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**From:** Midiri, Michael  
**Sent:** Wednesday, August 01, 2012 12:41 PM  
**To:** Morgan, Megan  
**Subject:** FW: Vigilant Video Customer Proposal - Springfield IL Deployment  
**Attachments:** image001.png; image002.png; Vigilant\_Video\_Quote#\_DKL-0021-02.pdf

**Importance:** High

Here is a copy of unit we have ordered.

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**From:** Dave Lowry [mailto:dave@enforcementproducts.com]  
**Sent:** Monday, July 09, 2012 4:10 PM  
**To:** Midiri, Michael  
**Subject:** FW: Vigilant Video Customer Proposal - Springfield IL Deployment  
**Importance:** High

Hello Michael...

Per our earlier conversation, here is the quote for 1 Vigilant Video LPR system. I will get details on the remaining questions asap.

Thanks for your patience and I am sorry it was a pain getting a hold of me. Also, let me give you my cell number...

Best regards,

Dave Lowry

Enforcement Products helps law enforcement agencies catch criminals and dangerous drivers with things like in-car video, wearable video, laser speed measurement, radar units, speed signs/trailers and alcohol testers.



|                                                                                  |                               |                                                                                                                     |             |                                                                                    |  |
|----------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------|--|
|  |                               | <b>Enforcement Products, Inc.</b><br>927 E. 67th St.<br>Indianapolis, IN 46220<br>(P) 317-254-5676 (F) 317-254-5604 |             |  |  |
| Attention:                                                                       | Springfield Piloce Department | Date                                                                                                                | 7/9/2012    |                                                                                    |  |
| Project Name:                                                                    | Springfield IL Deployment     | Quote Number:                                                                                                       | DKL-0021-02 |                                                                                    |  |

## **PROJECT QUOTATION**

We at Enforcement Products, Inc. are pleased to quote the following systems for the above referenced project:

| Qty | Model #                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) | Mobile LPR SYS-1<br>CDMC2PW24-- | <b>CarDetector - DSP Based Mobile LPR 2-Camera System (Expandable to 4 Cams)</b><br><u>Software Includes:</u> <ul style="list-style-type: none"> <li>Includes CarDetector software application, MDC Viewer application &amp; OCR engines</li> <li>Includes Camera control package, Hot-List Management &amp; reporting capabilities</li> <li>CarDetector Mobile LPR Software Version 5.0</li> </ul> <u>Hardware Includes:</u> <ul style="list-style-type: none"> <li>Includes solid state DSP Unit (No Moving Parts) - Expands to 4 cameras</li> <li>System Shall have Single Point Power Connection w/ SAE certified Wiring Harness</li> <li>Permanent SAE rated wiring harness (Direct To battery)</li> <li>Field Installed GPS Receiver &amp; factory installed camera cable quick disconnects</li> <li>Includes Qty=1 Combination IR / Color LPR Camera - 25mm Lens Package</li> <li>Includes Qty=1 Combination IR / Color LPR Camera - 50mm Lens Package</li> </ul> |
| (1) | VV-SL-1                         | <b>Vigilant Video Law Enforcement Product Family Site License - Tier 1</b> <ul style="list-style-type: none"> <li>Provides access to Vigilant Video's suite of Law Enforcement security software product(s) including CarDetector Mobile &amp; fixed License Plate Recognition, Law Enforcement Archival Reporting Network Server (LEARN), Mobile Hit Hunter (Extended Private Data access), Mobile Companion for Smartphones, and other software applications considered to be applicable for benefit of law enforcement agencies</li> <li>Includes unlimited technical support, software maintenance, bug fixes, patches, minor software upgrades, major software upgrades and all utilities released within the product evolution</li> <li>As per the Vigilant Video Law Enforcement Product Site License agreement</li> </ul>                                                                                                                                        |
| (1) | VV-LEARN--H                     | <b>LEARN-NVLS LPR Data Hosting Service via National Law Enforcement LPR Server</b> <ul style="list-style-type: none"> <li>Includes automated 'Hot-List' management with refresh intelligence</li> <li>Automated CarDetector software update management</li> <li>Database of all LPR data acquired by each CarDetector system including images</li> <li>Complete search, mapping, query and data mining utilities w/ administrative security</li> <li>Requires NO server hardware, NO server maintenance</li> <li>Plug-N-Play an unlimited number of CarDetector LPR systems</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                   |
| (1) | SSU-LN-COM                      | <b>Vigilant Video Start Up, Configure and Commissioning of the LEARN Server Application</b> <ul style="list-style-type: none"> <li>Vigilant Video certified technician to visit site for up to 8 hours</li> <li>Set up and configuration of the LEARN Server application (Software/Hardware)</li> <li>Required for all LEARN deployments w/ hardware provided BY OTHERS</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| (1) | SSU-12-COM                      | <b>Start Up, Configure &amp; Commission the CarDetector Mobile System - 1 or 2 Camera Kit</b> <ul style="list-style-type: none"> <li>Vigilant Video certified technician to visit site for up to 3 hours</li> <li>Set up and configuration of CDMS &amp; LEARN hardware/software system</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| (1) | TRNG-CDMS                       | <b>Vigilant Video's End User Staff Training for CarDetector Mobile System &amp; LEARN</b> <ul style="list-style-type: none"> <li>Vigilant Video certified technician to visit site for up to 4 hours</li> <li>Training to include set up, configuration and demonstration of all product features</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**NOTES:**

1. All prices are quoted in USD and will remain firm and in effect for 60 days.
2. Complete system to be delivered within 30 days of AOR (After Receipt of Order).
3. Compatibility with Vigilant Video hardware/software to be confirmed prior to sale.
4. Software is manufactured under strict Vigilant Video standard.
5. This Quote is provided per our conversation & details given by you - not in accordance to any written specification.
6. Quote does not include vehicle installation.
7. Wireless updating of the hotlist and software, if desired, requires MDC internet.

**Quoted by: Dave Lowry****Phone: 317-254-5676****Email: sales@enforcementproducts.com**

|                                           |                    |        |
|-------------------------------------------|--------------------|--------|
| <b>Total Price</b> (Excluding sales tax): | <b>\$17,350.00</b> |        |
| Accepted By:                              | Date:              | P.O. # |

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**From:** Midiri, Michael  
**Sent:** Wednesday, August 01, 2012 12:41 PM  
**To:** Morgan, Megan  
**Subject:** FW: Pricing for the Motorola ALPR  
**Attachments:** ALPR Starter Kit Template\_v4 DM SBOEC 071012.docm

Another quote from different vendor.

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**From:** Teresa Adams [mailto:teresa.adams@wirelessusa.com]  
**Sent:** Monday, July 23, 2012 10:06 AM  
**To:** Midiri, Michael  
**Subject:** Pricing for the Motorola ALPR

Hello Mr. Midiri,

Here is the Budgetary Start price which includes everything for the first unit, the additional units after start up would be \$23,480.00

If You get a chance to come by in the next two days The Motorola Solutions Tahoe is here, If you have a moment to stop by and see It  
Or would you like me to bring it to you.

Sincerely,

*Teresa Adams*

**wirelessUSA**  
3115 Dotmar Drive  
Springfield IL, 62703  
217-523-1200 O  
217-523-5761 F



Cut the "im" out of impossible leaving that dynamic word standing out free and clear -- Possible.

[www.wirelessusa.com/catalog](http://www.wirelessusa.com/catalog)

# SECTION TITLE

ALPR MOBILE STARTER KIT

07/09/2012



The design, technical, and cost information furnished with this budgetary proposal is proprietary information of Motorola Solutions, Inc. (Motorola). Such information is submitted with the restriction that it is to be used only for the evaluation of the proposal, and is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the proposal, without the express written permission of Motorola Solutions, Inc. The information provided in this quote is provided for informational (or budgetary) purposes only and does not constitute an offer to sell or license any Motorola product. This quote is not binding on Motorola and Motorola is making no representation, warranties, or commitments with respect to pricing, products, or terms and conditions, which would require more information and further detailed analysis of the requirements for which this quote is requested.

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07/10/2012

SBOEC Bureau Chief Mr. Michael Midiri  
800 E Monroe Room 103  
Springfield, Illinois 62701

Subject: Proposal for a SBOEC

Dear Mr. Michael Midiri:

Motorola Solutions, Inc. ("Motorola") is pleased to have the opportunity to provide the [Springfield Bureau of Emergency Management with quality communications equipment and services. The Motorola project team has taken great care to propose a solution that will meet your needs and provide unsurpassed value.

To best meet the functional and operational specifications of this solicitation, Motorola's solution includes a combination of hardware, software, and services. Specifically, this solution provides:

- Budgetary Single Position ALPR

This proposal consists of this cover letter. This proposal shall remain valid for a period of 60 days from the date of this cover letter. Motorola will be pleased to address any concerns SBOEC may have regarding the proposal. Please direct any questions to your Motorola account executive, Teresa Adams, at 217-523-1200

We thank you for the opportunity to furnish SBOEC with "best in class" solutions and we hope to strengthen our relationship by implementing this project. Our goal is to provide you with the best products and services available in the communications industry.

Sincerely,

Motorola Solutions, Inc.

Teresa Adams  
Motorola Solutions MR

## TABLE OF CONTENT

# SYSTEM DESCRIPTION

## 1.1 ALPR MOBILE OVERVIEW

An ALPR system from Motorola and PIPS Technology acts as a silent partner in the vehicle, constantly scanning license plates of passed vehicles. When a vehicle of interest is passing, the system can alert the officer and record the time and GPS coordinates when the encounter happened. The system can check several thousand plates in a single shift. Motorola's Mobile ALPR solution is built on Motorola's rugged and reliable MW 810 MDT in combination with PIPS PAGIS software and SLATE™ ALPR cameras.

The BOSS Back Office System Software provides administrative and data analysis functions for all deployments of ALPR including mobile, and fixed, and serves as a central repository where all data resides and is usable as a total population. The BOSS allows law enforcement to capitalize on the tremendous amount of data generated by in field camera system. This includes the ability to literally map the "read" history of a license plate number, or even a partial plate number, that has recently become a number of interests. By entering the number into the BOSS, a map is generated specifically showing all times, dates, and locations in which that plate was read throughout the system for as long as the agency has retained the information. Of even greater value, the PIPS system allows the sharing of historical information with other regional PIPS systems in use.

This document provides fully functional packages for a one-vehicle four-camera mobile deployment. These packages include all essential in-car equipment and installation services, all backend software, hardware and configuration services and training required to implement a complete ALPR system.

## 1.2 MOTOROLA SOLUTIONS ALPR SYSTEM BENEFITS

- Utilizes the industry leading MW 810 platform for processing power.
  - MW 810 Benefits include: more processing power; smaller in-car footprint; fully rugged MIL-STD 810g spec'd; easier installation; supports multiple peripherals.
- Works with existing PIPS systems and BOSS servers
- Can interface with and share information with other PIPS system users regionally or across the country.
- Provides Automated Hotlist building functionality for plates of interest.
  - Provides white list capabilities in conjunction with Hot List.

**NOTE:** White list allows a list of registered plates for restricted/controlled areas to reside in vehicle. If a plate is read that is NOT on the list an alert is given to the user.

- Allows for a record of time/date; GPS location; license plate number; and color picture of vehicle is created and retained for *every* plate read, not just the hits.
- Provides mapping functionality for license plate number, or even partial plates, entered into the BOSS shows a history of read plates.

- Data mining/intelligence analysis.
- Includes OCR (Optical Character Recognition) Engines developed by dedicated engineers for highest read accuracy and reliability in the market.
  - Regionalized OCRs for reliability in the 90+% range.
- Includes a low-profile camera design which provides minimal aesthetic impact on the vehicle.

## 1.3 ALPR SYSTEM DESCRIPTION

Automatic License Plate Recognition (ALPR) helps police and other security personnel do their jobs more effectively. Every day, in every jurisdiction, there is a list of license numbers to watch for: stolen cars, suspended licenses, escaping suspects, possible kidnappings, and other persons of interest. These individuals could be identified by their vehicles' license plates. However, officers on patrol simply don't have the time to check the license on every car they see.

Public safety departments know all too well that resources are tight while the need to protect the public never ceases. Any new technology that enables them to "do more with less" has great value to the department and to the community it serves.

