

# Requisition

Req # 00166738

PO #

Date: 12/03/09

Bill To: x  
x

Vendor: 308714  
KUSTOM SIGNALS, INC.  
P O BOX 411882  
KANSAS CITY MO 64141-1882  
FAX (913)492-1703

Ship To: CONSTABLE PCT 3  
730 BREYFOGLE  
STE. B  
MISSION TX 78572

Contact: RCAVAZOS  
956-205-7031

Contract No: EF04-09

Special Instructions:

QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		HGAC CONTRACT EF04-09 REQUESTING A PO FOR RADARS. VEHICLES HAVE NOT BEEN ASSIGNED YET. DO NOT DUPLICATE ORDER		
2.00		RAPTOR RP-1, SINGLE K-BAND ANTENNA, DIRECTIONAL MODE	949.03	1,898.06
2.00	EACH	UPGRADE TO RAPTOR RP-1 DUAL K-BAND ANTENNA, DIRECTIONAL MODE	248.68	497.36
2.00	EACH	SHIPPING AND HANDLING COSTS	29.00	58.00
		Account No _____	Encumbrance	
		9-1100-421-00-293-001-0-748	2,453.42	
			Freight	.00
			Total	2,453.42
		REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233  # 50820 # 50821		
		<i>Confirmed Mr. Alvarez. 748 B</i>		

Authorized By: \_\_\_\_\_



**KUSTOM SIGNALS, INC.**  
 A SUBSIDIARY OF PUBLIC SAFETY EQUIPMENT, INC  
 9325 Pflumma, Lenexa KS 66216-3347  
 913-492-1400 Fax 913-492-1703  
 sales@kustomsignals.com www.kustomsignals.com

# Quotation

Date 11/18/2009

To... **LARRY GALLARDO**  
**HIDALGO COUNTY CONSTABLE PCT 3**  
  
**730 N BREYFOGLE**  
**MISSION TX 78572**

Quote # 4499584565927  
 Terms Net 30  
 This Quote Expires on 02/16/2010  
 Phone 956-581-6800  
 Fax

<u>Qty</u>	<u>Product Description</u>	<u>UnitPrice</u>	<u>SubTotal</u>
	HGAC CONTRACT EF04-09		
2	RAPTOR RP-1, SINGLE K-BAND ANTENNA, DIRECTIONAL MODE	\$949.03	\$1,898.06
2	UPGRADE TO RAPTOR RP-1, DUAL K-BAND ANTENNA, DIRECTIONAL MODE	\$248.68	\$497.36
2	SHIPPING & HANDLING COSTS	\$29.00	\$58.00
<b>**OPTION--NOT INCLUDED IN PRICE**</b>			
	UPGRADE TO RAPTOR RP-1, DUAL K-BAND ANTENNA, DIRECTIONAL AND SAME LANE MODE	\$436.45	\$0.00
<b>BUDGET</b>			
<b>Total</b>			<b>\$2,453.42</b>

Signature *Jenny Cougheauer*

\* Applicable Sales Tax Not Included. Seller may charge Buyer a 25% restocking fee.  
 \*\*\* Order subject to agreement between Kustom Signals and customer on configuration and terms \*\*\*  
 \*\*\* Payment Terms: Net 30 from date of Invoice \*\*\*



Toll Free 800-4KUSTOM (800-458-7866)

**KUSTOM SIGNALS, INC.**  
**TERMS AND CONDITIONS**

1. **APPLICABILITY.** Unless otherwise specified in a written bid, quote or contract, the following terms and conditions shall apply.

2. **PRICES AND TAXES.** Prices will be Kustom Signals, Inc.'s ("Seller") prices in effect on the date a purchase order is accepted by Seller, and Seller may change its prices at any time, in its sole discretion. All prices will be F.O.B. Chanute, Kansas, and net of any duties, sales, use or similar taxes, fees or assessments, and do not include shipping, packaging or any insurance costs, all of which are Buyer's responsibility.

3. **PAYMENT.** Unless otherwise provided on the face of the invoice, payment is due net 30 days of invoice in US dollars. Partial payments are not permitted unless authorized in writing. Partial payments will be treated as non-payment. Each invoice is independent from shipping sequence and disputes relating to other invoices. Failure to pay an invoice within 30 days will be considered a default.

4. **DELIVERY AND PERFORMANCE.** Delivery dates are approximate. Seller disclaims all liability for late or partial delivery. Seller may deliver in such lots and at such times as is convenient for Seller.

5. **LOSS IN TRANSIT.** Risk of loss will pass to Buyer upon delivery of the goods to the carrier. In case of breakage or loss in transit, Buyer will have notation of same made on expense bill before paying freight. Seller may reject claims for shortages not made within 15 days of Buyer's receipt of the goods.

6. **TERMINATION, RESTOCKING CHARGES.** Buyer may terminate this purchase order for its convenience, in whole or in part, by written, faxed or telegraphic notice at any time. If Buyer terminates this purchase order for convenience, Buyer will be liable to Seller for Seller's reasonable costs incurred in the performance of this purchase order that Seller cannot mitigate. Unless otherwise agreed upon in advance in writing by Seller, Seller may charge Buyer a 25% restocking fee, if: (a) the Buyer returns any non-defective goods covered by this purchase order; or (b) prior to shipment, but after the goods are produced by Seller, Buyer cancels the order for the subject goods.

7. **WARRANTY.** Seller's warranty is provided separately.

8. **LIMITATION OF LIABILITY.** SELLER IS NOT LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES, OR ANY LOST PROFITS OR LOST SAVINGS, EVEN IF A SELLER REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSS, DAMAGES, CLAIMS OR COSTS, NOR IS SELLER LIABLE FOR ANY CLAIM BY ANY THIRD PARTY. SELLER'S AGGREGATE LIABILITY UNDER OR IN

CONNECTION WITH THIS PURCHASE ORDER IS LIMITED TO THE AMOUNT PAID FOR THE GOODS.

9. **INDEMNIFICATION.** Buyer will indemnify, defend and hold Seller harmless from all losses, damages, liabilities and costs, including attorneys' fees, incurred or sustained by Seller as a result of any third party claim made against Seller, including a claim by a customer of Buyer, arising from its negligent, reckless, willful, or intentional actions in marketing and reselling the goods.

10. **EXPORT RULES.** Buyer will not ship, transfer or export the goods into any country or use the goods in any manner prohibited by the United States Export Administration Act or any other export laws, restrictions or regulations (collectively the "Export Laws"). In addition, if the goods are identified as export controlled items under the Export Laws, Buyer represents and warrants that Buyer is not a citizen, or otherwise located within, an embargoed nation (including, without limitation Iran, Iraq, Syria, Sudan, Libya, Cuba, and North Korea) and that Buyer is not otherwise prohibited under the Export Laws from receiving the goods.

11. **MISCELLANEOUS.** This purchase order, together with any other written agreement between Buyer and Seller, if any: (i) is the exclusive statement of the parties with respect to the subject matter and supersedes any prior or contemporaneous communications; (ii) may not be amended except in writing executed by the parties; and (iii) will be interpreted and enforced in accordance with the laws of the State of Kansas, without giving effect to principles of conflicts of law. This purchase order is: (1) solely for the benefit of the parties, and no provision of this purchase order will be deemed to confer upon any other person any remedy, claim, liability, reimbursement, cause of action or other right. Each party consents to the exclusive personal jurisdiction of the state and federal courts located in the State of Kansas for purposes of any suit, action or other proceeding arising out of this Agreement, waives any argument that venue in any such forum is not convenient and agrees that the venue of any litigation initiated by either of them in connection with this Agreement will be in either the District Court of Johnson County, Kansas, or the United States District Court, District of Kansas. If any provision of this purchase order is unenforceable, the remaining provisions will remain in effect. No waiver (whether by course of dealing or otherwise) is effective unless it is made in writing and signed by the party to be charged with such waiver. Unless otherwise specified in writing, notices must be given in writing by registered or certified mail, return receipt requested, addressed to:

Kustom Signals, Inc.  
Attn: Sales Dept.  
9325 Plumm  
Lenexa, KS 66215

# Display Mounting Options

**Default**



Antenna suction cup w/ 1 ball



Antenna suction cup w/ 2 ball



Antenna windshield permanent mount



Separated display suction mount

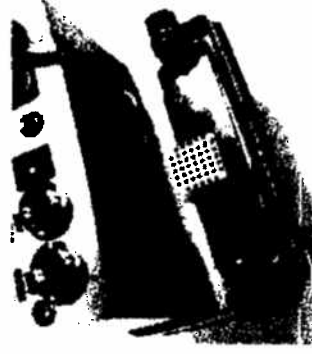
**Default**



Antenna rear deck



Antenna stick-on permanent mount



Display bail mount



Separated display permanent stick-on mount



**KUSTOM SIGNALS, INC.**  
A PUBLIC SAFETY EQUIPMENT COMPANY

# Raptor RP-1 Specifications

**DuraTrak™** (patent pending) technology utilizes a target tracking graphical display to indicate the tracking history of a particular signal. DuraTrak measures multiple targets and displays the signal graphic for the strongest and fastest target signals. DuraTrak provides the officer with a new level of confidence for target identification and complete tracking history.

