>State</th>
<th>Alert Type</th>
<th>Date Entered</th>
<th>Hit</th>
</tr>
</thead>
<tbody>
<tr>
<td>6RTG45</td>
<td>CA</td>
<td>Stolen Vehicle</td>
<td>03-29-10</td>
<td>N/A</td>
</tr>
<tr>
<td>8DFPS80</td>
<td>CA</td>
<td>Stolen Vehicle</td>
<td>03-15-10</td>
<td>Viewed</td>
</tr>
<tr>
<td>5KMC1</td>
<td>CA</td>
<td>Stolen Vehicle</td>
<td>02-30-10</td>
<td>New</td>
</tr>
</tbody>
</table>

Hot-List Management

Searching for vehicles and persons of interest works effectively with the personal Hot-List records you create

Create Your Own Hot-List Files

Communicate with other Hot-List record owners

Manage Hot-List Details

Create, manage, track and get alerts against 'Target' vehicles with the NVLS Tier II “My Hot-List” feature
NVLS Criminal Intelligence Communication

Connect with other LEAs

- Access complete Hot-List profile
- Send messages to Hot-List owner
- Share and view record comments associated with wanted criminals
- Add Comments
- Offer the NVLS community your details or remain Anonymous
Vigilant Video

NVLS

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