ALPR is a cost-effective way to give patrol officers an extra assist. In effect, ALPR is a partner whose sole job is to watch for wanted plates. It puts more eyes on the streets without adding personnel. ALPR can have a positive impact on many pressing concerns including:

- **Officer safety:** Personnel can take steps to protect their own safety when they are alerted that a nearby car may present a risk.
- **Arrest rates:** More perpetrators will be identified, and they'll be identified sooner, because every ALPR-equipped car is on the lookout for every suspect.
- **Accountability:** Detailed records, including photos of cars that registered a "hit" on the database, can be stored and retrieved at a later time to document events.
- **Efficiency:** Personnel can spend less time worrying about reading and remembering license numbers, and more time on the tasks that require their expertise and training.
- **Reduce claims of profiling:** The system looks for plates on every vehicle regardless the vehicles' condition or the driver.
- **Homeland security:** Local first responders can compare plates to wanted lists issued by state and federal agencies including the Department of Homeland Security, thus enabling them to identify suspects wanted outside their local jurisdiction.
- **Revenue Recovery:** Seizure of drug funds located in drug smuggling vehicles, expired registrations, parking violations, etc.

Specific use cases include:

- Amber Alerts
- Wants, Warrants & BOLO
- Sexual Predator Monitoring
- Scofflaw Enforcement
- Stolen Vehicle Detection
- Speed Enforcement Systems
- Crime Investigation / Analysis
- Exonerate the innocent

While officers go about their work, the MW 810 ALPR System performs all of the following tasks:

- **Capture:** A camera captures an image of every license plate that comes within the camera's field of view.
- **Read:** An optical character recognition (OCR) algorithm reads the license number and stores that and related information as a data file.
- **Compare:** Database software compares the license number against a "hot list" of plates associated with suspects, stolen vehicles, and other vehicles or people that are being sought.
- **Alert:** If the plate matches a number on the hot list (referred to herein as a "hit"), the user is alerted so he or she can take appropriate action.
- **Record:** Finally, a list of every plate number that was captured, along with a snapshot image of the vehicle, is maintained. A separate hit file on vehicles that matched the database is also kept.

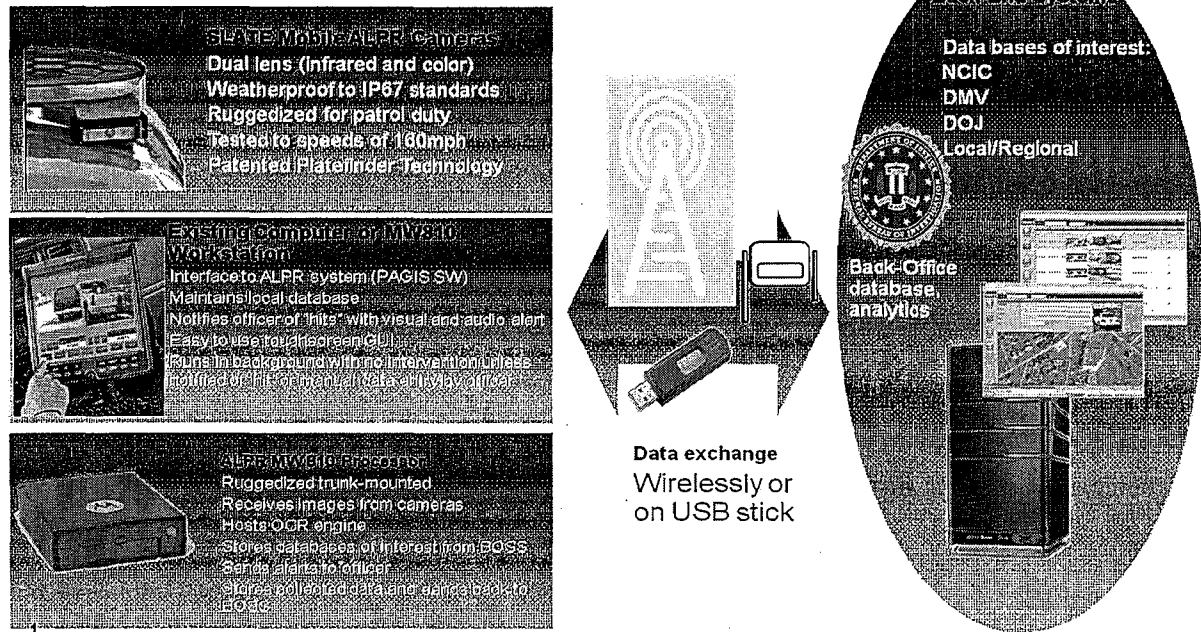
Motorola has partnered with PIPS Technology (a Federal Signal Company), an industry leader in the design and manufacture of ALPR systems. In developing the MW 810 ALPR System, Motorola has seamlessly integrated PIPS' unique license plate image processing technology with Motorola's industry-leading Mobile Data Computer (MDC), the MW 810 Mobile Workstation. The implementation eliminates the need for a separate image processing unit (i.e the PIPS Superex processing box) since the hardware is self-contained in the MW 810's CPU. The MW 810 is highly configurable to meet the demanding requirements of mission-critical applications and also hosts PIPS' Police ALPR Graphic Interface System (PAGIS®) client, the end user application software. The MW 810 CPU combines the benefits of two industry leading products. Benefits of using the MW 810 include: more processing power; smaller in-car foot print; less weight; MIL-STD 810g specifications.

In addition to the components in or on the vehicle, the Motorola Integrated Mobile Automatic License Plate Recognition Solution includes the PIPS Technology BOSS™ Back Office System Software application. This is the software that manages the central repository for plate data, and supports valuable data analysis and administrative functions. The mobile components may be thought of as the "eyes" or probes on the street, and the BOSS software as the manager of the source and collected data.

### 1.3.1 Mobile Components

A MW 810 ALPR System can be installed in almost any vehicle. The required main vehicle components are PIPS Technology Slate™ ALPR cameras (one to four per vehicle; four are included in this starter package) and mounts, the Motorola MW 810 CPU equipped with the Motorola ALPR Expansion Board, and the PAGIS client application.

# Mobile ALPR Components



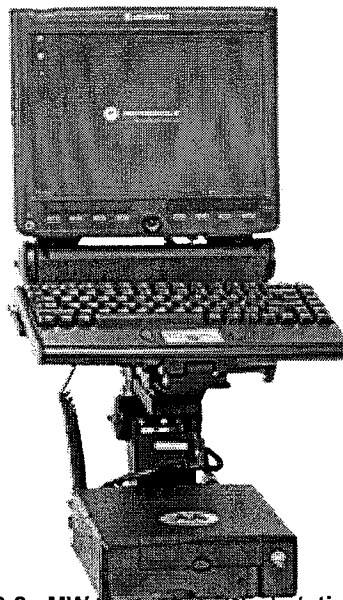
The Motorola MW 810 ALPR System includes the following PIPS Technology elements. These items are bundled to be purchased as a package, with mounting options.

- **Slate ALPR Cameras:** Each vehicle may be equipped with from one to four cameras mounted on the exterior (starter kit includes four cameras). Each unit actually houses two discrete cameras: an infrared (IR) camera captures images of license plates, while a color overview camera captures images of the target vehicles and their surroundings. The required number and type of cameras will vary with the intended application, and is covered later in this planner.
- **Client Application Software:** The PAGIS client application software is installed on the Motorola MW 810 Mobile Workstation CPU inside the vehicle.
- **Camera mounting hardware:** Motorola sells the Slate camera as part of a package that includes mounting brackets and plates designed to fasten the cameras securely to approved lightbar assemblies (not included). Package options are set up for specific lightbar brands and models. Alternatively, a package option is available to mount the cameras directly to the roof of the vehicle, (not included in starter kit) e.g., when there is not a lightbar on which to mount the camera(s).



**Figure 2-1: The low-profile Slate ALPR camera (up to four) unit mounts outside the vehicle under the lightbar**

The Motorola MW 810 Mobile CPU is a high-performance, fully-rugged computing platform designed and tested to meet Military MIL-STD-810G standards for the harsh mobile environment. This device includes an integrated Trimble Lassen® iQ GPS receiver with an external rugged, low-profile hard mount antenna for location data associated with the ALPR system.



**Figure 2-2: MW 810 Mobile Workstation**

When license plates are manufactured, most are given a special reflective coating that makes the number highly visible at an IR wavelength. The Slate ALPR camera is able to read infrared reflections off the license plate and as a result, the camera can read plates day or night.

Another benefit is that license plates can read at differential speeds of up to 160 MPH. This means if the squad car is traveling at 70 MPH and a car approaches at 90 MPH in the opposite direction, the number on its plate can be read.

MW 810 ALPR uses the IR wavelength cameras because:

- Most license plates are highly reflective of emissions in the IR range.
- The IR camera lens filters out visible light, thus virtually eliminating the effect of glare from sunlight or headlights, which otherwise would impair the image and could cause missed or erroneous readings.
- In conjunction with its integrated IR illuminator (the “flash”), the IR camera can read plates in the dark and poor lighting conditions.
- Some IR wavelengths are invisible or nearly invisible to the human eye.

While the cameras are operating, the MW 810 ALPR system can display the live video feed on the MDC screen. Officers can see images from the IR camera and also from the color overview camera. Officers can use the MW 810 ALPR system to take a picture (“Take Pic”) and store the still image at any time. While only two cameras may be displayed simultaneously on screen, up to four cameras are in operation and checking plates against the databases of interest.

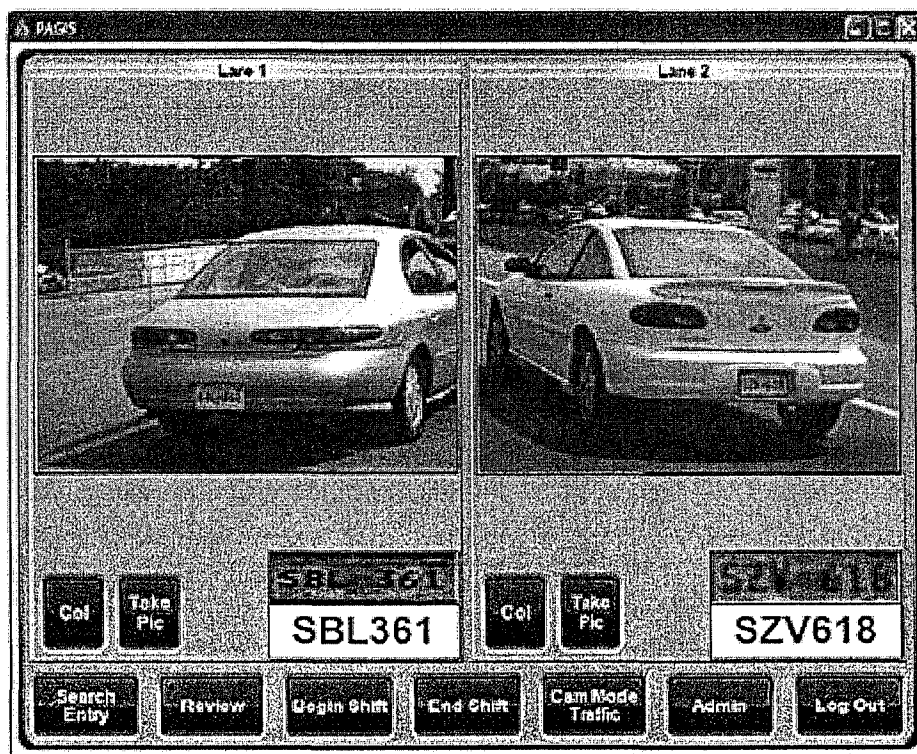


Figure 2-3: Video Display in Live View

Once the license number has been read by the camera, the in-vehicle software compares that license number to one or more database files, or “hotlists”, stored on the MW 810. These files contain

information about license numbers of interest. Even if the captured number does not appear in any of the currently-searchable databases, the MW 810 ALPR system adds the number to a list of every number that has been captured. MW 810 ALPR alerts users when it finds a match between the captured plate and a license number in the database. This enables users to take appropriate action. Regardless of which camera(s) are being viewed on the mobile data computer at the time a plate of interest is found, the client application sounds an audible alarm (a loud “ding” is the default, but this is configurable) and the screen displays a pop-up window that shows the license number, a snapshot of the vehicle, and any available information about this number from the database. For EVERY plate that is read, regardless of whether or not it is on a hotlist, the ALPR system records and stores the plate number; the GPS location of the read; a time and date stamp; and a color picture overlay of the vehicle. This log file and the incident information can be searched later and all reads mapped, for example, if a “wanted plate” is identified after a work shift is completed.

During operation, MW 810 ALPR stores information about every license plate it reads. The files containing this data can be copied and archived for later use.

- A text file contains the time and date, location (if GPS enabled), the license plate number and the associated JPEG file name
- A JPEG file contains images captured from the IR and color cameras

MW 810 ALPR also keeps a separate set of files about plates that triggered a hit in the hot list database. This allows easy retrieval of information about wanted vehicles without having to sort through each and every license plate captured during the shift.

Users may review and search this information at any time during the shift. When users log out at the end of their shifts, the in-vehicle client gives them the option to synchronize/upload files. Once files have been synchronized, they are deleted from the vehicle’s computer and thereafter may be accessed only from the server.