**Smart Patrol Search** (patented)  
The Raptor RP-1 can be operated with or without speedometer input. If the speedometer input is not connected, the unit will use its patented

Smart Patrol Search (SPS) software to reduce patrol shadowing and patrol combining when coming out of Hold mode.

**TruTrak™** (patented)  
The Raptor RP-1 has the ability to interface with your patrol vehicles speed sensor (VSS). The speed sensors input pulses steer the DSP in the search for the Doppler patrol signal. This patented technique, (TruTrak™) virtually eliminates problems of patrol shadowing and patrol combining.

## General Specifications

Type	Two-piece, Directional Moving/ Stationary, Doppler radar system
Compliance	Meets IACP/NHTSA and FCC specifications
Power Requirements	10.0 - 16.5 VDC (Currents typical at 13.6VDC) transmit w/ target, back light on: 240 ma transmit no target, back light off: 160 ma Standby (HOLD): 100 ma
Environmental	-22°F (-30°C) to 140°F(+60°C); 90% relative humidity at 98°F (+37°C), noncondensing
Display	Graphical type LCD with full alpha- numeric messages. Manual or Automatic backlight adjustment.
Target Speed Limits	Typical: 6 to 208 mph
Accuracy	Stationary ±1 mph Moving +1/-2 mph

## Antenna Specifications

Frequency	24.125±.1 GHz (K-Band)
Power Density	< 1mW/cm <sup>2</sup> at antenna face
Antenna Type	Planar Array
Polarization	Linear
Horizontal Beamwidth	12°
Receiver Type	Dual Channel Low-Noise with fully shielded pre-amplifiers

## Modes of Operation

- Stationary Operation
- Direction Sensing/Selection
  - Fastest Vehicle Mode
- Moving Opposite Operation
- Fastest Vehicle Mode
  - TruTrak with automatic moving/stationary mode selection
  - SMART Patrol Search Feature

## Optional Operations

- Moving Same-Direction Operation
- Automatic faster/slower target detection
  - Fastest Vehicle Mode
- IR Remote Control



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9325 Pflumm • Lenexa, KS 66215-3347  
Tel: 913-492-1400 • 800-4KUSTOM  
Fax: 913-492-1703 • www.kustomsignals.com

KSRAP0608

# RAPTOR RP-1

**Smallest Moving Doppler Radar on the Market!**

## Benefits

- Smaller Form Factor
- Lower Power Consumption
- Complete Enforcement Control from Display
- Waterproof Display and Antenna

## Features

- Graphical Display (LCD) with Full Text Messages
- In-Car Video Integration
- Digital Signal Processing (DSP)
- Fastest Target Mode
- Single or Dual K-band Antennas

## Patented Features

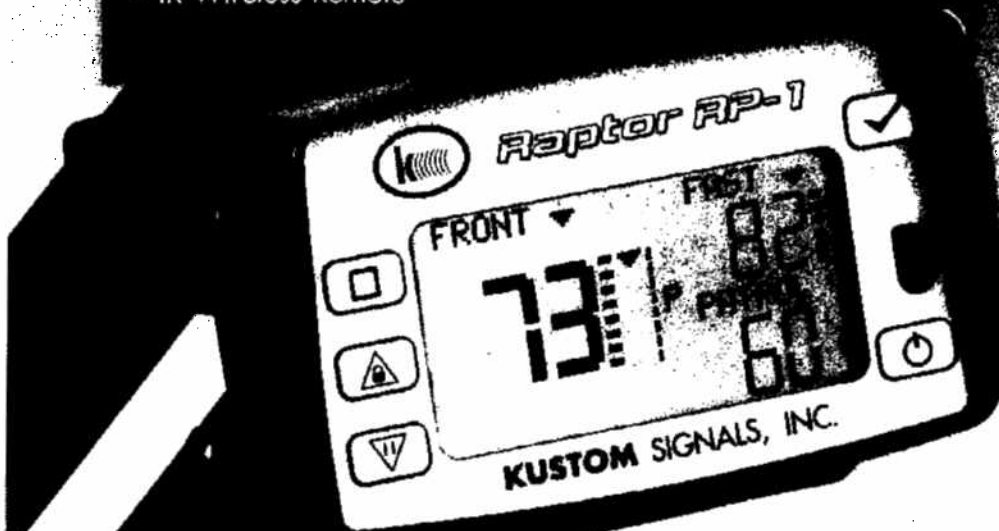
- TruTrak™ with Automatic Mode Switching
- Smart Patrol Search
- DuraTrak™ Target Duration Tracking Graphic

## Options

- Same Direction Moving Mode
- IR Wireless Remote



2.6" x 4.1" x 1.5"

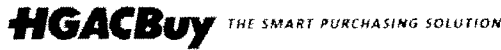


Raptor RP-1 Radar  
with DuraTrak™ Technology  
(Patent Pending)

Display Shown to Size at  
2.6" x 4.1" x 1.5"



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A PUBLIC SAFETY EQUIPMENT COMPANY



- GENERAL PURPOSE  
& EMERGENCY  
VEHICLES
- COMMUNICATIONS  
EQUIPMENT &  
SERVICES
- GROUNDS  
FACILITIES & PARKS  
EQUIPMENT
- PUBLIC  
WORKS  
EQUIPMENT
- EMERGENCY  
EQUIPMENT  
& SUPPLIES
- CONSULTING  
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SERVICES
- FLEET FUEL  
& FUEL CARD  
SERVICES
- COOPERATIVE  
ENERGY  
PURCHASING

You are here: Home > Law Enforcement Equipment

## EMERGENCY EQUIPMENT & SUPPLIES

### LAW ENFORCEMENT EQUIPMENT

Contract No.: EPO4-09

Effective Date: Apr 1, 2009 to Mar 31, 2011

Note: The four categories are:

- (A) Speed Detection Instruments/Systems
- (B) In-Vehicle Video Recording Systems
- (C) Automated License Plate Recognition Systems
- (D) Portable Breath Alcohol Testers

The table below shows base bid items only. Other configurations, options and accessories are available. Please contact the indicated contractor to discuss your needs and obtain a written HGACBuy Contract Pricing Worksheet.

- Applied Concepts
- Coban Technologies
- Digital Ally, Inc.
- Digital Safety Technologies, Inc.
- Federal Signal Corporation
- ICOP Digital, Inc.
- International Police Technologies, Inc.
- Kustom Signals, Inc.
- Ley Communications Mobile-Vision, Inc.
- Laser Technology, Inc.
- Lifeloc Technologies, Inc.
- Monitor Systems
- MPH Industries
- Nestor Traffic Systems, Inc.
- Watchguard Video

