

CarDetector - Mobile Hit Hunter

Vigilant Solutions newest License Plate Recognition (LPR) product feature, the '**Mobile Hit hunter**' (**MHH**), is an advanced LPR technology practice that provides access to 3rd party LPR data intelligence within a four mile diametric proximity of the active LPR system operating in the field. The MHH feature essentially 'pipelines' LPR data Detection records, available from nationwide data sources, to the in-field CarDetector LPR system when matched against the CarDetector operator's accessible Hot-List records.

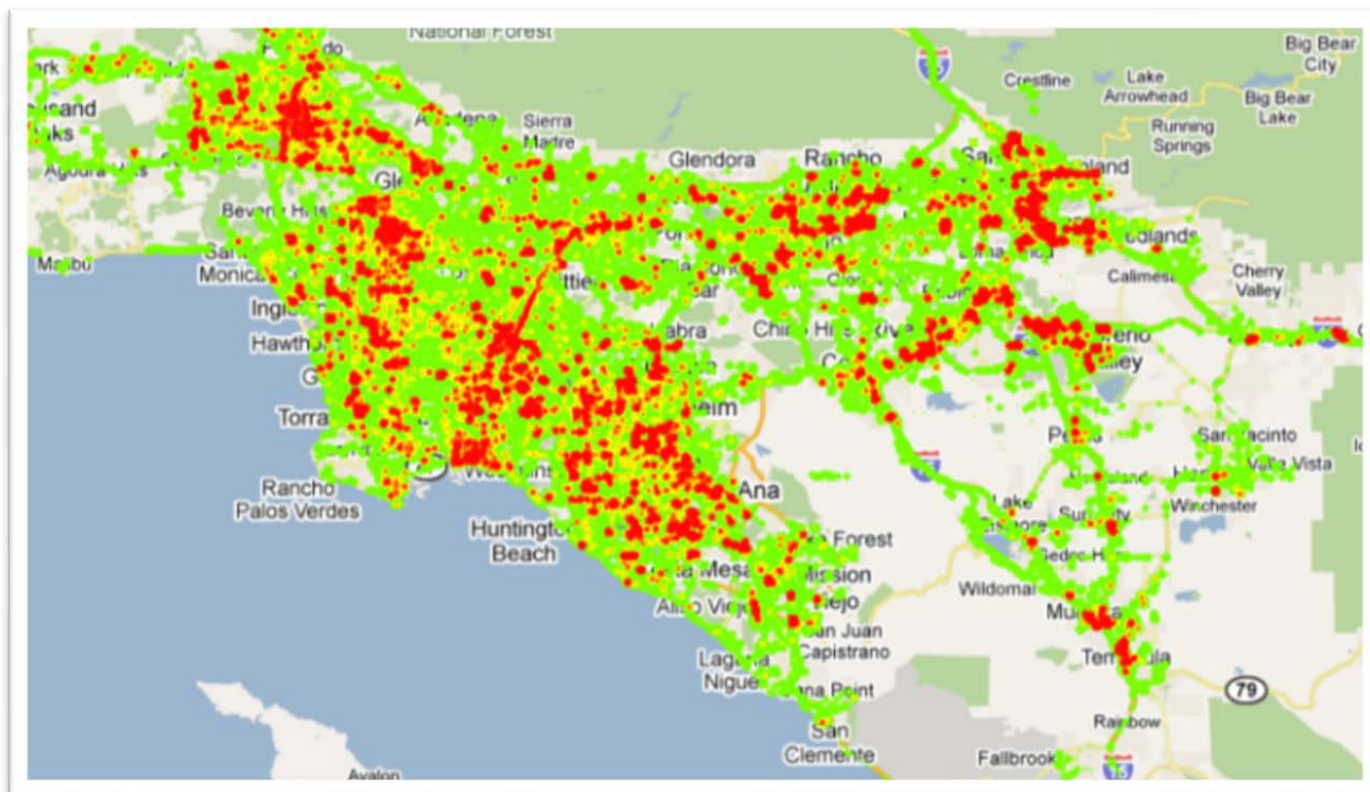
MHH is a 'next generation' product feature created to help public safety professionals utilize the CarDetector Mobile ALPR System (CDMS) more effectively with greater much results. The **MHH** as part of the CarDetector mobile LPR software application, provides the patrol vehicle operator with data intelligence access to vehicle locations of wanted suspects known to be previously located within two (2) miles of their current location. The **MHH** operator easily navigates a street map leading right to the vehicle location of a wanted vehicle of interest.