### **1.3.2 Back Office System Software Components**

The Back Office System Software (BOSS) was designed specifically for law enforcement organizations that use PIPS Technology ALPR. The BOSS application provides an easy to use interface for crucial functions such as:

- Setting up and maintaining user groups
- Creating and updating the hot list database
- Importing hot list data from other sources (e.g., NCIC, state and local databases)
- Capturing, archiving, searching, and generating reports from the collected data

Administrators use the BOSS application to manage data and user permissions. Patrol officers, detectives, supervisors, management, and other authorized personnel might use it as an investigative tool to analyze the information gathered by ALPR – information that can lead to an arrest, a successful prosecution, the payment of outstanding fines/tickets, or the cleanup of a high-crime neighborhood.

BOSS software is required to disseminate hot lists to the ALPR-equipped vehicles in the field, and vital for analyzing their collected data. Its powerful “data mining” capability is one of the key benefits of the MW 810 ALPR Solution, but customers should not discount the operational efficiencies and integrity it also enables.

This application will help to:

- Ensure that officers are using the most current, accurate, and comprehensive data to prevent wanted vehicles from slipping through the cracks
- Analyze and customize the vast amount of data collected by units in the field to support investigations and proactively identify trends and recurring patterns
- Record the GPS location of every plate and every database hit so the exact location of where and when each plate/vehicle was spotted is captured and reported
- Manage user IDs and permissions with greater efficiency so administrators have more time to spend on other duties

BOSS software is valuable for customers who use manual file updates, as well as those who update files via a wireless data network. In either case, administrative personnel will find it much easier to handle file updates with BOSS software.

Typically, the BOSS server is located in the customer's IT department or an administrative office. It could be placed anywhere, understanding that a secure location with a reliable power supply helps ensure the highest system availability. An Uninterruptible Power Source (UPS) is recommended.

BOSS software users with administrative privileges may perform these tasks:

- Manage PAGIS and BOSS software user IDs
- Create and maintain the hot list database files
- Synchronize files between the PAGIS and BOSS applications

The BOSS and PAGIS applications are designed to work together. BOSS software creates a "begin shift" package ready to download to the PAGIS client-equipped vehicles. This package can include user names, permissions, and passwords as well as updated hot list database files.

When PAGIS client users synchronize files, an "end shift" package is generated using the data files created during the shift. This package is uploaded and imported into the BOSS server, where authorized users can view, archive, and analyze the data.

### 1.3.3 ALPR Mobile System Hardware and Software Components

#### In-Vehicle Hardware/Software Components:

- ALPR Four SLATE Camera Package with PAGIS Software
  - a. \*\*\*\*Mounting kit option determined by light bar type (see list of lightbar types and appropriate mounts listed in the Pricing section.)
- MW 810 ALPR Central Processing Unit
- 400NIT Touchscreen Display
- KEYBOARD Backlit, Rugged
- 5.0M (16.4 ft.) MW 810 Disp-CPU Cable
- WLAN ANT, 1x1 Sharkfin, 12 ft.
- Camera Splitter Cable
- Ignition Sense Block

#### Backend Hardware/Software Components:

- BOSS Admin License and 1 User
- Microsoft SQL 2008 R2 with five (5) PC Client License
- BOSS Mapping Software



- BOSS License- five (5) Users
- Hewlett-Packard DL180 G6 Server with Microsoft Server 2008 R2- 2TB Internal Video Storage

Motorola Solutions Services to configure ALPR Server and Train Personnel (administrator and end users).

NOTE: Mounts are dependent on vehicle make/model and interior configuration and must be defined at time of order (see pricing section for more detail).

## SECTION 2

# STATEMENT OF WORK

## 2.1 OVERVIEW

Motorola proposes the defined equipment installation and configuration as noted below. The document delineates the general responsibilities between Motorola and SBOEC ("Customer") as agreed to by contract.

Within the proposed Starter Kits Motorola has included a combination of a Fly Team and a local Motorola partner to provide the support noted under the Motorola responsibility section below.

Fly Team Services that include the following:

- Installation and configuration the Microsoft SQL and BOSS server software
- Defining and deploying the ALPR PAGIS configuration and setting up user accounts
- Verification of vehicle equipment installation and in-vehicle app configuration
- End to end system test, including plate reads, uploading of data, and building/distribution of hotlists
- In-vehicle end-user training
- BOSS end-user and administrator training

A local Motorola service shop will provide the physical installation of the MW 810 and PIPS SLATE ALPR hardware equipment.

## 2.2 MOTOROLA RESPONSIBILITIES

Motorola's general responsibilities include the following:

**NOTE:** Installs will occur during normal working hours Monday - Friday 8am - 5pm

### 2.2.1 Motorola General Responsibilities

- Conduct project kickoff meeting/call with customer to review project design and finalize requirements.
- Schedule the implementation in agreement with SBOEC.
- Coordinate the activities of all Motorola subcontractors under this contract.
- Administer safe work procedures for installation.
- Provide SBOEC with the appropriate system interconnect specifications.
- Define electrical requirements for the equipment to be installed in the Customer-provided facilities.
- Define heat load for the equipment to be installed in the Customer-provided facilities.
- Review ALPR pre-deployment checklist with Customer to ensure all data is completed prior to implementation.
- Provide training as defined in Training section.
- Optimize equipment and verify that all equipment is operating properly and that all electrical and signal levels are set accurately.
- Verify communication interfaces between devices for proper operation.
- Test features and functionality are in accordance with manufacturers' specifications.
- Verify the operational functionality and features of the proposed starter kit system supplied by Motorola, as contracted.
- If any major task as contractually described fails, repeat that particular task after Motorola determines that corrective action has been taken.
- Document all issues that arise during testing.
- Document the results of the testing and present to the Customer for review.
- Resolve any punch list items.
- Integration of third party products is not included in this proposal.

### 2.2.2 Motorola BOSS Responsibilities

- Installation and configuration the Microsoft SQL and BOSS server software
- Defining and deploying the ALPR PAGIS configuration and setting up user accounts
- Provide end to end system test, including plate reads, uploading of data, and building/distribution of hotlists
- Conduct BOSS end-user and administrator training.

### 2.2.3 Motorola In-Vehicle Installation Responsibilities

These services will ensure the seamless deployment of the initial system. The system will be deployed using a combination of a local Motorola Channel Partner who specializes in the installation of systems and a deployment specialist that will be sent to the customer location to perform the system setup,

optimization and testing to validate system operation of the MW 810 ALPR located in the vehicle (or trailer equipment as applicable) and the BOSS server.

- Provide installation and configuration of the following equipment within the customer provided vehicle (in car shelving, if desired, must be quoted separately).
- Services provided are for cars. (K9 unit vehicles or other special installation requirements may require additional quote to accommodate for complex installs).

#### **In-Vehicle Hardware/Software Components:**

- ALPR Four SLATE Camera Package with PAGIS Software
- MW 810 ALPR Central Processing Unit
- 400NIT Touchscreen Display
- KEYBOARD Backlit, Rugged
- 5.0M( 16.4 FT) MW 810 Disp-CPU Cable
- WLAN ANT, 1x1 Sharkfin, 12FT
- Camera Splitter Cable
- Ignition Sense Block
- Includes a one-time installation per defined installation plan.
- In Vehicle application configuration
- In-vehicle end-user training

## **2.2.4 MOTOROLA TRAILER INSTALL RESPONSIBILITIES**

- Provide installation and configuration of the following equipment within the proposed trailer.
  - Two SLATE ALPR Camera Package with PAGIS Software
  - MW 810 ALPR Central Processing Unit
  - 400NIT Touchscreen Display
  - KEYBOARD Backlit, Rugged
  - 5.0M( 16.4 FT) MW 810 Disp-CPU Cable
  - WLAN ANT, 1x1 Sharkfin, 12FT
  - Two WWAN antennas
  - Lund clamshell mount
  - Camera Splitter Cable
  - Ignition Sense Block
  - ALT 1000 Decatur On-Site 400 Trailer, Twelve 55 amp-hour batteries, Two solar panels, single line display sign

## **2.3 CUSTOMER RESPONSIBILITIES**

**INSTALLATION:** An installation date must be jointly agreed upon 14 days (or more) in advance of the installation date. If the Customer desires to change this date additional fees may result in a change order to account for travel costs associated with the schedule change and increased expenses.

SBOEC general responsibilities include the following which must be completed prior to the agreed upon Motorola Installation date:

- Ensure that all required Memorandum of Understanding (MOU) approvals are secured from the appropriate state/federal agencies for the system access to all required HOT LIST information acquisition and ongoing data transfers.
- Customer will provide a dedicated delivery point for receipt, inventory, and storage of equipment.
- Coordinate the activities of all SBOEC vendors or other contractors, as applicable.
- Provide all buildings and space required for system installation.
- Provide 120 VAC power outlets within 6 feet of each device requiring power.
- Provide obstruction-free area for the cable run between the demarcation point and the communications equipment.
- Ensure communications sites meet space, grounding, power, and connectivity requirements for the installation of all equipment.
- All electrical work, as needed, is the responsibility of the Customer.
- Obtain all licensing, site access, or permitting required for project implementation.
- Secure site lease/ownership, zoning, permits, regulatory approvals, easements, power, and Telco connections.
- Supply adequately sized electrical service, backup power (UPS, generator, batteries, etc.) including the installation of conduit, circuit breakers, outlets, etc., at each equipment location. Provide AC power (dedicated 20 Amp AC outlets – simplex with ground) for each major piece of equipment within 6 feet of the location of the Motorola-supplied equipment, including the associated electrical service and wiring (conduit, circuit breakers, etc.).
- Provide adequate HVAC, lighting, cable routing, and surge protection (also, among existing and Motorola-provided equipment) based upon Motorola's "Standards and Guidelines for Communication Sites" (R56).
- Provide floor space and desk space (including desk furniture, as needed) for the System equipment at the Customer-provided facilities.
- Relocate and/or removal of existing equipment, if needed, to provide required space for the installation of Motorola-supplied equipment.
- Bring grounding system up to Motorola's "Standards and Guidelines for Communication Sites" (R56) and supply a single point system ground, of 5 ohms or less, to be used on all FNE supplied under the Contract. Supply grounding tie point within 10 feet from the Motorola-supplied equipment.
- Resolve any environmental issues including, but not limited to, asbestos, structural integrity (rooftop, water tank, tower, etc.) of the site, and any other building risks. (Resolve environmental or hazardous material issues).
- Supply interior building cable trays, raceways, conduits, and wire supports.
- Provide drilling or trenching for cabling, as needed.
- Pay for usage costs of power and generator fueling, both during the installation effort, and on an ongoing basis.
- Any required system interconnections not specifically outlined here will be provided by the Customer, per Motorola specifications. Test results to confirm specification compliancy are required from the customer prior to equipment installation.
- Motorola is not responsible for interference caused or received by the Motorola-provided equipment except for interference that is directly caused by the Motorola-provided transmitter(s) to the Motorola-provided receiver(s). Should the Customer's system experience interference, Motorola can be contracted to investigate the source and recommend solutions to mitigate the issue.
- Provide an Ethernet port if the MW 810 is required to connect to a separate, customer provided Mobile Data Computer (MDC) system (NOTE: a USB or PCMCIA adaptor which support this type of port can also be used.).
- Define location for mounting the MW 810 CPU, the display and keyboard.



- Provide information regarding any GPS which is external to the MW 810 (manufacturer information and model, protocol type).
- Provide USB Flash Drive with a minimum capacity of 256MB for each PAGIS user if Data Transfer will be done via flash drives.
- Provide wireless access point, configuration and installation if the desired data transfer mode is WLAN.
  - Provide wireless access point cable hardware and connectors, switch, as needed, to the BOSS server,
  - Provide the relevant network access information including the SSID, the encryption type and passwords that will be used for the access point.
  - Provide firewall, as needed, between the system and the customer network Internet connection.
  - Provide a site survey using a spectrum analyzer to identify the available frequencies for use, as needed.
  - Obtain approved frequencies for project as required.
- Provide carrier information if WWAN is used for data transfer.
  - Provide modem type.
  - Ensure all relevant carrier cards have been activated and tested prior to Motorola MW 810 installation.
- Provide any MVPN software which is in use.
- Review ALPR pre-deployment checklist with Motorola to ensure all required data is submitted to Motorola prior to installation.

