Vigilant Video

CarDetector - Mobile LPR Edition for DSP - Product Data Sheet
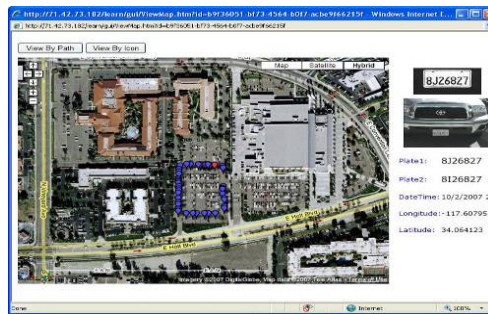
Overview

Vigilant Video, Inc. now offers a single camera CarDetector - Mobile LPR System (CDMS). The CDMS single camera solution package is the most unique law enforcement License Plate Recognition (LPR) system available today for mobile application. While operating in a mobile law enforcement cruiser, in conjunction with embedded DSP technology, CDMS provides automated "Hot-List" alarm matching of multiple plate scans matched against federal and state "Hot-List" databases such as DOJ, NCIS, DMV, etc. Whether searching a parking lot, cruising on patrol, or idle at a speed check point, CDMS records all LPR data that passes through the watching eye of the cruiser's video cameras. CDMS is the future of automated crime fighting.
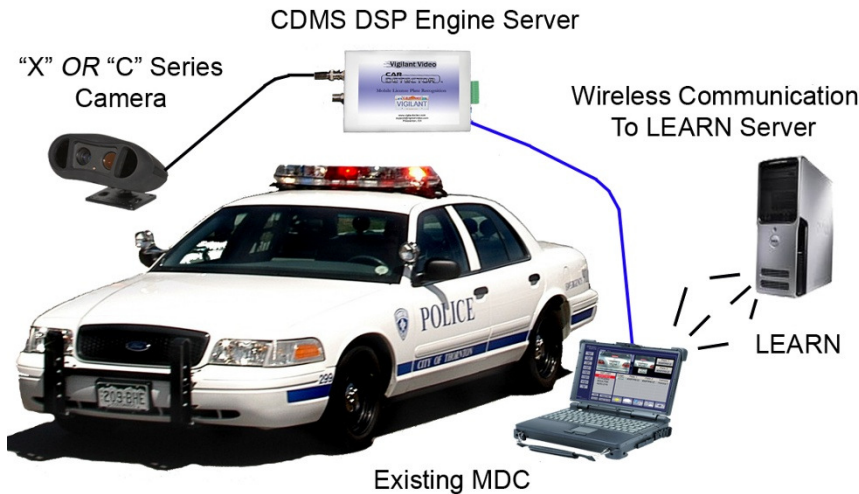
Vehicle "Hot-List" Alarm Monitor

LEARN
Law Enforcement Archival Reporting Network

Protecting our Future

CDMS Architecture

CDMS DSP Engine Server

"X" OR "C" Series Camera

Wireless Communication To LEARN Server

LEARN

Existing MDC

Architectural Features Include:

- Choice between 2 high performance LPR camera types
- Built in color overview camera
- Choice between front or rear view schemes
- Parking lots, community sweeping and highway patrol
- Installation of CDMS on existing laptops or MDCs
- CDMS Remote Viewer to access DSP compute resource
- "Hot List" import via USB key or download from LEARN
- Interface to LEARN for enterprise storage and queries

"Hot-List" Matching

Applications:

- Stolen Cars
- Suspected Criminal ID
- Unregistered Vehicles
- Uninsured Vehicles
- Crime Prevention
- Gang Identification
- City Map Alarm Overlay
- DOJ, NCIC, DMV & More

HOT LIST
4O66GR2
4O78D24
4TT834S
4VXR900
4WPP612
4WP8614
4W886L5
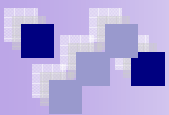
Mobile LPR

Features:

- License plates compared against "Hot-List"
- "In-Car" audio/video alarm notification
- Records all records with time stamp & plate image
- Power CDMS via cruiser key ignition
- GPS coordinates w/ each record
- Adaptive Optical Character Recognition engine
- Utilizes Infrared and color camera technologies
- Display output to MDC w/ CDMS Remote Viewer
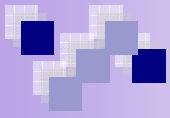- Export and collect all capture records to LEARN

Benefits:

- Automation frees manual "plate checking"
- Reduces human error of plate ID's
- Proactive tool to reduce or prevent crime
- Decreased response times to important events
- Review car location history and analyze trends

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CDMS LEARN

Features:

- "Hot-List" administration and update Management
- Integration of car plates into common database
- Ideal for multiple patrol car force over large areas
- Plate record data specifically indexed with GPS
- Historical query & forensic mapping to aid investigations
- Automated reports for users to track key statistics

Benefits:

- Common interface for event viewing from all cameras
- Storage provides database for all recorded plate data
- Easy interface for Microsoft compatible output reports
- Open database format for integration w/ 3rd party db's

CDMS Made Easy

Required Components:

- CarDetector - Mobile LPR Edition software application
- Vigilant Video's "C" or "X" series low profile LPR Cameras
- CarDetector DSP Engine
  - No dedicated PC necessary

Accessory Components:

- LEARN multi-level secure server application
  - Share LPR data with neighboring police departments
- Touch screen and Pelican casing
  - For independent or covert viewing

Installation:

- 1 software disk 1 Camera, 1 DSP
  - 20 minute or less

Hardware Components

Vigilant C Series Camera:

- Super low profile form factor
- Combination infrared/color camera
- Built-in analog color overview
- 8mm through 75 mm lens Pkg. options
- Power Input: 12V DC

Vigilant X Series Camera:

- Ideal for parking lot scanning
- Analog infrared Camera
- Combined color overview
- 9' to 18' capture distance
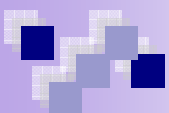- Power Input: 12V DC
- Power consumption: <20W

Digital Signal Processor:

- Single Point Power Connection
- Powers Entire System
- Crossover Cable direct to MDC
- 6.5" L X 4.2" W X 1.5" H
- 720 MHz DSP Processor
- BNC connection to cameras

About Vigilant Video

Vigilant Video is a leading provider of Advanced Video Analytics solutions for security and consumer behavior analysis applications. We specialize in diverse DSP applications of Advanced Video Analytics software. We remain an innovative developer of video algorithm libraries and data mining technologies. Our applied advanced video analytics solutions provide security professionals situational awareness and pertinent video information by utilizing the newest algorithms and techniques available in the CCTV content analysis market. Through real-time analysis of video feeds, Vigilant Video puts actionable information in the hands of those who need it and can use it most. He is still out there…but we are Vigilant.