### Applied Concepts

#### A. Speed Detection Instruments/Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (s)
AA01	Stalker Basic - stationary application. General Description: hand-held doppler radar, cordless design. Operating frequency: Ka-band. Backlit LCD display. Trigger activated transmission. Doppler audio. Power: internal battery. Weight: 1 lb. 10 oz. with battery. Components: complete unit, ready for use, programmed with necessary software, battery, battery charger, cigarette lighter power plug adapter, power cord, carrying case. Target Speed Range: 5 to 200 mph. Accuracy: +/- 1 mph.	\$795.00
AA02	Stalker II SDR - General Description: hand-held stationary doppler radar, cordless design. Operating frequency: Ka-band. Backlit LCD display. Trigger activated transmission. Doppler audio. Battery: rechargeable, removable Li-Ion. Weight: 2.15 pounds with battery handle. Components: complete unit, ready for use, programmed with necessary software, battery handle, battery charger, cigarette lighter power plug adapter, power cord, carrying case. Target Speed Range: 5 to 200 mph. Accuracy: +/- 1 mph.	\$1,495.00
AA03	Stalker II MDR - General Description: hand-held moving/stationary doppler radar, cordless design. Moving applications. Opposite or same direction tracking. Operating frequency: Ka-band. Backlit LCD display. Trigger activated transmission. Doppler audio. Battery: rechargeable, removable Li-Ion. Weight: 2.15 pounds with battery handle. Components: complete unit, ready for use, programmed with necessary software, battery handle, battery charger, cigarette lighter power plug adapter, power cord, carrying case. Target Speed Range: Selectable with SCD key: 5 in: patrol window for acquisition of 5 to 90 mph; 20 in: patrol window for acquisition of 20 to 90 mph. Patrol speed, locked, trackable to 199 mph. Target, moving, opposite lane: 20 to 195 mph @ 5 mph patrol speed, 35 to 130 mph @ 70 mph patrol speed. Target, moving, same lane: +/- 70% of patrol speed within 5 mph of patrol speed. Accuracy: +/- 1 mph.	\$2,395.00
AA04	Stalker Lidar - General Description: hand-held, cordless design. Stationary applications. Backlit LCD display. Heads-up targeting display. Battery: rechargeable, removable NiMH. Doppler audio. Trigger activated or continuous transmission. In-cab weather mode. Simultaneous speed and range. RS232 port for camera and computer interface. Weight: 3.8 pounds with battery handle. Components: complete unit, ready for use, programmed with necessary software, sighting scope, battery handle, battery charger, cigarette lighter power plug adapter, carrying case and power cord. Target Range, feet (min/max): 5/4000. Target Speed Range: 1 to 299 mph. Accuracy: +/- 1 mph, +/- 1 foot.	\$2,850.00
AA05	Stalker Dual SL - General Description: vehicle-mounted design. Stationary or moving applications. Operating frequency: Ka band. Dual antenna. Backlit LED display. Opposite or same direction tracking. Audio verification of antenna and direction. Backlit, cordless remote. Doppler audio. RS232 port for camera and computer interface. Components: complete unit, ready for use, with dual antenna, programmed with necessary software, detachable display unit, cordless remote. Speed Range: Target, stationary: 12 to 200 mph. Target, moving, opposite lane: 20 to 195 mph @ 5 mph patrol speed, 35 to 130 mph @ 70 mph patrol speed. Patrol speed: 5 to 90 mph. Accuracy: Stationary +/- 1 mph, Moving +/- 2 mph.	\$2,250.00
AA09	Stalker DSR - General Description: vehicle-mounted design. Stationary or moving applications. Directional technology. Operating frequency: Ka band. Dual antenna. LED display. Opposite or same direction tracking, with rearward strongest/fastest targeting. Audio verification of antenna and direction. Backlit LCD. Cordless remote. Doppler audio. RS232 port for camera and computer interface. Components: complete unit, ready for use, with dual antenna, programmed with necessary software, detachable display unit, cordless remote. Speed Range: Target, stationary: 12 to 200 mph. Target, moving, opposite lane: 20 to 195 mph @ 5 mph patrol speed, 35 to 130 mph @ 70 mph patrol speed. Patrol speed: 5 to 90 mph. Accuracy: Stationary +/- 1 mph; Moving +/- 2 mph.	\$3,250.00
AA07	Stalker DSR 2X - General Description: vehicle-mounted design. Stationary or moving applications. Directional technology. Rear traffic collision alert. Two to four vehicle stationary monitoring. Operating frequency: Ka band. Dual antenna. LED display. Opposite or automatic same direction tracking, with rearward strongest/fastest targeting. Audio verification of antenna and direction. Backlit LCD. Cordless remote. Doppler audio. RS232 port for camera and computer interface. Components: complete unit, ready for use, with dual antenna, programmed with necessary software, detachable display unit, cordless remote. Speed Range: Target, stationary: 12 to 200 mph. Target, moving, opposite lane: 20 to 195 mph @ 5 mph patrol speed, 35 to 130 mph @ 70 mph patrol speed. Patrol speed: 5 to 90 mph. Accuracy: Stationary +/- 1 mph, Moving +/- 2 mph.	\$3,450.00
AA06	Stalker Speed Board - General Description: Portable, free-standing speed display sign. Built-in, directional radar (Ka-band). Speed range: 1 to 99 mph. Adjustable sensitivity. Weather-resistant, aluminum construction. Two-digit LED display (14-inch height). Locking access door. Automatic low light dimming. DC power supply design for use with accessory outlet or battery. Components: complete unit, ready for use, with Stalker DSR radar, ready for ground or trunk use (suction cup support legs) with necessary software, LED, and wiring.	\$3,695.00

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[Coban Technologies](#)

### H-GAC CONTACTS

**Loleta Joiner**  
 (P): 713-675-2486  
 (F): 713-675-4348  
[loleta.joiner@hgac.com](mailto:loleta.joiner@hgac.com)

### VENDOR CONTACTS

**Applied Concepts, Inc.**  
 Jack Beck  
 (P): 972-498-3780  
 (F): 972-348-3794  
[Click here for Email](#)

**BearCom**  
 Linda Boyner Wellborn  
 (P): 281-476-4362  
 (F): 281-930-6654  
[Click here for Email](#)

**Coban Research & Technologies, Inc.**  
 Cindy Young  
 (P): 281-277-8288  
 (F): 281-277-8256  
[Click here for Email](#)

**Digital Ally, Inc.**  
 Larry Bado  
 (P): 800-443-6947  
 (F): 913-814-7775  
[Click here for Email](#)

**Digital Safety Technologies**  
 Julia McIntyre  
 (P): 919-627-6416  
 (F): 919-627-6499  
[Click here for Email](#)

**Federal Signal Corporation**  
 Linda Bessie  
 (P): 708-534-3480  
 (F): 708-534-4874  
[Click here for Email](#)

**ICOP Digital, Inc.**  
 David Childress  
 (P): 281-788-2654  
 (F): 913-312-0264  
[Click here for Email](#)

**International Police Technologies, Inc.**  
 Chris Matlock  
 (P): 214-815-0286  
 (F): 414-774-1943  
[Click here for Email](#)

**Kustom Signals, Inc.**  
 Barry Ross  
 (P): 800-438-8806  
 (F): 913-492-1703  
[Click here for Email](#)

**Ley Communications Mobile-Vision, Inc.**  
 Mark Taylor  
 (P): 800-235-8475  
 (F): 973-557-9004  
[Click here for Email](#)

**Laser Technology, Inc.**  
 Chris Jarrett  
 (P): 800-280-6113  
 (F): 203-649-9701  
[Click here for Email](#)

**Lifeloc Technologies**  
 Susan Baumer  
 (P): 303-431-9500  
 (F): 303-431-9421  
[Click here for Email](#)

**Monitor Systems**  
 Kevin Eicker  
 (P): 409-450-0900  
 (F): 214-343-0003  
[Click here for Email](#)

**MPH Industries, Inc.**  
 Kim Borne  
 (P): 800-689-0222  
 (F): 270-683-0288  
[Click here for Email](#)

**Nestor Traffic Systems**  
 Brian Millett  
 (P): 401-274-2954  
 (F): 401-274-5707  
[Click here for Email](#)

**Watchguard Video**  
 David Sheffer  
 (P): 800-675-0734  
 (F): 972-44-59778  
[Click here for Email](#)

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
BR01	TopCam G2 (Bidder shall provide option pricing available for the VMDT configuration, with separate 17" monitor, et cetera. Bidder shall also price Coban video transfer equipment, storage management software, base system options, and external storage, and video server hardware). Camera: Sony FCB-IX10A, low light, 40X total zoom (10X optical zoom, 4X digital zoom), in-vehicle, color camera, Monitor & Controls: (Available in both overhead and detached mount configurations) 6.4" touch screen monitor with optional integration with existing laptops or MDTs for viewing, controlling and inputting data. Video capture: MPEG1/MPEG2/MPEG4. Automatic record triggers: emergency lights, siren, wireless remote. Audio: Programmable wireless microphone (no laser wires) with auto-activation, auto-synchronization with system, 1000 foot line of site range, panic button, covert in-car microphone on second audio channel, Recorder/Data transfer: Ready for three modes: digital format recorder with removable hard drive, Ethernet or wireless transmission.	\$5,260.00

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Digital Ally, Inc.

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
BE01	DVM-500 - A complete digital in-car video system integrated into a rear view mirror & easily installed in any brand, make or model of vehicle. Built-in ultra bright, sunlight-readable 3.5-inch Color TFT Monitor, covert back seat infrared camera, internal mic, speaker and GPS with "mark" button, electronic locking door with key code access, internal backup battery that provides up to 30 minutes of continuous operation in case of unexpected power loss. Ultra compact color camera with 120X Digital Zoom and special low light night mode and near focus mode. 900 MHz Audio Transceiver with auto activation/deactivation and automatically syncing. 60 Seconds Pre-event record. Records up to 18 hours on CF Flash Card. Light, siren and other triggers for record activation. Radar interface, crash sensor, speedometer speed sensor. User friendly software for easy playback, file management and archiving to DVD's, CD-Roms or hard drives.	\$4,250.00
BE02	DVM-750 - A complete digital in-car video system integrated into a rear view mirror & easily installed in any brand, make or model of vehicle. Built-in ultra bright, sunlight-readable 3.5-inch Color TFT Monitor, covert back seat infrared camera, internal mic, speaker and GPS with "mark" button, electronic locking door with key code access, internal backup battery. Ultra compact color camera with 120X Digital Zoom and special low light night mode and near focus mode for reading driver's license. 60 Seconds Pre-event record & the ability to connect up to three cameras and record from two cameras plus three audio channels, simultaneously. New VoiceVault™ Advanced Wireless Microphone with On-Board Memory that can record audio evidence even when the officer is beyond the range of the in-car recording device, transmission range of up to one mile, bidirectional communication, GPS with "mark" feature, memo function to record audible notes, full digital audio transmission, true frequency hopping technology, embedded date/time and GPS coordinates, vibrating covert signals and button press confirmation, and an emergency call feature that will send a "help" message and GPS coordinates back to the vehicle. Records up to 32 hours on CF Flash Card. Light, siren and other triggers for record activation. Radar interface, crash sensor, speedometer speed sensor. User friendly software for easy playback, file management and archiving to DVD's, CD-Roms or hard drives.	\$4,525.00
BE03	FirstVu™ - a compact, solid state professional, wearable digital audio and video recorder that can be attached to a law enforcement officer's uniform. It has many of the features of the DVM series of In-Car Video Systems, without being "lettered" to the police cruiser or other vehicle. Key features include easy-to-use four-button operation with vibrating notifications, infrared illumination, a lithium polymer battery for up to five hours of recording, pre-event recording capabilities. D1 high resolution video (720x480) that records to reliable solid state memory, an integrated GPS with "mark" feature, and both LED and covert modes of activation.	\$795.00
BE04	DVF-500-A complete Digital Video System integrated into a Law Enforcement style flashlight. A portable Digital video/audio recording device that is completely portable and capture evidence exactly where it is. Evidence in the palm of your hand. Super Wide Angle color camera, integrated microphone, super bright LED lights and 2 GB of non-volatile SD memory providing up to 8 hours record time. 60 Seconds Pre-event record. Auto/Video output for playback on any standard television, monitor or computer. Li-ion rechargeable batteries. User friendly software for easy playback, file management and archiving to DVD's, CD-Roms or hard drives. Download onto any Windows XP or newer system, playback using standard Windows Media Player or any standard DVD player.	\$1,275.00

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Digital Safety Technologies, Inc.

