

Vigilant Video

CAR DETECTOR™

CarDetector - Fixed LPR Edition for DSP - Product Data Sheet

Overview

Vigilant Video, Inc. now offers CarDetector - Fixed LPR Edition (CDFS) - an enterprise class Digital Signal Processor (DSP) based license plate recognition (LPR) system utilizing the reporting technology of Vigilant Video's Law Enforcement Archival Reporting Network (LEARN) server application. In conjunction with LEARN, CDFS is the most comprehensive and effective LPR solution available today. With state-of-the-art DSP technology, up to 10 cameras per single CDFS server may be deployed while connected with LEARN for historical, tracking and forensic queries. CDFS provides automated "Hot-List" matching of multiple plate scans matched against federal, state and private "Hot-List" databases. The DSP architecture is ideal for large area networks such as parking lot control, point of entry security and traffic surveillance. CDFS records all LPR data that passes through the ever watching eye of the fixed video cameras - It is the future of public safety & automated security.

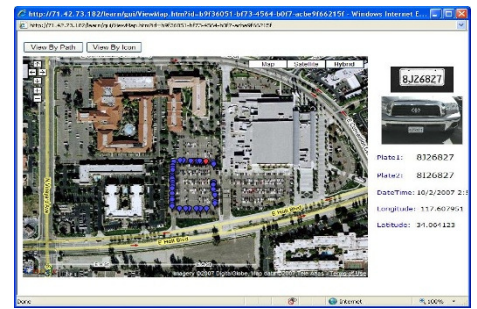
CDFS in Action



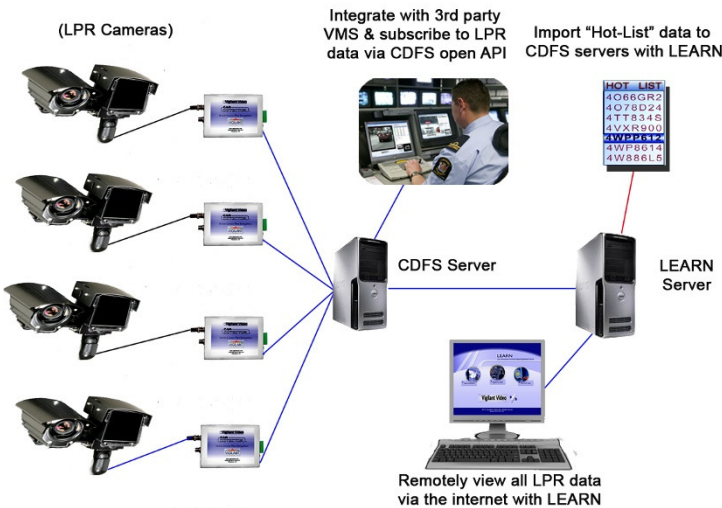
CDFS Environment



LEARN



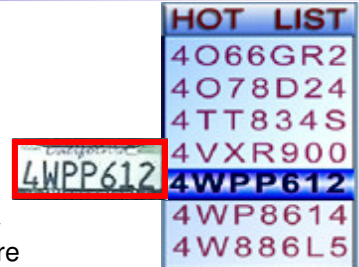
CDFS - DSP Architecture



"Hot-List" Matching

Applications:

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



Example LPR Cameras



Extreme
CCTV
Reg-D1



Vigilant
Video
"C" Series

Architectural Options:

- One DSP per combination IR/color LPR camera
- Up to 10 DSP channels per CDFS Server
- Optional color overview (camera dependent)
- Manual "Hot-List" import or Automated management w/ LEARN
- Fully documented API for integration w/ 3rd party VMS
- Interface to LEARN for LPR data storage and queries
- Local LPR data access via CDFS event viewer or Remote access from anywhere on the World Wide Web via LEARN



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CAR DETECTOR™

Fixed LPR

DSP Technology

Features:

- License plates compared against "Hot-List" database
- Color overview & plate image, OCR interpretation, and camera location w/ each LPR record
- Authorized/Unauthorized access control checking
- Adaptive Optical Character Recognition engine
- Display output to local CDFS server
- Export and collect all capture records with LEARN
- Additional Expert settings configuration utility

Benefits:

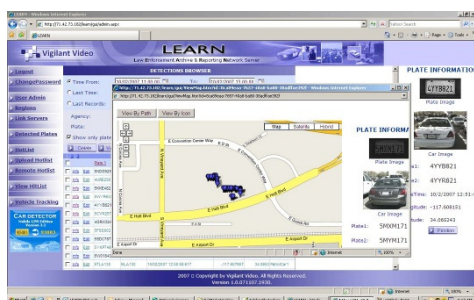
- Automation frees manual "plate checking"
- Proactive tool to reduce or prevent crime
- Capture, archive and reference facility traffic data
- Review car location history and analyze trends
- Requires minimal operational training



- Intelligent Video Server
- No Moving Parts
- RS232 Dynamic LPR Camera Control

The Digital Signal Processor (DSP) Powered by MangoDSP

- CarDetector Framework transforms the DSP to an intelligent edge device
- Small form factor - 6.3" X 3.9"
- Up to 720 MHz Processor
- Up to 128 Mb SDRAM
- -40°C - 85°C Temp. Operating Range
- RJ 45 Ethernet Communication
- On Board 802.11b Wireless LAN
- BNC connection w/ DC power
- No Maintenance required
- Manages all "Heavy Lifting" duties
- Security architecture of the future



System Requirements

CDFS Software & CPU:

- Multiple DSP/Camera combos per CDFS Server
- CDFS Operates on standard Microsoft platform
 - Windows XP Professional SP2
- Pentium IV w/ Hyper Threading or better
 - Dual core processor recommended
- Direct X 9.0 or higher
- MySQL database application
- Direct Show compatible Video Capture Card
 - AverMedia Argus IIX Recommended

CDFS Memory & Storage:

- 1 GB SDRAM
- Hard Drive - 7200 RPM

For large scale deployments, up to 10 DSP channels may be linked to a single CDFS server, all of which may then be connected to the optional LEARN server.

CDFS W/ LEARN

Features:

- Master view of vehicle history and geographical location
- "Hot-List" administration and update Management
- Integration of car plates into common database
- Ideal for secure public safety network 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
- User interface for ad-hoc search and target plate ID
- Automated reports to track statistical information
- Open database format for integration w/ 3rd party db's
- LEARN reduces intra-office support

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.



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