### **2.3.1 Customer BOSS Responsibilities**

In addition to the general responsibilities above, the following BOSS related responsibilities are required:

- Agencies must provide written verification prior to installation that computers used for user or system administrator access to search, view, manage, or maintain uploaded incidents through the BOSS Client Software meet the following minimum performance requirements. The minimum performance requirements are:
  - Pentium compatible PC at 1.0GHz
  - Windows XP SP2 or later, Windows Vista or Windows 7
  - 512MB of RAM
  - 32-bit SVGA display at 800 x 600 pixels
  - 250 MB of hard drive space if the smart client is installed locally
  - 10MB of hard drive space if installing via web
  - Keyboard and mouse
- Provide rack and rack space for server installation, as needed.
- Provide cabling hardware and connectors as required for the server.
- Provide BOSS server installation and cabling.
- Provide switch and installation, as needed.
- Interface server to customer provided UPS.
- Interface the server to the customer's wireless network, as needed.
- Provide a climate controlled room environment appropriate for operating computer equipment.
- Provide and install a UPS with battery back up to power the BOSS server.
- Provide a monitor, keyboard and mouse to utilize during deployment and set up (servers do not ship with keyboard, mouse, monitor).

- Provide Network Design information to Motorola which includes assignment of a permanent IP address for the BOSS server and determine the network topology for the ALPR system components that is applicable to your Enterprise network and policy.
- Obtain the SQL license key from Microsoft for use during server software installation.

### 2.3.2 Customer In-Vehicle Installation Responsibilities

In addition to the general responsibilities above, the following In-Vehicle responsibilities are required:

- Provide vehicles to the local shop for vehicle installations.
- Provide vehicles needed for installation per defined schedule.
- Provide adequate space in vehicle (relocate existing equipment as needed) to allow for the proposed equipment installation.
- Define if middleware apps present such as NetMotion or Radio IP. If middleware applications are present then, policy edit change is required to allow the local communication to the MW810 PAGIS application.
- Removals of existing equipment, as required.

## 2.4 ASSUMPTIONS

Motorola has relied on certain assumptions in agreeing to provide the equipment and services described in this Agreement, including those listed below. If any of the assumptions prove to be incorrect or if any obligations are not performed by SBOEC, Motorola's ability to perform under this Agreement may be impacted and changes to the project schedule, fees, deliverables, or other changes may become necessary.

1. The Customer shall be responsible for obtaining, at no cost to Motorola, consent for Motorola's use of any third party products, including, but not limited to software, necessary to perform its obligations under this Agreement.
2. The Customer shall perform its obligations in a timely manner and in material accordance with the dates and schedules. Decisions to be made by the Customer will be made promptly and without delay.
3. The Customer shall be responsible for its operation and use of the [system] and any deliverables. The Customer is responsible for ensuring that the deliverables meet the Customer's requirements and determining whether to use or refrain from using [the system or] any recommendations made by Motorola.
4. Motorola will have no responsibility for the performance of other contractors or vendors engaged by the Customer, or delays caused by them in connection with the project, even if Motorola has been involved in recommending or selecting such contractors or in the monitoring of their work.



SECTION 3

# TRAINING PLAN

## 3.1 OVERVIEW

Onsite training is included upon completion of the ALPR starter kit installation. Hands on training, utilizing the installed equipment, will be provided by the deployment specialist.

## 3.2 MOTOROLA RESPONSIBILITIES

- Provide user training and administrator training for BOSS equipment.

## 3.3 CUSTOMER RESPONSIBILITIES

- Provide attendees for training per training plan.
- Provide access to vehicle and server, as required, for training session.
- Provide location for training.
- Provide projector for training purposes.

# WARRANTY AND MAINTENANCE

## LIMITED WARRANTY MOTOROLA EQUIPMENT

This warranty applies to Products (defined below) purchased within the fifty (50) United States, the District of Columbia and Canada.

### 4.1 WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

Motorola Solutions Inc. or, if applicable, Motorola Canada Limited ("Motorola") warrants the Motorola manufactured equipment ("Product") against material defects in material and workmanship under normal use and service for the period of time specified below ("Warranty Period")

| Product                              | Warranty Period                                                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MW 810 & ALPR Processor              | 3 Years from shipment (after May 2008)<br>(includes ALPR option board and all option boards)<br><i>Repair Service Advantage post-warranty services are available at an additional cost.</i> |
| ALPR cameras and PAGIS/Boss Software | 1 Year from shipment<br><i>Extended warranty for the ALPR cameras is available for years 2 and 3.</i>                                                                                       |
| ALPR Servers                         | 3 Years from shipment                                                                                                                                                                       |

During the Warranty Period, at no charge to the end user purchaser, Motorola, at its option, will either repair the Product (with new or reconditioned parts), replace it with the same or equivalent Product (using new or reconditioned Product), or refund the purchase price of the Product, provided purchaser notifies Motorola according to the terms of this Limited Warranty. Repaired or replaced Product is warranted for the balance of the original applicable Warranty Period. All replaced parts of the Product shall become the property of Motorola.

This express Limited Warranty is extended by Motorola to the original end user purchaser of the Product and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by Motorola. Motorola assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of Motorola. Unless made in a separate written agreement between Motorola and the original end user purchaser, Motorola does not warrant any installation, maintenance or other services provided in connection with the Products.

Motorola cannot be responsible in any way for any ancillary equipment not furnished by Motorola, which is attached to or used in connection with the Product, or for operation of the Product with any ancillary equipment; and all such equipment is expressly excluded from this warranty. Because each system that may use the Product is unique, Motorola disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

## 4.2 GENERAL PROVISIONS

This warranty sets forth the full extent of Motorola's responsibilities regarding the Product. Repair, replacement or refund of the purchase price, at Motorola's option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. MOTOROLA DISCLAIMS ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

## 4.3 HOW TO GET WARRANTY SERVICE

Purchaser must notify Motorola's representative or call Motorola's Customer Response Center at 1-800-247-2346 within the applicable Warranty Period for information regarding warranty service. If Product is not supported by Motorola, Purchaser may be redirected to appropriate support services center. The Customer Response Center will provide 24x7 call management and 8x5 Technical Support during the Warranty Period, subject to other provisions of Purchaser's agreement.

## 4.4 WHAT THIS WARRANTY DOES NOT COVER

- Defects or damage resulting from use of the Product in other than its normal and customary manner.
- Defects or damage from misuse, accident, water, or neglect.
- Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.
- Breakage or damage to antennas unless caused directly by defects in material workmanship.
- A Product subjected to unauthorized Product modifications, disassemblies or repairs (including, without limitation, the addition to the Product of non-Motorola supplied equipment) which adversely affect performance of the Product or interfere with Motorola's normal warranty inspection and testing of the Product to verify any warranty claim.
- Product that has had the serial number removed or made illegible.
- Batteries (they carry their own separate limited warranty).
- Freight costs to the repair depot.
- A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with Motorola's published specifications or with the FCC type acceptance labeling in effect for the Product at the time the Product was initially distributed from Motorola.
- Scratches or other cosmetic damage to Product surfaces that does not affect the operation of the Product.
- That the software in the Product will meet the purchaser's requirements or that the operation of the software will be uninterrupted or error-free.
- Normal and customary wear and tear.
- Non-Motorola manufactured equipment unless bearing a Motorola Part Number in the form of an alphanumeric number (i.e., TDE6030B).
- Lift trucks if required for installation, removal, replacement or repair of the Motorola-supplied products.
- Dispatch to remote site locations.
- Loading of software upgrades or fixes into the devices.
- Additional services, which may be available at an additional cost upon request.



## **4.5 SOFTWARE PROVISIONS**

This warranty does not include software releases that include feature enhancements or services to install software releases. Such releases and upgrade installation services may be available for purchase at an additional cost.

# PRICING SUMMARY

## 5.1 STARTER KIT PRICING PACKAGE OPTIONS

Three Starter Kit Pricing packages are available as follows.

Pricing packages noted below is per the scope defined in this proposal. If any changes in scope are required please contact your Motorola Sales Representative or Manufacturer's Representative.

\*\*All pricing shown is final Customer discounted price.

### 5.1.1 PACKAGE OPTION 1:

#### Mobile In-Vehicle ALPR with BOSS backend Server HW and SW

| In-Car                          | Description                                                                                                                                                                                                                                                                             | Total Price | If using existing MDT |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|
| Mobile ALPR incl BOSS Server/SW | 1 vehicle: Four camera (SLATE) system with PAGIS software; full MW 810 fixed mount computer; and BOSS back end server and SW (estimate 2 days), Engineering services and installation<br><b>NOTE: Vehicle mount for MW 810 depends on vehicle make/model and interior configuration</b> | \$40,488    | \$38,893              |
|                                 |                                                                                                                                                                                                                                                                                         |             |                       |

## 5.2 OPTION 1:

## 5.2 PAYMENT SCHEDULE

Except for a payment that is due on the Effective Date, Customer will make payments to Motorola within twenty (20) days after the date of each invoice. Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution and in accordance with the following:

- Equipment - Net 20 Upon Shipment
- Services - Net 20 upon Completion of Each Service

Motorola reserves the right to partially ship.

SECTION 6

Day Month Year



*Motorola Solutions Confidential Restricted*

Use or disclosure of this budgetary proposal is subject  
to the restrictions on the cover page.

---

**From:** Midiri, Michael  
**Sent:** Wednesday, August 01, 2012 12:43 PM  
**To:** Morgan, Megan  
**Subject:** FW: Scanned image from Admin Copier AR-M550N  
**Attachments:** AR-M550N\_20120730\_080101.pdf

Copy of PO for system we have ordered.

-----Original Message-----

**From:** Midiri, Michael  
**Sent:** Monday, July 30, 2012 9:08 AM  
**To:** 'sales@enforcementproducts.com'  
**Subject:** FW: Scanned image from Admin Copier AR-M550N

Dave,

Please give me a call when you can to verify you got this and can open.

Thanks,

Michael Midiri

-----Original Message-----

**From:** SPDADMIN355@intranet.cosnet.local [mailto:SPDADMIN355@intranet.cosnet.local]  
**Sent:** Monday, July 30, 2012 9:01 AM  
**To:** Midiri, Michael  
**Subject:** Scanned image from Admin Copier AR-M550N

DEVICE NAME:  
DEVICE MODEL: SHARP AR-M550N  
LOCATION:

FILE FORMAT: PDF MMR(G4)  
RESOLUTION: 300dpi x 300dpi

Attached file is scanned image in PDF format.  
This file can be read by Adobe Acrobat Reader.  
The reader can be downloaded from the following URL:

<http://www.adobe.com/>

OFFICE OF BUDGET & MANAGEMENT  
ACCOUNTS PAYABLE  
300 SOUTH 7TH STREET  
ROOM 210 MUNICIPAL CENTER WEST  
SPRINGFIELD IL 62701

CITY OF SPRINGFIELD, IL  
**PURCHASE ORDER**

This order number must appear on all  
Invoice Packing slips, Packages, and Bills  
→ DO 101 HSEC 00000015983  
Purchase Order Date: 07/24/12

Comments:

Vendor Number: VC0000002176

BID/CONTRACT #: NB13-74C

Total Amount 17350.00

V Vigilant Video  
E 2021 Lss Positas Ct.  
N Suite 101  
O Livermore  
R CA 94551

S CITY OF SPRINGFIELD  
H ATTN: EMERGENCY COMMUNICATION BUREAU  
I 800 EAST MONROE STREET  
P ROOM 103 MUNICIPAL CENTER WEST  
O SPRINGFIELD IL 62701

| LINE | COMMODITY NO      | DESCRIPTION                                      |      |      |       |      |            |      |             |      |       |          |
|------|-------------------|--------------------------------------------------|------|------|-------|------|------------|------|-------------|------|-------|----------|
|      |                   | QUANTITY                                         |      |      | UNITS |      | UNIT PRICE |      | TOTAL PRICE |      |       |          |
| 1    | 84070             | VIDEO CAMCORDERS, ACCESS. & PARTS (PORTABLE TYPE |      |      |       |      |            |      |             |      |       |          |
|      |                   | 0.00000                                          |      |      |       |      | 0.000000   |      | 17350.00    |      |       |          |
|      | COMMODITY LINE NO | FUND                                             | DEPT | UNIT | ACTY  | OBJ  | REPCAT     | FUNC | WC#         | PROG | PHASE | AMNT     |
|      | 1                 | 001                                              | 101  | HSEC | HSEC  | 1507 |            |      |             |      |       | 17350.00 |

This order issued in acceptance of your offer as per:  
QUOTATION REQUEST #:

BID/CONTRACT #: NB13-74C

PURCHASE ORDER: DO 101 HSEC 00000015983

Total Amount 17350.00

VENDOR MUST INCLUDE MSDS SHEETS WITH DELIVERY WHERE APPLICABLE

FEDERAL TAX EXEMPTION NO. 37-6002037

ILLINOIS SALES TAX EXEMPTION NO. E9982-4809-06

APPROVED

P.O. APPROVED BY PURCHASING AGENT/AUTHORIZED

DATE

Purchase by the City of Springfield, Illinois are contingent upon compliance with Chapter 93 of the City Code pertaining to Fair Employment Practices.