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
BA01	DigitalPatroler 2 - Complete digital video and audio recording system triggered manually or automatically by events including activation of light bar, siren, vehicle speed, crash sensor. Removable hard drive blade storage system with 24 hour capacity. Up to 300 seconds pre-event recording. Low light, automatic focus, 480line resolution, 22x zoom in-vehicle, color camera. Stand-alone LCD monitor/controller with 4.5" viewable area. Passenger compartment wired microphone and camera with 6 IR LED's for capturing video in total darkness. Wireless transmitter with up to 1,000' range, remote system triggering and stealth mode. Integrated GPS for video time stamping, position and speed. Wired or wireless (optional) video upload capability. DPVW secure event capture, storage, transfer, and retrieval software system with integrated back office management tools for security, automatic updates, and health reporting.	\$4,485.00

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Federal Signal Corporation

(Also available from BearCom)

C. Automated License Plate Recognition Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
CA01	P372P-810-X-Y Spike Integrated ALPR System with Onboard Illumination. ALPR Processor with ALPR/OCR Engine, and dual lens camera assembly with long hood (specify IR and color focal lengths as X and Y).	\$10,450.00
CA02	P362P-810-X-Y SpikeHD Integrated ALPR System with Onboard Illumination. ALPR Processor with ALPR/OCR Engine, dual lens camera assembly with long hood. 1 GB compact flash as standard. High resolution IR sensor provides full lane coverage with one unit. (Specify IR and color focal lengths as X and Y).	\$18,650.00
CA04	P362-810-LE-B One Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR camera, SuperFlex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software.	\$12,825.00
CA05	P362-810-LE-S Two Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR cameras, SuperFlex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software.	\$16,625.00
CA06	P362-810-LE-G Three Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR cameras, SuperFlex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software.	\$20,425.00
CA07	P362-810-LE-P Four Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR cameras, SuperFlex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software.	\$24,225.00
CA08	PIPS-EDGE-810-B One Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR camera, SuperFlex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software.	\$11,400.00

CA09	PIPS-EDGE-810-S Two Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR cameras, SuperRex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software	\$13,300.00
CA10	PIPS-EDGE-810-G Three Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR cameras, SuperRex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software	\$15,200.00
CA11	PIPS-EDGE-810-P Four Camera Mobile Automated License Plate Recognition Law Enforcement System with dual lens ALPR cameras, SuperRex processor, cables and brackets, GPS module, PIPS ALPR engine, and PAGIS software	\$17,100.00
CA13	BOSS-PRO Back Office System Software for PIPS Automated License Plate Recognition systems. Provides administration, data analysis and data storage. Includes SQL Server license	\$5,695.25
CA14	RC-V-CAM VelocityCAM™ Digital Video Unit includes software, forward mount camera, rear seat camera, wireless microphone, and Quantum box	\$4,250.00

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ICOP Digital, Inc.

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
BG01	ICOP Model 2020 - General Description: Complete digital video and audio recording system. In-dash (built-in AM/FM radio) design (no trunk, under seat, or cabin roof mounting necessary). Full VGA (640x480) video (30 fps). Access-control software (proprietary). Built-in GPS with continuous (all-day) display. In-vehicle classification codes, for easy search and retrieval. Camera Color Sony FCB-X11A, low light, 40X total zoom, auto focus. Includes backseat b/w infrared camera. "Driver's license" zoom feature. Color Monitor & Controls. All included in dash-mounted unit. Active matrix LCD color display TFT "Sunview" monitor w/brightness adjustment (3.8" diagonal). Backlit control panel, with LED indicator lights and brightness adjustment. Recorder. Record time: 2 cameras up to 8 hours in highest resolution standard 20 GB HD, up to 16 hours with optional 40GB HD. Record manually or automatic record triggers: wireless remote, emergency lights, siren, brakes, and collision. Record over protection Wireless Mic. High Quality Frequency Hopping Spread Spectrum technology, includes "Officer Help" button.	\$4,600.00

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International Police Technologies, Inc.

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
BC01	Vision Hawk - Camera: Sony/Honeywell low light in cab color cameras for front and rear coverage, with IR night viewing. Zoom: front 23X optical zoom, 184x digital zoom, Wide angle rear. Controls console: Automatic focus, Monitor & Controls. Overhead console, encompassing controls, speakers, front camera, rear camera (covert), and LCD color display (3.5" diagonal). Server based operating system, with custom video management system (email / wired ethernet connectivity). Recorder: Digital format. Under seat mounting. Max recording time: 40 hours (for standard hard drive). Automatic record triggers: emergency lights, siren, wireless microphone, or collision. Simultaneous interior and exterior audio and video recording. Simultaneous 2-channel audio recording (inside and outside). Passive (pre-event) recording: 60 seconds. Hard drive: removable, 40 GB. Digital image stabilization. Resolution: 720 x 480. Capability of recording 2 video inputs (30 frames/sec each). Still image capture. Audio: Wireless microphones (900 MHz, 500 foot line of sight range, with antenna, 8 channels).	\$5,650.00

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Kustom Signals, Inc.

A. Speed Detection Instruments/Systems

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
AC01	Falcon II - Stationary application - General Description: Hand-held or dash mount, power cord design. Stationary application. Operating frequency: Ka-band. Components: complete unit, ready for use, programmed with necessary software, cord and plug adapter.	\$1,283.98
AC02	Falcon - General Description: Hand-held, power cord, compact design. Stationary application. Operating frequency: Ka-band. Components: complete unit, ready for use, programmed with necessary software, cord and plug adapter.	\$1,049.51
AC03	HR-12 - General Description: Hand-held, power cord, compact design. Stationary or moving applications. Operating frequency: Ka-band. Components: complete unit, ready for use, programmed with necessary software, cord and plug adapter, dash mount.	\$1,492.05
AC04	ProLaser III - General Description: Hand-held cordless design. Stationary applications. Backlit, LCD display. Heads-up targeting display. Battery: removable, rechargeable NiMH. Audio assisted aiming. Directional technology. Trigger activated transmission. Incident weather mode. Simultaneous speed and range. RS232 connections port for camera and computer interface. Components: complete unit, ready for use, programmed with necessary software, heads-up display, battery, battery charger.	\$2,943.50
AC05	Eagle II - General Description: Vehicle-mounted design. Operating frequency: Ka-band. Dual antenna. Stationary or moving applications. LED display. Corded remote. Doppler audio. RS232 connections for camera and computer interface. Components: complete system, ready for use, with dual antenna, programmed with necessary software, corded remote.	\$1,606.78
AC06	Eagle II Plus - General Description: Vehicle-mounted design. Operating frequency: Ka-band. Dual antenna. Backlit LED display. Stationary or moving applications. Fastest vehicle tracking. Stopwatch tracking. Corded remote. Doppler audio. RS232 connections for camera and computer interface. Components: complete system, ready for use, with dual antenna, programmed with necessary software, corded remote.	\$1,771.18
AC07	Golden Eagle II - General Description: Vehicle-mounted design. Operating frequency: Ka-band. Dual antenna. LED display. Stationary or moving applications. Same direction tracking. Fastest vehicle tracking. Stopwatch tracking. Corded remote. Convertible display. Doppler audio. RS232 connections for camera and computer interface. Components: complete system, ready for use, with dual antenna, programmed with necessary software, corded remote.	\$2,040.15
AC08	Directional Golden Eagle II - General Description: vehicle-mounted design. Operating frequency: Ka-band. Dual antenna. Distinguishes slower and faster traffic in same direction mode. Backlit, LCD display. Corded remote. Doppler audio. Counting unit. Dash (via shielded cable) or directly to control unit. Components: complete system, ready for use, with dual antenna, programmed with necessary software, display unit, corded remote.	\$2,684.68
AC09	Golden Eagle Motorcycle - General Description: Motorcycle-mounted design. Operating frequency: Ka-band. Weatherproof components. Dual antenna. LED display. Stationary or moving applications. Same direction tracking. Fastest vehicle tracking. Stopwatch tracking. Thumb switch remote. Convertible display. Doppler audio. RS232 connections for camera and computer interface. Components: complete system, ready for use, with dual antenna, programmed with necessary software, remote, mounting brackets.	\$2,421.79
AC10	SMART Model-II - General Description: Trailer-mounted speed display sign. Built-in radar (K-band). Speed range: 10 to 95 mph. Weather-resistant aluminum construction, on a steel tubular frame, with trailer, two-digit LED display (18-inch height), batteries, and 18 Amp AC charger. Components: Complete unit, ready for use, with console, Directional radar unit, frame, trailer, LED sign, leveling jacks, removable hitch, with necessary software, plus batteries, and 18 amp AC charger.	\$8,358.53
AC11	SMART Model-I - General Description: Trailer-mounted speed display sign. Built-in radar (K-band). Speed range: 10 to 65 mph. Weather-resistant aluminum construction, on a steel tubular frame, with trailer, two-digit LED display (16-inch height), solar assist panels, red violator alert display, batteries, and 18 amp AC charger. Components: Complete unit, ready for use, with console, Directional radar unit, frame, trailer, LED sign, leveling jacks, removable hitch, with necessary software, solar assist panels, batteries, and AC charger.	\$9,409.05