Typical Mobile Hit hunter - CarDetector GUI

How it Works - Vigilant Solutions manages and operates a private LPR network that scans approximately 1,240,000 vehicles each day across all major metropolitan areas within the United States - approximately 35,000,000 records are deposited each month into the National Vehicle Location Service (NVLS) LPR data repository. For those clients that take advantage of Vigilant Solutions centralized manage/hosted LPR server offering, the incoming LPR data records are matched against Law Enforcement Agency (LEA) client Hot-Lists and then transmitted to the in-field CarDetector LPR system. Transmissions of such 'Hit' matches are coordinated with the CarDetector's reported location (when in operation in the field) and made available when the LEA operator is within a two (2) mile range of such vehicle Hit locations.

In order to better understand the value proposition of the MHH feature and how its use can impact a typical LEA, consider the NVLS density map of the southern California region. The map image below represent a typical thirty day record of private LPR network scan activity in the form of a 'Rain Map'. The densities (concentrations) are represented in colors. This provides a visual representation into the Detections created by Vigilant Solutions private LPR Licensed Fleet Operators (LFOs).



30 days of Detections created by Private Scanning Source

All private network LPR data records are copied from the commercialized LPR server that manages the network activity, and then transferred to the nation's 1st LPR database server designed exclusively FOR LAW ENFORCEMENT ONLY, LEARN-NVLS national LPR data server - located in a Virginia based Federal Bureau of Investigation (FBI audited) and Originating Reporting Identifier (ORI) credentialed data server.

Clients that take advantage of Vigilant Solutions LPR hosted/managed server are afforded unrestricted use of Vigilant Solutions LEARN software, residing on the LEARN-NVLS server. The Private LPR data, along with other LEAs that elect to contribute their LPR data to the NVLS data pool, may be then matched against Hot-List records stored on the server by Vigilant Solutions LEA clientele. Once a match is made, the Hit record is stored in a data table with appropriate GPS coordinates in a queue awaiting a CarDetector LPR system to be within range to distribute to the Hit information to the in-field operator with administrative granted permissions.

Thus the MHH feature proactively alerts the CarDetector operator of a criminal location and where to find it!



Typical MHH feature with NVLS criminal Hits - Full Screen Application Mode

Real World Scenario: A Vigilant Solutions LFO scans a parked vehicle with plate number 'ABC123'. That record is then transferred to the LEARN-NVLS data server. Once received by the server, the Detection record is matched against a Hot-List record of Agency 'A' corresponding to an outstanding Felony Warrant want of the registered driver. This vehicle may be located far from the registered address but may be frequenting another location where scanned by the LFO. An officer of Agency 'A' is operating the Vigilant Solutions CarDetector LPR system with the MHH feature active, and drives within two (2) miles of the located Felony Warrant vehicle want. Immediately an alert will sound within the vehicle and a red 'Tic' mark will appear on the map (as shown above). The officer may verify the Hit and pull up all pertinent LPR data associated with the MHH 'Hit' record and then decide to take the necessary actions of apprehension.

Mobile Hit Hunter technology plots locations in real-time through the CDMS Global Positioning System (GPS) receiver. By design MHH provides private data intelligence Hits (matched against client Hot-List records) on a map within a four (4) mile diameter of the roving Patrol Vehicle. This allows the LEA to leverage LPR and gain access to additional criminal intelligence data streams that otherwise would not be made available.

Mobile Hit Hunter points to consider:

- Compares NVLS Detection data against client Hot list(s)
- Allows for matching to an unlimited number of Hits
- Provides current vehicle situational awareness
- Data intelligence on a 'roving' map within 2 mile vehicle
- Increases officer safety in the field where it is needed most
- Available as an integral part of the CarDetector LPR system