PROPER INVOICE - SEE REVERSE SIDE

ORIGINAL

---

**From:** Midiri, Michael  
**Sent:** Wednesday, August 01, 2012 12:44 PM  
**To:** Morgan, Megan  
**Subject:** FW: ALPR Quotes  
**Attachments:** Springfield PD ALPR - 2 Cameras - 05-22-2012.pdf; Springfield PD ALPR - 3 Cameras - 05-22-2012.pdf; Springfield PD ALPR - 4 Cameras - 05-22-2012.pdf; JetMobile\_CDS\_Brochure.pdf; JellyBean v. iSharp Comparison Document.pdf

Further information. This is all I have.

---

**From:** Kean, Charles  
**Sent:** Tuesday, May 22, 2012 11:56 AM  
**To:** Midiri, Michael  
**Subject:** FW: ALPR Quotes

Mike  
Here is the contact info and bids from CDS that was demonstrated for Traffic last week. I did not commit to anything, deciding it would make more sense to let the guy with the money (you) make the decision on what step to take next.

Chuck

---

**From:** Jon Kanikula [mailto:jkanikula@cdsufficietech.com]  
**Sent:** Tuesday, May 22, 2012 11:33 AM  
**To:** Kean, Charles  
**Subject:** ALPR Quotes

Chuck,

My apologies for the delay, but here are the quotes that I have prepared for you for the 2, 3 and 4 camera set-ups that we discussed. I was able to get a little bit better pricing from CitySync, so it was worth the wait. I also attached a spec sheet on the JetMobile software and a comparison document on the low profile iSharp camera versus the JellyBean one that I have on my car. I quoted you the iSharp camera on both the 4 and 3 camera quotes. The two camera quote I just have the parking camera and the inside windshield camera.

Please let me know if you have any questions, I am always happy to help.

Thanks,

Jon Kanikula  
CDS Office Technologies  
Solutions Architect  
1913 N. Knoxville. Ave  
Peoria, IL 61603  
Office – 309-688-6806  
Mobile – 309-208-0186  
Fax – 309-685-1345  
[www.cdsot.com](http://www.cdsot.com)  
[jkanikula@cdsot.com](mailto:jkanikula@cdsot.com)

CMS Master Contract Holder for Panasonic Toughbook Computers and Arbitrator #CMS8291640 & #CMS829164A  
CMS Master Contract Holder for Lenovo Desktop Computers #CMS1560940A



**CDS Office Technologies**  
 1913 North Knoxville Ave.  
 Peoria, Illinois 61603  
 United States  
<http://www.cdsofficetech.com>

## Quotation

**Date**  
 May 22, 2012 11:09 AM CDT

**Doc #**  
 432215 - rev 1 of 1

**Description**  
 CITYSYNC ALPR

**SalesRep**  
 Kanikula, Jon  
 (P) 309-688-6806  
 (F) 309-685-1345

**Customer Contact**  
 KEAN, CHARLES  
 (P) 217-788-8388  
 (F) 217-788-8365  
 CHARLES.KEAN@CWLP.COM

### Customer

SPRINGFIELD POLICE DEPARTMENT (SP0602)  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Bill To

SPRINGFIELD POLICE DEPARTMENT  
 KEAN, CHUCK  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Ship To

SPRINGFIELD POLICE DEPARTMENT  
 KEAN, CHUCK  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Customer PO:

None

### Terms:

Unknown

### Ship Via:

UPS Ground

### Special Instructions:

None

### Carrier Account #:

None

| Item Description                                                                                                                                                                                                                                                       | Part #             | Qty      | Tax | Unit Price      | Total           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|-----|-----------------|-----------------|
| <b>LANE AND CAMERA DETAILS</b>                                                                                                                                                                                                                                         |                    |          |     |                 |                 |
| 1 In Car Front Mounted Camera<br>In Car Front Mounted Color ANPR camera with zoom lens -12Vdc-<br>provided with a 16' combination cable terminating in RS232 serial<br>connector for camera control, video BNC connector.                                              | NW-FMC             | 1        | No  | \$1,295.00      | \$1,295.00      |
| 2 PUBLIC SAFETY DIRECT - Roof mount                                                                                                                                                                                                                                    | RFCV               | 1        | No  | \$60.00         | \$60.00         |
| 3 Exterior Mount Color Parking Lot Camera<br>Exterior mounted Color ALPR camera that converts to IR in low/no<br>light conditions with integrated IR LED's. 12Vdc provided with a 16'<br>combination cable terminating in RS232 serial connector for camera<br>control | NW-SVC-IR          | 1        | No  | \$1,295.00      | \$1,295.00      |
| 4 Trunk/Hood mount for SVC-IR camera                                                                                                                                                                                                                                   | SVC-TK             | 1        | No  | \$180.00        | \$180.00        |
| <b>OTHER NECESSARY HARDWARE</b>                                                                                                                                                                                                                                        |                    |          |     |                 |                 |
| 5 Video Converter<br>Jet Hippo IP Interface, 4 video inputs (BNC) converted to a single IP JG-NVE-04<br>output                                                                                                                                                         |                    | 1        | No  | \$545.00        | \$545.00        |
| 6 GPS<br>Jet Global positioning system unit, signal subject to location                                                                                                                                                                                                | NW-GPS             | 1        | No  | \$120.00        | \$120.00        |
| 7 Power Regulator<br>9-18v vehicle power regulator at 4.5amps                                                                                                                                                                                                          | SD-50A-12          | 1        | No  | \$90.00         | \$90.00         |
| 8 <b>Install Kit</b>                                                                                                                                                                                                                                                   | <b>CS-INST-KIT</b> |          |     |                 |                 |
| Havis - Rugged HUB II second generation USB-HUB device                                                                                                                                                                                                                 | DS-DA-601          | 1        | No  |                 |                 |
| StarTech.com Molded Cat5e Crossover UTP Patch Cable<br>Crossover cable - RJ-45 (M) - RJ-45 (M) - 25 ft - UTP - CAT 5 -<br>molded - blue                                                                                                                                | M45CROSS25BL       | 1        | No  |                 |                 |
| Sabrent USB Active Extension cable CB-USBXT<br>USB extension cable - 4 pin USB Type A (M) - 4 pin USB Type A (F)<br>- 33 ft                                                                                                                                            | CB-USBXT           | 1        | No  |                 |                 |
| <b>Bundle Subtotal</b>                                                                                                                                                                                                                                                 |                    | <b>1</b> |     | <b>\$268.33</b> | <b>\$268.33</b> |
| <b>SOFTWARE AND MAINTENANCE</b>                                                                                                                                                                                                                                        |                    |          |     |                 |                 |
| 9 CitySync - Software Application and One Lane License (First<br>Camera)<br>Jet Mobile application for touch screen use complete with single lane<br>license                                                                                                           | JET-BAS-MOB        | 1        | No  | \$3,750.00      | \$3,750.00      |
| <b>Note: Includes First Year Software Maintenance and Support</b>                                                                                                                                                                                                      |                    |          |     |                 |                 |

|    |                                                                            |               |   |    |            |            |
|----|----------------------------------------------------------------------------|---------------|---|----|------------|------------|
| 10 | CitySync - Additional Lane License (2nd Camera)                            | JET-BAS-MOB-  | 1 | No | \$390.00   | \$390.00   |
|    | <del>Additional lane license for touch screen JetMobile application.</del> | <del>LN</del> |   |    |            |            |
|    | CitySync - JetMobile Mini Back Office System                               |               |   |    |            |            |
| 11 | Jet Mobile office management client for office use - Manages all users     | JET-BAS-REV   | 1 | No | \$1,500.00 | \$1,500.00 |

#### INSTALLATION AND TRAINING SERVICES

|    |                                               |            |   |    |          |          |
|----|-----------------------------------------------|------------|---|----|----------|----------|
| 12 | CDS OFFICE TECHNOLOGIES - IT Services         | ZBLOCKCNET | 1 | No | \$800.00 | \$800.00 |
|    | IN-VEHICLE SOFTWARE INSTALLATION AND TRAINING |            |   |    |          |          |
| 13 | IN-VEHICLE HARDWARE INSTALLATION              | 3PINSTALL  | 1 | No | \$550.00 | \$550.00 |

Subtotal: \$10,843.33

Tax (0.000%): \$0.00

Shipping: \$0.00

**Total: \$10,843.33**

CDS Office Technologies disclaims any responsibility for product information and products described on this site. Some product information may be confusing without additional explanation. All product information, including prices, features, and availability, is subject to change without notice. Applicable taxes & shipping may be added to the final order. CREDIT CARD ORDERS WILL BE CHARGED A 3% CONVENIENCE FEE FOR PROCESSING THE ORDER. All returns must be accompanied by original invoice and authorized RMA number within 30 days of invoice date. Late fees may apply to payments past 30 days from invoice date. Please contact your sales representative if you have any questions.



**CDS Office Technologies**  
 1913 North Knoxville Ave.  
 Peoria, Illinois 61603  
 United States  
 http://www.cdsofficetech.com

## Quotation

**Date**  
 May 22, 2012 10:51 AM CDT

**Doc #**  
 432214 - rev 1 of 1

**Description**  
 CITYSYNC ALPR

**SalesRep**  
 Kanikula, Jon  
 (P) 309-688-6806  
 (F) 309-685-1345

**Customer Contact**  
 KEAN, CHARLES  
 (P) 217-788-8388  
 (F) 217-788-8365  
 CHARLES.KEAN@CWLP.COM

### Customer

SPRINGFIELD POLICE DEPARTMENT (SP0602)  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Bill To

SPRINGFIELD POLICE DEPARTMENT  
 KEAN, CHUCK  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Ship To

SPRINGFIELD POLICE DEPARTMENT  
 KEAN, CHUCK  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

**Customer PO:**  
 None

**Terms:**  
 Unknown

**Ship Via:**  
 UPS Ground

**Special Instructions:**  
 None

**Carrier Account #:**  
 None

| Item Description                                                                                                                                                                                                   | Part #             | Qty      | Tax | Unit Price      | Total           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|-----|-----------------|-----------------|
| <b>LANE AND CAMERA DETAILS</b>                                                                                                                                                                                     |                    |          |     |                 |                 |
| 1 In Car Front Mounted Camera<br>In Car Front Mounted Color ANPR camera with zoom lens -12Vdc provided with a 16' combination cable terminating in RS232 serial connector for camera control, video BNC connector. | NW-FMC             | 1        | No  | \$1,295.00      | \$1,295.00      |
| 2 i-Sharp M Camera<br>Dual Infra Red Color camera combination i.e. focal length 20'-50'                                                                                                                            | I-SHARP-M          | 1        | No  | \$2,495.00      | \$2,495.00      |
| 3 PUBLIC SAFETY DIRECT - Roof mount<br>Exterior Mount Color Parking Lot Camera                                                                                                                                     | RFCV               | 2        | No  | \$60.00         | \$120.00        |
| 4 Exterior mounted Color ALPR camera that converts to IR in low/no light conditions with integrated IR LED's. 12Vdc provided with a 16' combination cable terminating in RS232 serial connector for camera control | NW-SVC-IR          | 1        | No  | \$1,295.00      | \$1,295.00      |
| 5 Trunk/Hood mount for SVC-IR camera                                                                                                                                                                               | SVC-TK             | 1        | No  | \$180.00        | \$180.00        |
| <b>OTHER NECESSARY HARDWARE</b>                                                                                                                                                                                    |                    |          |     |                 |                 |
| 6 Video Converter<br>Jet Hippo IP Interface, 4 video inputs (BNC) converted to a single IP JG-NVE-04 output                                                                                                        |                    | 1        | No  | \$545.00        | \$545.00        |
| 7 GPS<br>Jet Global positioning system unit, signal subject to location                                                                                                                                            | NW-GPS             | 1        | No  | \$120.00        | \$120.00        |
| 8 Power Regulator<br>9-18v vehicle power regulator at 4.5amps                                                                                                                                                      | SD-50A-12          | 1        | No  | \$90.00         | \$90.00         |
| 9 <b>Install Kit</b>                                                                                                                                                                                               | <b>CS-INST-KIT</b> |          |     |                 |                 |
| Havis - Rugged HUB II second generation USB-HUB device                                                                                                                                                             | DS-DA-601          | 1        | No  |                 |                 |
| StarTech.com Molded Cat5e Crossover UTP Patch Cable<br>Crossover cable - RJ-45 (M) - RJ-45 (M) - 25 ft - UTP - CAT 5 - molded - blue                                                                               | M45CROSS25BL       | 1        | No  |                 |                 |
| Sabrent USB Active Extension cable CB-USBXT<br>USB extension cable - 4 pin USB Type A (M) - 4 pin USB Type A (F) - 33 ft                                                                                           | CB-USBXT           | 1        | No  |                 |                 |
| <b>Bundle Subtotal</b>                                                                                                                                                                                             |                    | <b>1</b> |     | <b>\$268.33</b> | <b>\$268.33</b> |
| <b>SOFTWARE AND MAINTENANCE</b>                                                                                                                                                                                    |                    |          |     |                 |                 |
| 10 CitySync - Software Application and One Lane License (First Camera)<br>Jet Mobile application for touch screen use complete with single lane                                                                    | JET-BAS-MOB        | 1        | No  | \$3,750.00      | \$3,750.00      |

license  
Note: Includes First Year Software Maintenance and Support

|                                           |                                                                                                                          |                |   |    |            |            |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|---|----|------------|------------|
| 11                                        | CitySync - Additional Lane License (2nd & 3rd Camera)<br>Additional lane license for touch screen JetMobile application. | JET-BAS-MOB-LN | 2 | No | \$390.00   | \$780.00   |
| 12                                        | CitySync - JetMobile Mini Back Office System<br>Jet Mobile office management client for office use - Manages all users   | JET-BAS-REV    | 1 | No | \$1,500.00 | \$1,500.00 |
| <b>INSTALLATION AND TRAINING SERVICES</b> |                                                                                                                          |                |   |    |            |            |
| 13                                        | CDS OFFICE TECHNOLOGIES - IT Services<br>IN-VEHICLE SOFTWARE INSTALLATION AND TRAINING                                   | ZBLOCKCNET     | 1 | No | \$800.00   | \$800.00   |
| 14                                        | IN-VEHICLE HARDWARE INSTALLATION                                                                                         | 3PINSTALL      | 1 | No | \$595.00   | \$595.00   |