AC13	SMART VMS Model III - General Description: Trailer-mounted speed and message display sign. Built-in radar (K-band). Speed range: 10 to 99 mph. Weather-resistant, steel construction, on a steel tubular frame, with trailer, LED display (6" x 8") and 18-inch row height. 1 to 3 line message. 165 pre-programmed messages, 199 user-defined message bank capability, battery pack, and 4G amp charger. Components: complete unit, ready for use, with console, Directional radar, frame, trailer, LED sign, leveling jacks, removable hitch with necessary software, batteries, and AC charger.	\$18,339.90
AC14	ProLite+ Laser System - General Description: Binocular style cordless design. Stationary applications. Backlit, LCD display. Heads-up targeting display. Battery: removable, rechargeable. Audio assisted aiming. Directional technology. Trigger activated transmission. Inclement weather mode. Simultaneous speed and range. Components: complete unit, ready for use, programmed with necessary software, heads-up display, batteries, lanyard.	\$1,627.00
AC15	SMART 850 Plus - General Description: 18" display trailer which includes Kustom Signals' K-band directional radar, conforming speed limit signs, powder coat finish over high-zinc epoxy primer, storage box, 3 leveling jacks, 2000 pound axle with leaf spring suspension, white steel wheels, and DOT regulation lights and side markers. Fold-down display and sign. Standard battery is 12 VDC with charger and single cycle 24 hour ON/OFF timer. Components: complete unit, ready for use, directional radar, frame, trailer, leveling jacks, software, battery and AC charger, "Slow Down", Red/Blue Ute/Bar Violator Alerts, and traffic statistics computer.	\$7,507.93
AC16	Facon HR - General Description: Stationary operation, hand-held or dash-mount radar, power cord, compact design, innovative high performance low-power directional technology. Operating frequency: k-band. Components: complete unit, ready for use, programmed with necessary software, cord and plug adapter.	\$645.54
AC17	Ractor - General Description: Moving/Stationary operation, two-piece moving radar with DuraTrak technology which utilizes a target tracking LCD graphical display to indicate the backing history of a particular signal. Operating frequency: waterproof K-band antenna design. Components: complete unit, ready for use, programmed with necessary software, and remote.	\$949.93
BD02	Digital Eyewitness NXT - Camera: Sony FCB-IX10A, low light, 40X total zoom (10X optical zoom, 4X digital zoom), in-vehicle, color camera. Monitor & Controls: Stand-alone monitor design, with separate controller and dash-mounted control box, and color monitor (Overhead console also available at no charge. Must be specified at time of order). Active matrix LCD color display (3.5" diagonal). Recorder: Choice of DVD Ram, Removable Hard Drive, or Compact Flash digital format (must be specified at order). PC compatibility: MPEG1, 2 or 4 compression. Cab Mounted Media Vault: Passive (pre-event) recording, up to three minutes. Audio: ClearComm 900MHz, Cabin Microphone and speakers. Open architecture design for future upgrade capability. Optional wired and wireless transfer. Simultaneous Metadata recording.	\$5,470.85
BD03	Digital Eyewitness ION - Camera: Sony FCB-IX10A, low light, 40X total zoom (10X optical zoom, 4X digital zoom), in-vehicle, color camera. Monitor & Controls: Stand-alone monitor design, with separate controller and dash-mounted control box, and color monitor (Overhead console also available at no charge. Must be specified at time of order). Active matrix LCD color display (3.5" diagonal). Recorder: Choice of DVD Ram or Removable Hard Drive (must be specified at order). PC compatibility: MPEG1, 2 or 4 compression (must be specified at time of order). Cab Mounted Media Vault: Passive (pre-event) recording, up to three minutes. Audio: ClearComm 900MHz, Cabin Microphone and speakers.	\$4,054.93
BD04	Digital Eyewitness Media Manager 1000 - Desktop computer with 1TB storage capacity (additional storage available as optional upgrade), monitor, keyboard and mouse. Kustom Signals' DEMM software for video management, search and copy. Nero DVD burning software. Hard drive receiver and DVD RW Drive. Installation and training provided.	\$7,206.50
BD05	Digital Eyewitness Media Manager 2500 - Desktop computer with 2.5TB storage capacity (additional storage available as optional upgrade), monitor, keyboard and mouse. Kustom Signals' DEMM software for video management, search and copy. Nero DVD burning software. Hard drive receiver and DVD RW Drive. Installation and training provided.	\$7,612.50
BD06	Road Warrior (Motorcycle) - Camera: Color bullet-style camera with fixed focus wide angle lens, 480 lines horizontal resolution and minimum 3 lux. Monitor & Controls: Weatherproof controller and 3.5" color LCD monitor (measured diagonally). Recorder: 8GB Compact Flash digital format. PC compatibility, MPEG 4 compression. Audio: ClearComm 900MHz with LED blackout for covert nighttime operation. Compatible with Kustom Signals' DEMM solutions.	\$4,054.93
BD07	Road Boss - Camera: Color bullet-style camera with fixed focus wide angle lens, 480 lines horizontal resolution and minimum 3 lux (optional zoom camera available also). Monitor & Controls: Controller and 3.5" color LCD monitor (measured diagonally). Recorder: 8GB Compact Flash digital format. PC compatibility, MPEG 4 compression. Audio: ClearComm 900MHz with LED blackout for covert nighttime operation. Compatible with Kustom Signals' DEMM solutions.	\$3,648.93

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L-3 Communications Mobile-Vision, Inc.

B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
BU01	Flashback 2 In-Car Video System - Bidder shall also price L-3 Mobile Vision data and storage management hardware/software. General Description: The Flashback 2 in-car video system is a universal mount in-car video system that utilizes 8GB (standard, options available) flash based memory for reliability and ruggedness. Transfer options include hardware, removable media and wireless transfer. System records at 720x480 at 30 frames per second MPEG4. System provides "Trace" functionality with Google mapping, In-Car evidence classification, Automated system activation, Hands-Free system record. Camera - 12x digital and 12x optical (144x total) zoom Sony camera with 03lux. Patented NightWatch technology. Wireless Microphone - Patented VoiceLink Plus wireless microphone with 900MHz technology and patented remote activation of Flashback 2 DVR. Monitor - 3.5" universal mount monitor.	\$5,295.00

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Laser Technology, Inc.

A. Speed Detection Instruments/Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
AD01	Tri-Speed Laser - General Description: Hand held cordless design. LCD display. Heads up Targeting display. Displays both speed and range. Speed mode operates in continuous and single shot mode. Battery style "C" cell. Speed range is 2,000 feet. Components: Complete unit ready for use, programmed with necessary software, shoulder stock, sighting scope and carrying case. Accuracy in speed mode is +/- 1 mph with a speed range of 1 to 200 mph. Composite lightweight housing with aluminum chassis.	\$2,195.00
AD02	Ultralyte 100 LRB - Laser - General Description: Hand held cordless design. LCD display. Heads-up targeting display. Speed and survey modes. Speed mode operates in a continuous mode. Survey mode calculates slope distance. Battery: C- Style type. Components: Complete unit, ready for use, programmed with necessary software, shoulder stock, sighting scope, and carrying case. Accuracy in speed mode +/- 1 mph with a speed range of 1 mph to 200 mph.	\$3,395.00
AD03	Ultralyte 100 LR - Laser - General Description: Hand held cordless design. LCD display. Heads-up targeting display. Speed and survey modes. Survey mode able to calculate slope measurement. Menu options include single shot mode, range gates, and mute mode. Battery: C- Style type. Components: Complete unit, ready for use, programmed with necessary software, shoulder stock, sighting scope and carrying case. Accuracy in speed mode +/- 1 mph with a speed range of 1 mph to 200 mph.	\$3,495.00
AD04	Ultralyte 100 LR with DBC - Laser - General Description: Hand held cordless design. LCD display. Heads-up targeting display. Speed and survey modes. Survey mode able to calculate slope measurement. Menu options include single shot mode, range gates, and mute mode. Equipped with the technology and software to figure the distance between two cars (DBC). Displays the distance between vehicles in feet and seconds. Battery: C- Style type. Components: Complete unit, ready for use, programmed with necessary software, shoulder stock, sighting scope, and carrying case. Accuracy in speed mode +/- 1 mph with a speed range of 1 to 200 mph.	\$3,695.00
AD05	Ultralyte 200 LR - Laser - General Description: Hand held cordless design. LCD display. Heads-up targeting display. Dual purpose speed and survey measurement used for accident and crime scene reconstruction. Survey mode able to calculate horizontal, vertical, slope, and angle measurement. Menu options include single shot mode, range gates, and mute mode. Battery: C- Style type. Components: Complete unit, ready for use, programmed with necessary software, shoulder stock, sighting scope,	\$3,995.00

	and carrying case. Accuracy in speed mode +/- 1 mph with a speed range of 1 mph to 200 mph.	
AD06	Insulte 200 - Laser - General Description: Hand-held cordless design. Survey instrument designed for accident and crime scene reconstruction. Distance measurements only. Laser able to calculate horizontal, vertical, slope, and angle distance. LCD back panel display. Battery AA - Style type: Components: Complete unit, ready for use, programmed with necessary software, sighting scope and carrying case.	\$2,695.00
AD07	Tri-Cam Laser - General Description: Hand held cordless design to operate on battery handles. Heads up targeting that is equipped with an integrated camera, lighted back screen for camera display, targeting and playback. Able to adjust camera brightness, and setup design. Options include "Distance Between Cars" mode. Includes laser case and two battery handles. Stores data to SD card for playback on approved computer devices.	\$9,030.00
AD08	Mapstar Angle Encoder - Precisely measures the tilted, horizontal angle that is referenced to a specific target point. The MSAE integrates seamlessly with LTI's lasers, range finders, and compatible software. Equipped with custom backlit LCD display, audible and visual indicators, data output for external storage and manipulation, easy to multi-functional keypad, and integrates with compatible GIS and GPS packages. Includes cable and carrying case. Is immune to local magnetic interference.	\$2,495.00
AD09	Quickmap 3D Mapping Package - General Description: Accident investigation package that allows the user to map accident and crime scenes. The kit includes all components including data collector, hardware, and all software including a CAD drawing program. Designed to operate with the Laser Technology Laser and Mapstar Angle Encoder.	\$3,695.00
AD10	True Pulse 200 - Laser - General Description: Professional grade laser range finder ideal for military and tactical applications. Calculates horizontal, vertical, slope and angle distances, providing the user with a "true corrected range" and validation for "bullet drop." Accuracy 1 ft to a quality target and 1 yd to low quality target.	\$895.00
AD11	True Pulse 360 - Laser - General Description: Professional grade laser range finder ideal for military and tactical applications. Calculates horizontal, vertical, slope and angle distances, providing the user with a "true corrected range" and validation for "bullet drop." Equipped with an electronic compass able to calculate missing line functions. Able to provide true azimuth. Accuracy 1 ft to a quality target, and 1 yd to low quality target.	\$1,795.00
AD12	LRS - Laser Sensor: Laser designed to measure distance and output data via 4-20mA, RS-232, RS-485 formats. Power is 10 - 30 volts DC. Pulse rates range from 10 Hz to 5 KHz. Accuracy is +/- 1 cm and range is up to 1700 meters (to a reflective target). Includes case and cable to properly operate unit.	\$2,395.00

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### Lifeloc Technologies Inc

#### D. Portable Breath Alcohol Testers

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
DA01	Lifeloc Technologies FC10 - General Description: The FC10 Portable Breath Alcohol Tester was designed specifically for Law Enforcement and Corrections use and is DOT approved, evidentiary quality. The one-step operation makes testing simple, fast, and easy-to-learn. The unique, fail-safe software ensures a valid test result or provides clear instructions on how to proceed. Conduct hundreds of tests in 30 second intervals with no need for resting, purging, or recalibration. Digital electronic operation and extremely long battery life provide testing readiness for as long as you need it. Features: Fully automatic operation. Digital 10-second response time. No limit on number of tests. No delay between tests. Large, easy-to-read LCD display. Full-size Alcohol fuel cell - No False Positive Results. Last Test Recall. Accuracy: DOT Approved at +/- .005BAC to +/- .5% above a .100BAC. Response Time: Immediate on negatives, under 10 seconds on positives. Recovery Time (ready for next test): Immediate on negatives, under 30 seconds on positives. Detection Range: .000 to .600 BAC. Sensor: Advanced one-inch Electrochemical Fuel Cell - Alcohol Specific.	\$412.00
DA02	Lifeloc Technologies FC10Plus - General Description: The FC10Plus Portable Breath Alcohol Tester was designed specifically for Law Enforcement and Corrections use and is DOT approved, evidentiary quality. The Passive Test Mode tests for the presence of alcohol without the use of a mouthpiece. Instant readout gives a 'NEG' or 'POS' result. Quick recovery allows for repeated use on multiple subjects. Selectable test mode: Auto, Manual or Passive allows operator to quickly adapt to any situation. Conduct hundreds of tests in 30 second intervals with no need for resting, purging, or recalibration. Digital electronic operation and extremely long battery life provide testing readiness for as long as you need it. Features: Fully automatic operation. Digital 10-second response time. No limit on number of tests. No delay between tests. Large, easy-to-read LCD display. Full-size Alcohol fuel cell - No False Positive Results. Last Test Recall. Accuracy: DOT Approved at +/- .005BAC to +/- .5% above a .100BAC. Response Time: Immediate on negatives, under 10 seconds on positives. Recovery Time (ready for next test): Immediate on negatives, under 30 seconds on positives. Detection Range: .000 to .600 BAC. Sensor: Advanced one-inch Electrochemical Fuel Cell - Alcohol Specific.	\$460.00
DA03	Lifeloc Technologies FC20 - General Description: The FC20 Portable Breath Alcohol Tester was designed specifically for Law Enforcement and Corrections use and is DOT approved, evidentiary quality. The Passive Test Mode tests for the presence of alcohol without the use of a mouthpiece. Instant readout gives a 'NEG' or 'POS' result. Quick recovery allows for repeated use on multiple subjects. Selectable test mode: Auto, Manual or Passive allows operator to quickly adapt to any situation. The one-step operation makes testing simple, fast, and easy-to-learn. The unique, fail-safe software ensures a valid test result or provides clear instructions on how to proceed. Flexible use for both screening and evidential applications. Easily customized with user-specific programmable settings. Comprehensive on-board memory documents all test parameters and is able to print directly to printer or download to computer using DataTrak software. Permanent documentation of last 500 tests. Features: Fully automatic operation. Digital 10-second response time. No limit on number of tests. No delay between tests. Large, easy-to-read LCD display. Full-size Alcohol fuel cell - No False Positive Results. Last Test Recall. Accuracy: DOT Approved at +/- .005BAC to +/- .5% above a .100BAC. Response Time: Immediate on negatives, under 10 seconds on positives. Recovery Time (ready for next test): Immediate on negatives, under 30 seconds on positives. Detection Range: .000 to .600 BAC. Sensor: Advanced one-inch Electrochemical Fuel Cell - Alcohol Specific.	\$715.50

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### Monitor Systems

#### A. Speed Detection Instruments/Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
A101	MS1-R - General Description: Trailer-mounted speed display sign. 360 degree rotating display. 20 inch 2 digit LED display. Built-in approach-only radar. Speed range: 5 to 99 mph, 7 day timer, red flashing Violator Alert. Weather-resistant construction, on a steel tubular frame trailer. Graffiti-resistant paint/coatings. Remote control for setting of speed limit and maximum display speeds. 2 rechargeable deep cycle batteries. Components: Complete unit, ready for use, with radar, frame, trailer, 4 leveling jacks, necessary software, LED board, remote, batteries and charger. Price includes Solar Panel.	\$7,338.00
A102	MSL-1 General Description: Trailer-mounted speed display sign. 16 inch 2 digit LED display. Built-in approach-only radar. Speed range: 5 to 99 mph. Weather-resistant aluminum construction, on a steel tubular frame trailer. Graffiti-resistant paint. Shatter resistant display window. Remote control for setting of speed limit and maximum display speeds. rechargeable deep cycle battery. Components: Complete unit, ready for use, with radar, frame, trailer, 3 leveling jacks, remote, necessary software, LED board, battery and charger. Price includes Solar Panel.	\$5,457.75
A103	MSPM-2 General Description: Portable, free standing speed display sign. 16 inch tall, 2 digit LED display. Built-in approach-only radar. Speed range: 5 to 99 mph. Weather-resistant aluminum construction, Graffiti-resistant powder coat paint. Components: Complete unit, ready for use, with necessary software, radar, remote and DC wiring.	\$2,869.00
A104	MSMS-3916 Matrix (Alpha-Numeric) - General Description: Trailer-mounted speed and message display sign. Approach-only radar (Kin-Band). Speed range: 5 to 99 mph. Weather-proof, aluminum construction, on a steel tubular frame, with trailer. LED speed and message display (5", 8" and 12-inch row height, 1 to 2 line message). Graffiti-resistant finish. Components: Complete unit, ready for use, radar, frame, trailer, with necessary software, remote, programmable 2 line, 8 character LED message board, keyboard, rechargeable deep cycle batteries (2), charger. Price includes Solar Panel.	\$11,685.00
A105	MSPM-D (Daily) General Description: Portable, free standing Daily Mounted, speed display sign. 25 inch display with 16" tall digits, LED display. Built-in approach-only radar. Speed range: 5 to 99 mph. Auto light adjustment, sealed rechargeable batteries. Weather-resistant, Graffiti-resistant powder coat paint. Components: Complete unit, ready for use, with necessary software, radar, remote and DC wiring.	\$3,250.00

A/06 MSPS-2 (Placette) General Description: "See Thru" Design, Folding Trailer-mounted speed display sign, 25 inch Display with Two 18" tall LED lights, Built-in approach-only radar, Speed range: 5 to 99 mph, Rechargeable Batteries, Charger, Two Lockable Storage compartments. Price includes Solar Panel.