Subtotal: \$13,833.33

Tax (0.000%): \$0.00

Shipping: \$0.00

**Total: \$13,833.33**

CDS Office Technologies disclaims any responsibility for product information and products described on this site. Some product information may be confusing without additional explanation. All product information, including prices, features, and availability, is subject to change without notice. Applicable taxes & shipping may be added to the final order. CREDIT CARD ORDERS WILL BE CHARGED A 3% CONVENIENCE FEE FOR PROCESSING THE ORDER. All returns must be accompanied by original invoice and authorized RMA number within 30 days of invoice date. Late fees may apply to payments past 30 days from invoice date. Please contact your sales representative if you have any questions.



**CDS Office Technologies**  
 1913 North Knoxville Ave.  
 Peoria, Illinois 61603  
 United States  
<http://www.cdsofficetech.com>

## Quotation

**Date**  
 May 22, 2012 10:36 AM CDT

**Doc #**  
 432211 - rev 1 of 1

**Description**  
 CITYSYNC ALPR

**SalesRep**  
 Kanikula, Jon  
 (P) 309-688-6806  
 (F) 309-685-1345

**Customer Contact**  
 KEAN, CHARLES  
 (P) 217-788-8388  
 (F) 217-788-8365  
 CHARLES.KEAN@CWLP.COM

### Customer

SPRINGFIELD POLICE DEPARTMENT (SP0602)  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Bill To

SPRINGFIELD POLICE DEPARTMENT  
 KEAN, CHUCK  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Ship To

SPRINGFIELD POLICE DEPARTMENT  
 KEAN, CHUCK  
 800 E MONROE  
 SPRINGFIELD, Illinois 62701  
 (P) 217-788-8388

### Customer PO:

None

### Terms:

Undefined

### Ship Via:

UPS Ground

### Special Instructions:

None

### Carrier Account #:

None

| Item Description                                                                                                                                                                                                                                                       | Part #             | Qty      | Tax | Unit Price      | Total           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|-----|-----------------|-----------------|
| <b>LANE AND CAMERA DETAILS</b>                                                                                                                                                                                                                                         |                    |          |     |                 |                 |
| 1 In Car Front Mounted Camera<br>In Car Front Mounted Color ANPR camera with zoom lens -12Vdc-<br>provided with a 16' combination cable terminating in RS232 serial<br>connector for camera control, video BNC connector.                                              | NW-FMC             | 1        | No  | \$1,295.00      | \$1,295.00      |
| 2 iSharp-S Camera<br>Dual Infra Red Color camera combination i.e. focal length 8-20'.                                                                                                                                                                                  | iSharp-S           | 1        | No  | \$2,495.00      | \$2,495.00      |
| 3 i-Sharp M Camera<br>Dual Infra Red Color camera combination i.e. focal length 20'-50'                                                                                                                                                                                | I-SHARP-M          | 1        | No  | \$2,495.00      | \$2,495.00      |
| 4 PUBLIC SAFETY DIRECT - Roof mount                                                                                                                                                                                                                                    | RFCV               | 3        | No  | \$60.00         | \$180.00        |
| 5 Exterior Mount Color Parking Lot Camera<br>Exterior mounted Color ALPR camera that converts to IR in low/no<br>light conditions with integrated IR LED's. 12Vdc provided with a 16'<br>combination cable terminating in RS232 serial connector for camera<br>control | NW-SVC-IR          | 1        | No  | \$1,295.00      | \$1,295.00      |
| 6 Trunk/Hood mount for SVC-IR camera                                                                                                                                                                                                                                   | SVC-TK             | 1        | No  | \$180.00        | \$180.00        |
| <b>OTHER NECESSARY HARDWARE</b>                                                                                                                                                                                                                                        |                    |          |     |                 |                 |
| 7 Video Converter<br>Jet Hippo IP Interface, 4 video inputs (BNC) converted to a single IP JG-NVE-04<br>output                                                                                                                                                         |                    | 2        | No  | \$545.00        | \$1,090.00      |
| 8 GPS<br>Jet Global positioning system unit, signal subject to location                                                                                                                                                                                                | NW-GPS             | 1        | No  | \$120.00        | \$120.00        |
| 9 Power Regulator<br>9-18v vehicle power regulator at 4.5amps                                                                                                                                                                                                          | SD-50A-12          | 1        | No  | \$90.00         | \$90.00         |
| 10 <b>Install Kit</b>                                                                                                                                                                                                                                                  | <b>CS-INST-KIT</b> |          |     |                 |                 |
| Havis - Rugged HUB II second generation USB-HUB device                                                                                                                                                                                                                 | DS-DA-601          | 1        | No  |                 |                 |
| StarTech.com Molded Cat5e Crossover UTP Patch Cable<br>Crossover cable - RJ-45 (M) - RJ-45 (M) - 25 ft - UTP - CAT 5 -<br>molded - blue                                                                                                                                | M45CROSS25BL       | 1        | No  |                 |                 |
| Sabrent USB Active Extension cable CB-USBXT<br>USB extension cable - 4 pin USB Type A (M) - 4 pin USB Type A (F)<br>- 33 ft                                                                                                                                            | CB-USBXT           | 1        | No  |                 |                 |
| <b>Bundle Subtotal</b>                                                                                                                                                                                                                                                 |                    | <b>1</b> |     | <b>\$268.33</b> | <b>\$268.33</b> |
| <b>SOFTWARE AND MAINTENANCE</b>                                                                                                                                                                                                                                        |                    |          |     |                 |                 |
| CitySync - Software Application and One Lane License (First                                                                                                                                                                                                            |                    |          |     |                 |                 |

|    |                                                                                                                                                                  |                    |   |    |            |            |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---|----|------------|------------|
| 11 | Camera)<br>Jet Mobile application for touch screen use complete with single lane<br>license<br><b>Note:</b> Includes First Year Software Maintenance and Support | JET-BAS-MOB        | 1 | No | \$3,750.00 | \$3,750.00 |
| 12 | CitySync - Additional Lane License (2nd, 3rd & 4th Camera)<br>Additional lane license for touch screen JetMobile application.                                    | JET-BAS-MOB-<br>LN | 3 | No | \$390.00   | \$1,170.00 |
| 13 | CitySync - JetMobile Mini Back Office System<br>Jet Mobile office management client for office use - Manages all<br>users                                        | JET-BAS-REV        | 1 | No | \$1,500.00 | \$1,500.00 |

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**INSTALLATION AND TRAINING SERVICES**

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|    |                                                                                        |            |   |    |          |          |
|----|----------------------------------------------------------------------------------------|------------|---|----|----------|----------|
| 14 | CDS OFFICE TECHNOLOGIES - IT Services<br>IN-VEHICLE SOFTWARE INSTALLATION AND TRAINING | ZBLOCKCNET | 1 | No | \$800.00 | \$800.00 |
| 15 | IN-VEHICLE HARDWARE INSTALLATION                                                       | 3PINSTALL  | 1 | No | \$595.00 | \$595.00 |

Subtotal: \$17,323.33

Tax (0.000%): \$0.00

Shipping: \$0.00

**Total: \$17,323.33**

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## JetMobile™ - Mobile Law Enforcement LPR Software



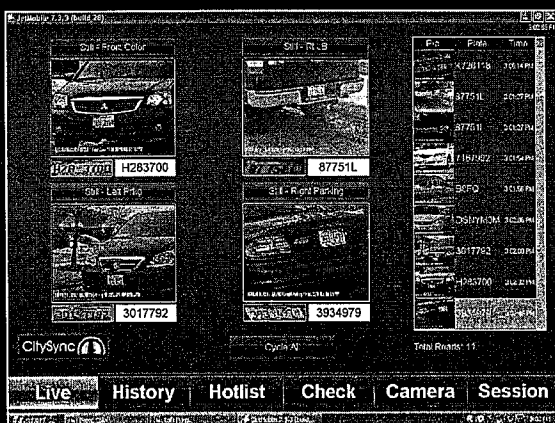
**JetMobile** is a simple to use ALPR system that can be installed on your existing laptop or in-car processor. It can often operate with an existing DVR system providing significant cost savings. Police users can select from a range of cameras to meet challenging ALPR requirements.

Key to its success is the officer-friendly user interface which contains large clearly identified buttons allowing a user to easily interact with the system during vehicle operation.

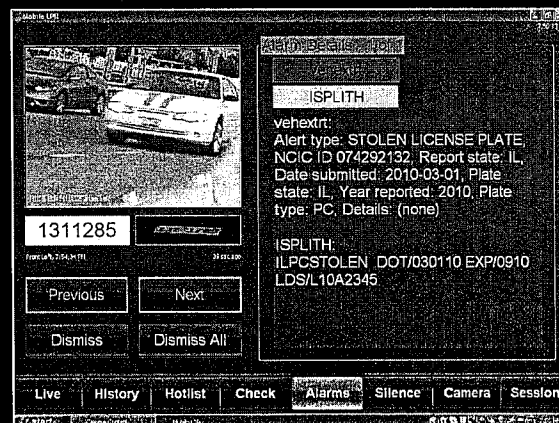


JetMobile can capture license plates from vehicles with up to 150 mph speed differential and Four ALPR cameras can be connected to a single CF-30 laptop or equivalent. Up to *eight* cameras can be connected using the powerful 'Jet Boxer' in-car ALPR processor.

Features: Manual in-car input of wanted vehicles, Records the plate read, date-time, camera and GPS coordinates of each vehicle, Event data is watermarked onto the images, Instant searching of data with full or partial plate.



Multi-Camera Reads as Officer Patrols

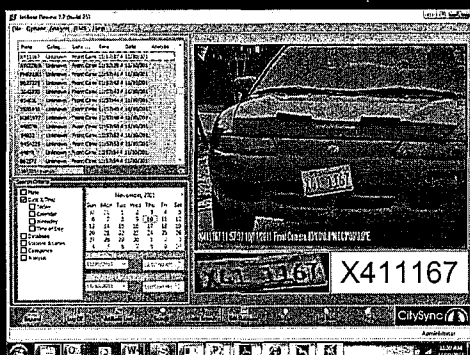


Visual and Audible instant Alerts

### There are many uses for JetMobile including ...

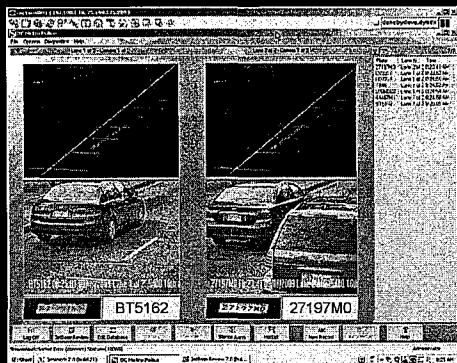
- Scofflaw/Revenue collection
- Officer Safety
- Village vehicle sticker enforcement
- Traffic Management
- Recovery of Stolen Vehicles
- Intelligence gathering
- Local/State/Federal hotlist apprehension
- Anti-terrorism
- Speed Enforcement
- Journey Time Monitoring

## JetReview™ - Mini-Back Office System

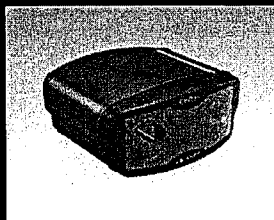


JetReview can be tied in with JetMobile to allow for fast easy searching based on full plate, partial plates, time & date ranges or provide how often a vehicle of interest has been seen in a certain time frame. JetReview will display log entries with any associated captured images. It also has the ability to analyze data in the form of graphs and charts.