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#### MPH Industries

- A. Speed Detection Instruments/Systems
- B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
AE01	2-25 - General Description - hand-held corded design Stationary applications Operating frequency K-band Two window speed display Fastest vehicle tracking Detachable handle for remote control when dash-mounted Backlit LCD display Two stage trigger Doppler audio Anti-radar detector radar pulse technology ("POP") Weight 2.1 pounds Components complete unit, ready for use, with necessary software Target Speed Range 10 to 135 mph Accuracy +/- 1 mph	\$527.00
AE02	2-35 - General Description hand-held cordless design Stationary applications Operating frequency K-band Two window speed display Strongest-fastest vehicle tracking Detachable battery pack handle for remote control when dash-mounted Backlit LCD display Two stage trigger Doppler audio Anti-radar detector radar pulse technology ("POP") Rechargeable battery-handle, Weight 2.1 pounds Components complete unit, ready for use, with necessary software Two rechargeable battery-handle, carrying case Target Speed Range 10 to 160 mph Accuracy +/- 1 mph	\$1,189.00
AE03	Speedgun - General Description hand-held or dash-mounted, cordless design Stationary or moving applications Operating frequency K-band Fastest vehicle tracking Same direction tracking Detachable handle-power pack/remote Backlit LCD display Doppler audio Weight 2.75 pounds Components complete unit, ready for use, with necessary software Rechargeable battery-handle/dash remote control, charger, dash mount, carrying case, Speed Range Target, stationary 15 to 200 mph Target moving, opposite direction 20 to 200 mph, Patrol range, opposite direction/same direction 20 to 80 mph/12 to 80 mph, Accuracy +/- 1 mph	\$1,265.00
AE04	Python - General Description Vehicle-mounted design Stationary or moving applications Operating frequency K-band Backlit LED Doppler audio Fastest vehicle tracking Same direction tracking Corded remote RS232 connections for camera and computer interface Components complete system, ready for use, with antenna, software, display unit, corded remote Speed Range Target, stationary 15 to 200 mph Target moving 15 to 200 mph, Patrol speeds 20 to 80 mph, Accuracy +/- 1 mph	\$610.00
AE05	Enforcer - General Description Vehicle-mounted design Stationary or moving applications Operating frequency K-band Dual antenna Backlit LED Fastest vehicle tracking "POP" anti-radar detector radar pulse technology Same direction tracking Fastest vehicle tracking Doppler audio Corded remote RS232 connections for camera and computer interface Components complete system ready for use, with antenna, software, display unit, corded remote Speed Range Target, stationary 15 to 200 mph target speeds Target, moving (opposite direction city / highway modes) 15 to 200 mph, Patrol speed, opposite direction 12 to 80 mph, Accuracy +/- 1 mph	\$1,222.00
AE06	Bee III - General Description Vehicle-mounted design Stationary or moving applications Operating frequency Ka-band, Dual antenna Backlit LED Fastest vehicle tracking Automatic same direction mode ("ASD") Anti-radar detector radar pulse technology ("POP") Fastest vehicle tracking Doppler audio Cordless remote RS232 connections for camera and computer interface Components complete system, ready for use, with dual antenna, software, display unit, cordless remote Speed Range Target, stationary 15 to 200 mph target speeds Target, moving (opposite direction, city / highway modes) 15 to 200 mph, Patrol speed, opposite direction (city/highway modes) 12 to 80 / 20 to 90 mph, Accuracy +/- 1 mph	\$1,405.00
AE07	Speed Monitor III Sign - General Description Portable free-standing, speed display sign Built-in DS-IV approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, Lexan construction Two-digit LED display (12-inch) DC power supply design Components complete unit, ready for use, with radar, ready for ground or trunk use (suction cup support legs), with necessary software, LED, wiring, and DC power cord-cigarette adapter	\$1,713.00
AE08	Speed Monitor F Sign - General Description Fixed location, pole-mounted speed display sign Built-in DS-IV approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, Lexan Window, Locking cabinet Two-digit LED display (18-inch) Locking access door Automatic low light dimming DC power supply design Components complete unit, ready for use, with radar, ready for mounting (attachment hardware included), with necessary software, LED, and DC wiring	\$3,375.00
AE09	Speed Guardian Sign - General Description Fixed location, pole-mounted speed display sign Built-in DS-IV approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, Lexan Window Locking cabinet Two-digit LED display (12-inch) Locking access door Automatic low light dimming DC power supply design Components complete unit, ready for use, with radar, ready for mounting (attachment hardware included), with necessary software, LED, and DC wiring	\$1,747.00
AE10	Crossing Guardian Sign - General Description Portable, free-standing dolly-mounted speed display sign Built-in DS-IV approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, aluminum construction, on a steel tubular frame Two-digit LED display (12-inch height) Internal, rechargeable battery with AC charger, and DC wiring Components Complete unit, ready for use with radar, rolling dolly, with necessary software, LED sign, DC wiring, plus battery and battery AC charger	\$2,751.00
AE11	Speed Patrol 18 Trailer - General Description Trailer-mounted speed display sign Built-in DS-IV approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, steel construction, on a steel tubular frame, with trailer LED speed and message display (18-inch) Graffiti-resistant finish Sealed, rechargeable battery Components Complete unit, ready for use, with radar, frame trailer, with necessary software, LED sign, plus battery and charger	\$9,131.00
AE12	Speed Monitor 16 Trailer - General Description Trailer-mounted speed display sign Built-in DS-IV approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, steel cabinet, on a steel tubular frame, with trailer LED speed display (18-inch) Graffiti-resistant finish Sealed, rechargeable battery Components Complete unit, ready for use, with radar, frame, trailer, with necessary software, LED message board, plus battery and charger	\$7,152.00
AE13	Speed Monitor 25 Trailer - General Description Trailer-mounted speed display sign Built-in BEE-III approach-only radar (K-band) Speed range 10 to 99 mph Weather-proof, steel cabinet, on a steel tubular frame, with trailer LED speed display (25-inch) Graffiti-resistant finish Sealed, rechargeable battery Components Complete unit, ready for use, with radar, frame, trailer, with necessary software, LED speed display, solar panel, batteries (2) and charger	\$11,254.00
AE14	Speed Monitor Matrix (Alpha-Numeric) Trailer - General Description Trailer-mounted speed and message display sign Built-in BEE-III approach-only ranging radar (Ka-band) Speed range 10 to 99 mph Weather-proof, aluminum construction, on a steel tubular frame, with trailer LED speed and message display Graffiti-resistant finish Components Complete unit, ready for use, radar, frame, trailer, with necessary software programmable 2 line, 14 character LED message board, heavy-duty batteries (2), charger and solar panel	\$18,647.00
AE15	SpeedLaser (Model S) - General Description Standard model Use for speed measurement and accident mapping IACP-CPL, Heads-Up Display (HUD) with 3 sight choices, Fast Target Acquisition, FDA Class 1 Eye-Safe, GE Lexan ABS alloy housing Speed Range 0 to 200 mph Accuracy +/- 1 mph Components SpeedLaser, Rechargeable Battery Handle, Charger, Auto Coiled Power Cord, Carrying Case, Operations Manual, 1 Year Warranty	\$2,581.00
AE16	SpeedLaser (Model R) - General Description "Ruggedized" model Use for speed measurement and accident mapping IACP-CPL, Heads-Up Display (HUD) with 3 sight choices, Fast Target Acquisition, FDA Class 1 Eye-Safe, GE Lexan ABS alloy housing Speed Range 0 to 200 mph Accuracy +/- 1 mph Components SpeedLaser with "Ruggedized" Housing, Rechargeable Battery Handle, Charger, Auto Coiled Power Cord, Carrying Case, Operations Manual, 1 Year Warranty	\$2,581.00
BF01	TRUE VIEW - General Description Complete overhead console video and audio recording system, in a DIRECT TO DVD DISK recording format Camera Low light, 184X total zoom (23X optical zoom, 8X digital zoom), in-vehicle color camera Resolution 470 lines Controls camera and console In-cab window mount Automatic focus One-touch license plate zoom Monitor & Controls Overhead console encompassing controls, speakers, color monitor LCD color display (3.5" diagonal) Recorder DVD format Max record time 6 hours on DVD+RW Disks Record-over protection Audio Wireless microphone (900 MHz, 1000 foot line of sight range, with antenna 40 channels) Cabin microphone and speakers	\$4,252.00
BF02	DocuCam V - General Description Complete overhead console video and audio recording system, in a VHS recording format Camera Low light, 184X total zoom (23X optical zoom, 8X digital zoom), in-vehicle color camera Resolution 470 lines Controls camera and console In-cab window mount Automatic focus One-touch license plate zoom Monitor & Controls Overhead console encompassing controls, speakers, color monitor LCD color display (3.5" diagonal) Recorder VHS format 4-head design Max record time 6 hours (T120 tapes) Record-over protection Audio Wireless microphone (900 MHz, 1000 foot line of sight range, with antenna 40 channels) Cabin microphone and speakers	\$2,579.00

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Nestor Traffic Systems, Inc.

A. Speed Detection Instruments/Systems

H-GAC Product Code	Base Bid Item Description	Base Offered Price (\$)
AH01	PeisicanSpeed™ Driver Image Capture - General Description PeisicanSpeed™ delivers multi-vehicle, multi-lane speed detection and recording in a vehicle-mounted or wireless tripod configuration up to 800 feet away from a customized,	\$175,000 plus \$57,000 annual

- mobile data collection center. PoliscanSpeed™ is also available in a fixed speed configuration. Technology: Scanning LIDAR (Light Detection and Ranging) scans the roadway on a 45 degree angle, 100 times per second. Together with high-resolution digital cameras (up to 12.4 mega-pixels) and near-infrared illumination, the system produces high resolution digital evidence, vehicle license plate and driver image of speeding infractions for 24 hour deployment. Measurement device: Scanning LIDAR sensor. Components: Complete system, ready for use, with necessary software and hardware including cameras, sensors, lighting, electrical components and connections needed for this basic configuration. Operational Range: 0 to 225 feet. Measurement Range: 0 to 155 mph. Accuracy: under 60 mph +/- 1%, over 60 mph <1%.
- AH02 PoliscanSpeed™ Plate Image Capture - General Description: PoliscanSpeed™ delivers bi-directional, multi-vehicle, multi-lane speed detection and recording in a vehicle-mounted or wireless tripod configuration up to 800 feet away from a customized, mobile data collection center. PoliscanSpeed™ is also available in a fixed speed configuration. Technology: Scanning LIDAR (Light Detection and Ranging) scans the roadway on a 45 degree angle, 100 times per second. Together with high-resolution digital cameras (up to 12.4 mega-pixels) and infrared illumination, the system produces high resolution digital evidence, vehicle license plate and driver image of speeding infractions for 24 hour deployment. Measurement device: Scanning LIDAR sensor. Components: Complete system, ready for use, with necessary software and hardware including cameras, sensors, lighting, electrical components and connections needed for this basic configuration. Operational Range: 0 to 225 feet. Measurement Range: 0 to 155 mph. Accuracy: under 60 mph +/- 1%, over 60 mph <1%.
- AH03 VIDAR™ Driver Image Capture - General Description: VIDAR™ delivers multi-vehicle, multi-lane speed detection and recording in fixed, pole-mounted configuration. VIDAR™ is also available in a mobile speed, tripod-mounted configuration. Technology: VIDAR™ (Video Detection and Ranging) combines VASCAR calculations with video technology for tracking and recording evidence of speeding violations. Using high-resolution digital cameras (up to 12.4 mega-pixels) and flash illumination, the system produces high resolution digital evidence, vehicle license plate and driver image, of speeding infractions for 24 hour deployment. Measurement device: VIDAR sensor. Components: Complete system, ready for use, with necessary software and hardware including cameras, sensors, lighting, poles, electrical components and connections needed for this basic configuration. Operational Range: 0 to 80 feet. Speed Range: 0 to 145 mph. Accuracy: under 45 mph +/- 1 mph, 45 mph to 70 mph +/- 2 mph, over 70 mph +/- 3-4 mph.
- AH04 VIDAR™ Plate Image Capture - General Description: VIDAR™ delivers bi-directional, multi-vehicle, multi-lane speed detection and recording in fixed, pole-mounted configuration. VIDAR™ is also available in a mobile speed, tripod-mounted configuration. Technology: VIDAR™ (Video Detection and Ranging) combines VASCAR calculations with video technology for tracking and recording evidence of speeding violations. Using high-resolution digital cameras (up to 12.4 mega-pixels) and flash illumination, the system produces high resolution digital evidence, vehicle license plate of speeding infractions for 24 hour deployment. Measurement device: VIDAR sensor. Components: Complete system, ready for use, with necessary software and hardware including cameras, sensors, lighting, poles, electrical components and connections needed for this basic configuration. Operational Range: 0 to 80 feet. Speed Range: 0 to 145 mph. Accuracy: under 45 mph +/- 1 mph, 45 mph to 70 mph +/- 2 mph, over 70 mph +/- 3-4 mph.

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## Watchguard Video

### B. In-Vehicle Video Recording Systems

H-GAC Product Code	Base Item Description	Base Offered Price (\$)
B101	DV-1 Overhead System - General Description: The DV-1 burns directly to DVD-Video disc in real-time, while in motion to eliminate any Officer downtime associated with manually burning or transferring video. No complex hardware or network infrastructure is required to maintain the DV-1. The DV-1 uses a dual drive architecture and advanced error correction to guarantee reliable recording. An integrated 40 GB automotive grade hard drive is the record buffer that allows simultaneous playback and record. Disc Overflow Protection and full DVD authentication is standard. Specifications: Up to 8 hours on DVD+RW discs. Max resolution of 720x480. Combination camera includes two, full featured digital color cameras in one housing with infrared emitters facing the cabin and a 22x optical zoom. Self contained, padded overhead enclosure. 5" high performance LCD monitor. Digital wireless microphone. Amplified cabin microphone. Optional GPS. Graphical User Interface. Administrative password protection. Interfaces and record triggers include, lights, siren, wireless microphone, manual, crash detection, brakes, auxiliary. All cables included includes WatchGuard DVD Manager Utility and WatchGuard Fleet Manager Utility software files.	\$4,945.00
B102	DV-1 Modular System - General Description: The DV-1 burns directly to DVD-Video disc in real-time, while in motion to eliminate any Officer downtime associated with manually burning or transferring video. No complex hardware or network infrastructure is required to maintain the DV-1. The DV-1 uses a dual drive architecture and advanced error correction to guarantee reliable recording. An integrated 40 GB automotive grade hard drive is the record buffer that allows simultaneous playback and record. Disc Overflow Protection and full DVD authentication is standard. Specifications: Up to 8 hours on DVD+RW discs. Max resolution of 720x480. Combination camera includes two, full featured digital color cameras in one housing with infrared emitters facing the cabin and a 22x optical zoom. Two piece design with separate DVD recorder and display control panel. 5" high performance LCD monitor. Digital wireless microphone. Amplified cabin microphone. Optional GPS. Graphical User Interface. Administrative password protection. Interfaces and record triggers include, lights, siren, wireless microphone, manual, crash detection, brakes, auxiliary. All cables included includes WatchGuard DVD Manager Utility and WatchGuard Fleet Manager Utility software files.	\$5,295.00
B103	DVD Copy Station - General Description: This is a full featured and comprehensive desktop workstation designed to combine all functions of DVD playback and copying. Details: All DVD Copy Stations include high speed DVD reader and writer, monitor, keyboard, mouse, sound systems including speakers, all cables and wiring necessary for complete stand-alone installation, pre-installed operating system and pre-installed WatchGuard DVD Manager Utility.	\$1,875.00
B104	Evidence Library Data Tracker Software - General Description: This software file will allow the metadata recorded with each DVD event to be uploaded into the Data Tracker. This metadata consists of all pertinent data recorded with each event plus up to 6 Agency defined video event tags. Data Tracker also includes DVD location tracking after check-in. Searching the Data Tracker database will quickly turn up the video events you need and also indicate its physical location. Lastly, Data Tracker will run aging reports on stored DVDs and let you know when you may re-use DVDs. A complete DVD Management Solution.	\$995.00
B105	Evidence Library Critical Event Server Software - General Description: This software combines the best of a DVD-Video system with the search capabilities and online storage of a server-based system. Critical Event Server builds upon Data Tracker to make the most of valuable server space by only uploading Critical Video Events to the Server reducing your storage requirements drastically. Additionally, powerful metadata regarding every event is also uploaded to provide near unlimited search and report functionality. Asset tracking allows full DVD management for easy retrieval. A complete DVD and video management solution when combined with the DV-1.	\$3,950.00

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## Matilde Faz

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**From:** Coughenour, Jennifer [jcoughenour@kustomsignals.com]  
**Sent:** Wednesday, December 16, 2009 11:00 AM  
**To:** matilde.faz@co.hidalgo.tx.us  
**Subject:** Kustom Signals

The Raptor options/accessories are a unpublished items on the HGAC contract but are still considered part of the contract. (EF04-09)

I spoke with Vicki Brooks at our Factory and she mentioned that it will be pushing it but should be able to get the (2) units to you by December 31st. I have sent her the configuration on the radar units that you are wanting.

If there is anything else that I can help you with please let me know. Thanks!

Jenny Coughenour  
Account Manager (SE TX, LA, AR)  
Kustom Signals  
800-458-7866 Ext. 3020

[jcoughenour@kustomsignals.com](mailto:jcoughenour@kustomsignals.com)

Have you visited [www.kustomsignals.com](http://www.kustomsignals.com) lately?

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