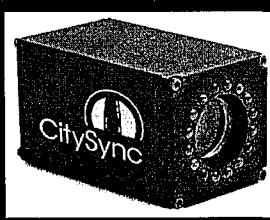
## JetBase™ - Fixed Law Enforcement LPR Software



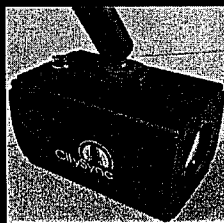
**JetBase** is a simple to use ALPR system that can be installed on fixed locations, including street lights, traffic lights or anywhere near a road. A variety of camera options are available including our HD cameras that can cover two lanes simultaneously, or our intelligent Fox-i camera that does all processing internally and transmits results via Wi-Fi or 3G/EVDO/cellular. JetBase can be used in conjunction with Jet-Review or JetMobile. Uses include intelligence gathering, pattern analysis and journey time management.



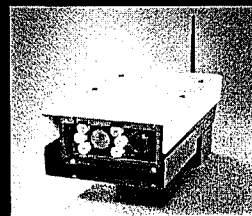
JellyBean Dual Lens



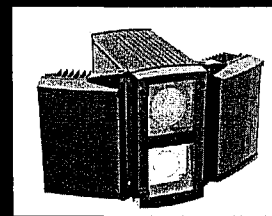
SVC-IR Parking



FMC Color Mobile



FOXi Wireless



Dual Lane Fixed HD

CitySync, Ltd. Is a full service technology company that designs, manufactures and supports advanced ALPR systems for federal, state and local governments, as well as the private sector. We offer a complete line of LPR equipment to fit your needs

CDS Office Technologies  
Michael Ketchum  
Systems Specialist  
780 Belden Ave.  
Addison, IL 60101  
Office - 630-305-9034 x1210  
Mobile - 630-417-2572



ALPR YOU CAN TRUST

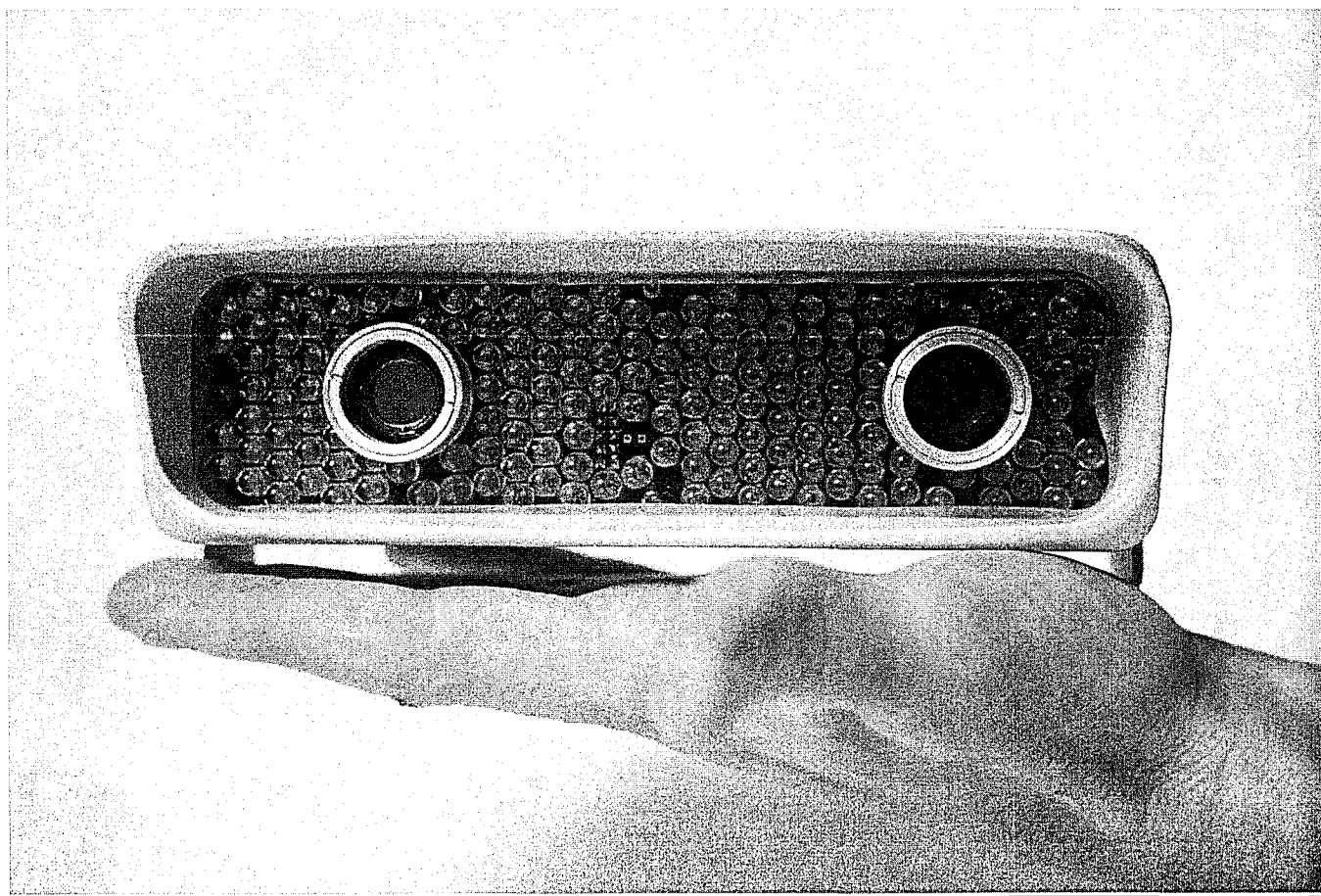
[www.citysynctech.com](http://www.citysynctech.com)

CDS Office Technologies  
Jon Kanikula  
Solutions Architect  
1913 N. Knoxville Ave.  
Peoria, IL 61603  
Office - 309-688-6806  
Mobile - 309-208-0186

2/4/2012

DIGITAL  
RECOGNITION

DUAL IR CAMERA COMPARISON



iSharp v.s. Current | Mike O'Brien 708-691-2299

## NEW Dual IR Camera V.S. Your Current Model

There are many issues, or possible concerns with your current IR camera.

Current possible concerns might be:

- Closing speed, currently you are highly limited
- Accuracy/Capture rate
- Image quality
- State reflective properties
- Moisture
- Water
- Stripped/loose locking screws. Hard to access
- Size
- Weight 3.5lbs (with mount and magnet)
- Mounting base, small block-single mounting screw
- LED's
- Replacement cable cost, very expensive
- IP Rating 66
- Not much horizontal adjustment allowed

Potential replacement camera:

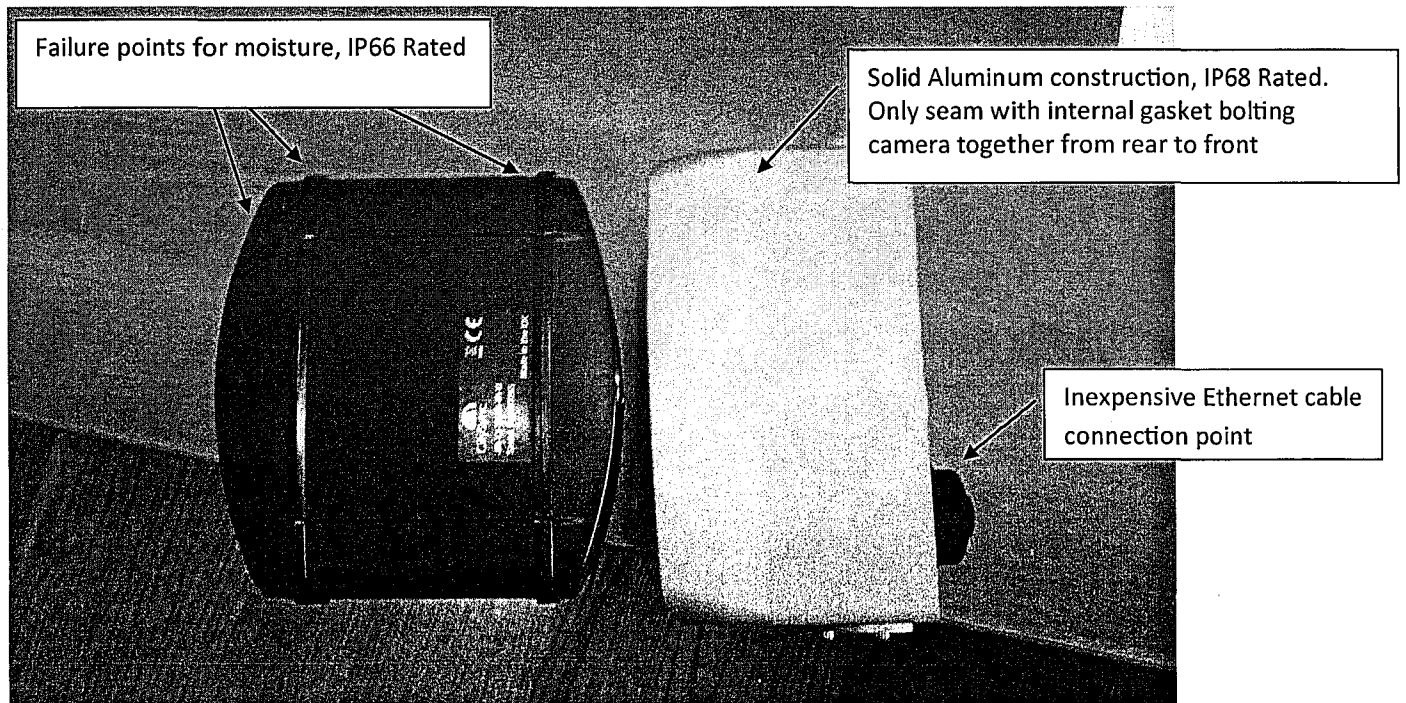
- TESTED closing speed in excess of 140+ mph using current software and encoder.
- Accuracy and Capture rate have both dramatically increased
- Overall internal confidence factor has risen by 9.96%
- Image quality, during ALL speeds is exceptional!
- Optimization software settings available for various locations. Set it and forget it!
- Sequential Shutter options
- Photocell in LED array optimizing day/night conditions
- No water/moisture guarantee from normal use. Built in solid, one piece aluminum extrusion.
- Long, easily accessible locking screws
- Smaller low profile
- Weight 2.5lbs (with mount and magnet)
- Mounting base, width of camera to include multiple mounting holes. Solid mounting bar which would allow for cantilevering off of car-such as a Charger.
- LED's, very bright and proportionate to selected shutter speed
- Low cost replacement cable, Ethernet-that's it
- IP Rating 68
- Fully adjustable vertically/horizontally

## Size IS Everything



Approximate measurements: Current Model  
(Measurements incl. bracket and magnet) Alternate

4-3/8"H. x 5-3/4"W. x 5-1/4"D.  
3-3/8"H. x 6-5/8"W. x 3-3/4"D.



## Head to Head Results

To come up with a comparable head to head competition, I installed your current camera on the trunk of a Crown Vic, as typical, while the iSharp camera was installed on the roof of the car.

Both cameras were pointed at the same location set up as two different Lanes ran through the encoder. "Allow Inter-Lane duplicates was checked"

The captured images were nearly identical in Pixel size.

1360 images were captured in IL and reviewed for this test, Day/Night/Overcast/Sun/Bright Sun/Speed tests. The total amount of images is the cumulative result from BOTH cameras.

| <u>iSharp Camera</u> |                                                            | <u>Current Camera</u> |
|----------------------|------------------------------------------------------------|-----------------------|
| 474                  | Both cameras found, captured and read correctly            | 474                   |
| 34                   | Both cameras found, captured and read incorrectly*         | 34                    |
| 226                  | Either camera found, captured and read correctly           | 50                    |
| <u>46</u>            | <u>Either camera found, captured and read incorrectly*</u> | <u>22</u>             |
| 780                  | Total net reads from either camera                         | 580                   |

***1360 total images from both cameras***

### Accuracy Rate-

|                |                                                    |
|----------------|----------------------------------------------------|
| Current Camera | $474+474+50=998$ correct reads out of 1360=.74%    |
| iSharp         | $474+474+226=1,174$ correct reads out of 1360=.87% |

***A 13% increase in Accuracy!***

### Capture Rate-

|                |                                           |
|----------------|-------------------------------------------|
| Current Camera | $474+34+50+22=585$ reads out of 886=.66%  |
| iSharp         | $474+34+226+46=780$ reads out of 886=.88% |

***A 22% increase in Capture rate!***

An incredible improvement by simply plugging in a new camera.

\*Denotes that the plate was read wrong, likely by only a single character.

## Florida Capture



JetBase Review 7.8 (build 3)

File Options Analysis Help

| Plate   | Lane Name | Time       | D...                | Co... | Conf... |
|---------|-----------|------------|---------------------|-------|---------|
| M180081 |           | 3:09:23 PM | 2/2/21 USA - III 91 |       | 30      |
| 2104356 |           | 3:09:27 PM | 2/2/21 USA - III 82 |       | 37      |
| J3DQXG  |           | 3:09:48 PM | 2/2/21 Unknown 93   |       | 44      |
| 1596250 |           | 3:09:57 PM | 2/2/21 USA - III 91 |       | 23      |
| 0TRE2   |           | 3:12:10 PM | 2/2/21 Unknown 75   |       | 32      |
| X873892 |           | 3:12:27 PM | 2/2/21 USA - III 83 |       | 31      |
| N448103 |           | 3:12:30 PM | 2/2/21 USA - III 91 |       | 25      |
| PMJ451  |           | 3:12:32 PM | 2/2/21 Unknown 71   |       | 47      |
| A447818 |           | 3:12:35 PM | 2/2/21 USA - III 71 |       | 22      |
| 229221  |           | 3:12:36 PM | 2/2/21 USA - III 92 |       | 45      |
| NK3764  |           | 3:12:36 PM | 2/2/21 USA - III 80 |       | 27      |
| J332944 |           | 3:12:37 PM | 2/2/21 USA - III 91 |       | 26      |
| TOR50   |           | 3:12:45 PM | 2/2/21 Unknown 78   |       | 36      |
| 1406245 |           | 3:12:56 PM | 2/2/21 USA - III 59 |       | 15      |
| 8615336 |           | 3:13:27 PM | 2/2/21 USA - III 91 |       | 30      |
| G725397 |           | 3:13:29 PM | 2/2/21 USA - III 91 |       | 37      |
| 9186470 |           | 3:13:30 PM | 2/2/21 USA - III 91 |       | 31      |
| 6268959 |           | 3:13:31 PM | 2/2/21 USA - III 91 |       | 42      |
| X879498 |           | 3:13:32 PM | 2/2/21 USA - III 91 |       | 34      |

13557/13557 records

Search Criteria

☒ Plate  
 - Not Set  
☒ Date & Time  
☐ Today  
☐ Calendar  
☐ Weekday  
☐ Time of Day  
☐ Database  
☐ Lanes  
☐ Categories  
☐ Analysis

Standard

Log Off JetBase Live Search Auto Search Edit Database Go Live Log Note Print Help

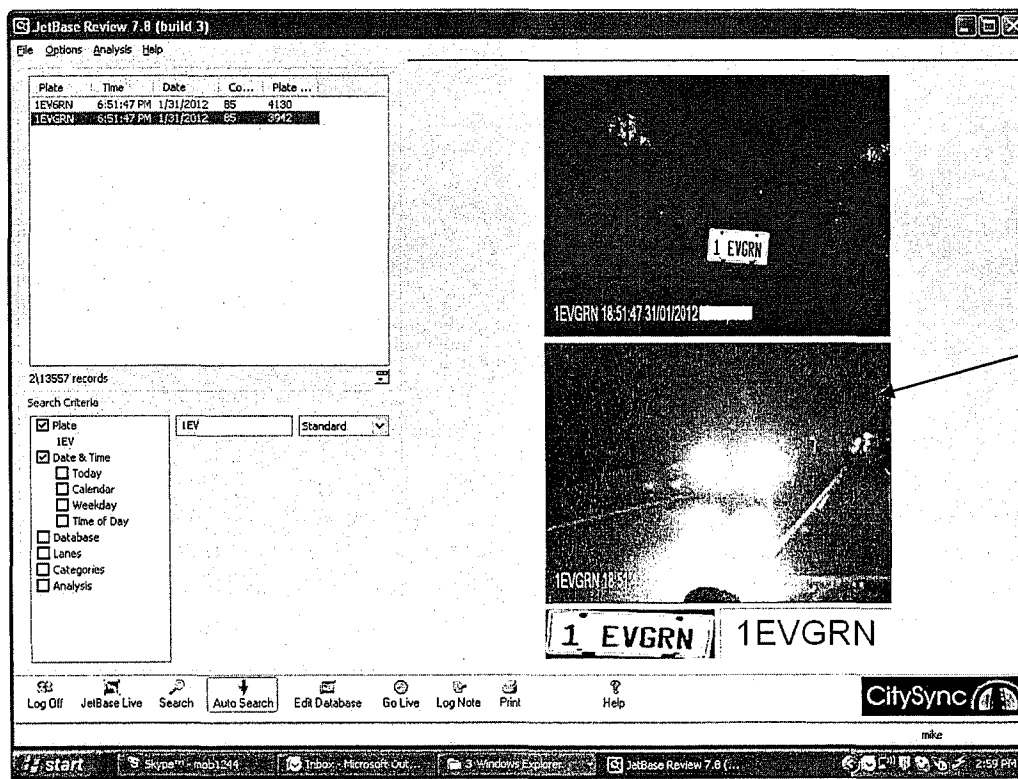
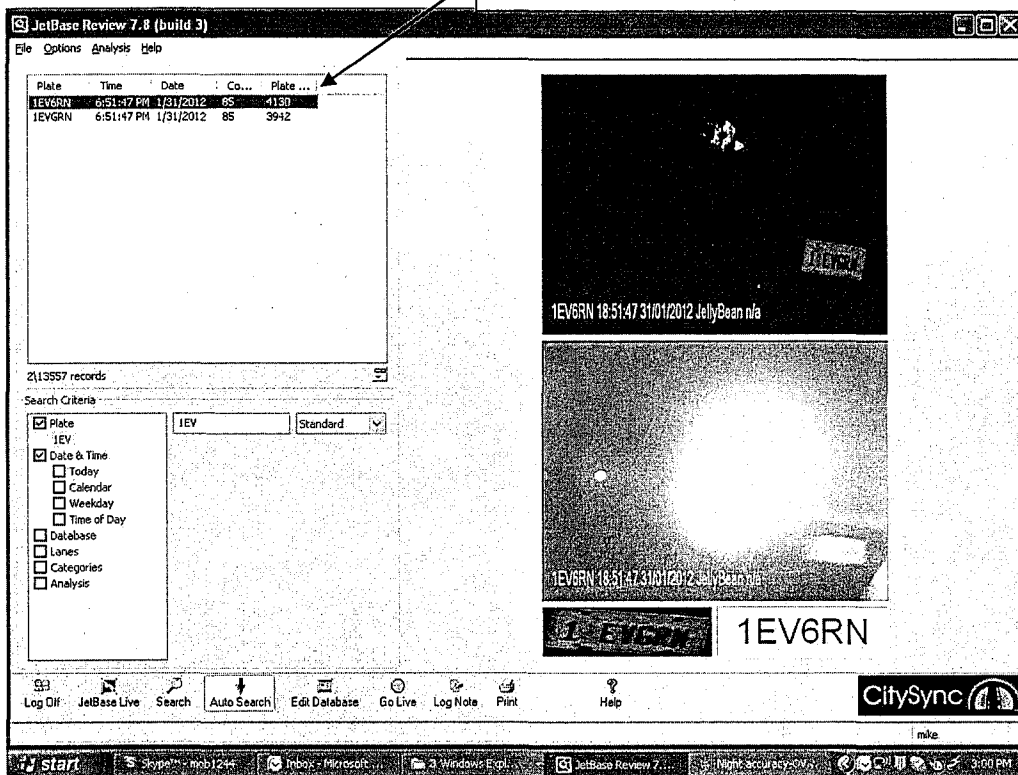
CitySync

start Skype: mob1254 Inbox - Microsoft Outlook 3 Windows Explorer JetBase Review 7.8 (build 3) 2:54 PM

- This image was grabbed in a test with my car travelling at 60mph and my son's truck at 55mph resulting in a 115mph closing speed.
- I did not keep testing for a higher speed. The test was to simply have the ability to grab it.
- The engine was not set to FLA which could explain why it was read wrong.

## Image Quality Comparison Night

Notice near identical pixel sizes for test results



We are working on improving the OV more. The OV will not be this wide, however not as narrow as current camera.

## Image Quality Comparison Daytime

JetBase Review 7.8 (build 3)

File Options Analysis Help

| Plate   | Time       | Date (...) | Co... | Plate ... |
|---------|------------|------------|-------|-----------|
| 2740984 | 2:02:03 PM | 1/31/2012  | 97    | 2810      |
| 2740984 | 2:02:03 PM | 1/31/2012  | 91    | 3480      |
| 9710516 | 2:02:06 PM | 1/31/2012  | 99    | 6950      |
| 9710516 | 2:02:06 PM | 1/31/2012  | 99    | 6548      |
| A560147 | 2:02:07 PM | 1/31/2012  | 77    | 4860      |
| 9748    | 2:02:07 PM | 1/31/2012  | 65    | 4129      |
| H134768 | 2:02:08 PM | 1/31/2012  | 91    | 3980      |
| H134768 | 2:02:08 PM | 1/31/2012  | 99    | 2870      |
| G861352 | 2:02:08 PM | 1/31/2012  | 99    | 3824      |
| G861352 | 2:02:08 PM | 1/31/2012  | 99    | 3733      |
| 814475  | 2:02:23 PM | 1/31/2012  | 75    | 3201      |
| 814475  | 2:02:23 PM | 1/31/2012  | 91    | 4471      |
| 628720  | 2:02:24 PM | 1/31/2012  | 63    | 3996      |
| GZW720  | 2:02:24 PM | 1/31/2012  | 93    | 2788      |
| LDUH88  | 2:02:34 PM | 1/31/2012  | 81    | 2491      |
| 70149N  | 2:02:37 PM | 1/31/2012  | 86    | 3644      |
| N705652 | 2:02:38 PM | 1/31/2012  | 79    | 3392      |
| N705652 | 2:02:38 PM | 1/31/2012  | 91    | 2477      |
| 1767002 | 2:02:40 PM | 1/31/2012  | 68    | 2848      |

13557/13557 records

Search Criteria

☐ Plate  
☐ Date & Time  
☐ Database  
☐ Lanes  
☐ Categories  
☐ Analysis

Standard

N705652 14:02:38 31/01/2012 JellyBean n/a

N70 5652 N705652

CitySync

Log Off JetBase Live Search Auto Search Edit Database Go Live Log Note Print Help

Image quality always suffered at higher rates of speed. Net result, decline in capture rate, accuracy and tough at times to decipher.

JetBase Review 7.8 (build 3)

File Options Analysis Help

| Plate   | Time       | Date (...) | Co... | Plate ... |
|---------|------------|------------|-------|-----------|
| 2740984 | 2:02:03 PM | 1/31/2012  | 97    | 2810      |
| 2740984 | 2:02:03 PM | 1/31/2012  | 91    | 3480      |
| 9710516 | 2:02:06 PM | 1/31/2012  | 99    | 6950      |
| 9710516 | 2:02:06 PM | 1/31/2012  | 99    | 6548      |
| A560147 | 2:02:07 PM | 1/31/2012  | 77    | 4860      |
| 9748    | 2:02:07 PM | 1/31/2012  | 65    | 4129      |
| H134768 | 2:02:08 PM | 1/31/2012  | 91    | 3980      |
| H134768 | 2:02:08 PM | 1/31/2012  | 99    | 2870      |
| G861352 | 2:02:08 PM | 1/31/2012  | 99    | 3824      |
| G861352 | 2:02:08 PM | 1/31/2012  | 99    | 3733      |
| 814475  | 2:02:23 PM | 1/31/2012  | 75    | 3201      |
| 814475  | 2:02:23 PM | 1/31/2012  | 91    | 4471      |
| 628720  | 2:02:24 PM | 1/31/2012  | 63    | 3996      |
| GZW720  | 2:02:24 PM | 1/31/2012  | 93    | 2788      |
| LDUH88  | 2:02:34 PM | 1/31/2012  | 81    | 2491      |
| 70149N  | 2:02:37 PM | 1/31/2012  | 86    | 3644      |
| N705652 | 2:02:38 PM | 1/31/2012  | 79    | 3392      |
| N705652 | 2:02:38 PM | 1/31/2012  | 91    | 2477      |
| 1767002 | 2:02:40 PM | 1/31/2012  | 68    | 2848      |

13557/13557 records

Search Criteria

☐ Plate  
☐ Date & Time  
☐ Database  
☐ Lanes  
☐ Categories  
☐ Analysis

Standard

N705652 14:02:38 31/01/2012 n/a

N70 5652 N705652

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Perfect plate patch images at any speed. Can help officer interpretation or BOF query.