

# REQUEST FOR QUOTATIONS

Dunbar Police Department  
P.O. Box 483  
Dunbar, WV 25064  
304-766-0204

**ITEM:** Digital In-Car Video System for the Dunbar Police Department

**LOCATION:** Dunbar Police Department  
Earl Whittington, Chief  
P.O. Box 483  
Dunbar, WV 25064  
304-766-0204

**BID OPENING:** Bids must be received in a sealed envelope, with the date and time of the bid opening on the outside of the envelope, on or before Monday, November 19, 2012, at 11:00 a.m., in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, West Virginia 25301 (P.O. Box 3627, Charleston, WV 25336). *Faxed bids will not be accepted.*

## INSTRUCTIONS TO BIDDERS:

### **\*PLEASE USE THIS FORM AS THE COVER SHEET FOR YOUR BID**

1. Bids must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. *Faxed bids will not be accepted.*
2. Bid must be F.O.B. Delivery Point, unless otherwise indicated in proposal.
3. All bids should be signed and in ink, showing all facts and the total amount of the bid.
4. The Dunbar Police Department reserves the right to accept or reject in part or in whole any bid submitted, whichever is in the best interest of the Dunbar Police Department.

Item No.	Description	Bid Amount
1	Digital In-Car Video System for the Dunbar Police Department per the Attached Specifications	\$

Vendor Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Printed Name & Title: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

# **SPECIFICATIONS**

**Dunbar Police Department  
P.O. Box 483  
Dunbar, WV 25064  
304-766-0204**

**ITEM:** Digital In-Car Video System for the Dunbar Police Department

**LOCATION:** Dunbar Police Department  
Earl Whittington, Chief  
P.O. Box 483  
Dunbar, WV 25064  
304-766-0204

**BID OPENING:** Bids must be received in a sealed envelope, with the date and time of the bid opening on the outside of the envelope, on or before Monday, November 19, 2012, at 11:00 a.m., in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, West Virginia 25301 (P.O. Box 3627, Charleston, WV 25336). *Faxed bids will not be accepted.*

The following specifications are intended to describe a digital in-car video system for the Dunbar Police Department and the details contained in these specifications are not designed to exclude any vendor from bidding, but are offered as a means of describing the needs of the Dunbar Police Department. Where brand names may be used, the words "or equal" are assumed to follow. All specifications are minimum requirements.

## **DUNBAR POLICE DEPARTMENT DIGITAL IN-CAR VIDEO SYSTEM SPECIFICATIONS**

### **1. BID Specifications**

- a. The Digital In-Car Video System shall consist of a mounted digital video recorder, eight (8) mounted miniature cameras with zoom capability, color touch screen monitor, a bi-directional multi spectrum wireless microphone system, with receiver in the vehicle and a transmitter for the officer. It shall be capable of providing a clear audio and video recording of traffic stops, sobriety tests, etc.
- b. The DVR, Touchscreen, and Wireless microphone receiver must be in one housing, no more than a dimension of inches 3.4"x5.3"x 2.5" Millimeters 88m x 135m x 63m.
- c. The overhead console mounted digital video recorder, DVR, shall have no moving parts and shall use Secure Digital (SDHC) media that can withstand up to g's while recording for maximum reliability. All operator controls shall be included on the touch screen. The DVR shall be capable of operating within the range of interior temperatures -40 Fahrenheit to +180 Fahrenheit without the need for supplemental heating or cooling. The DVR must be MIL810F approved and tested for durability.

- d. Eight (8) window mounted cameras shall have a 1/4" Super-HAD DSP image sensor with a resolution of 768X493, automatic digital image stabilization, auto-focus, automatic gain control and a minimum scene of illumination of 0.02 lux. The camera shall be compact as to avoid obstructing the users view.
- e. A compact color 5 inch touch screen monitor shall be provided with a minimum screen size of 5 inches. The monitor utilizes touch screen controls for all features of the video system. The monitor will include a button control to adjust the brightness of the touch screen as well as an On and Off switch.
- f. The officer worn wireless microphone must be capable of being turned on automatically when the DVR is triggered into the RECORD mode. The automatic wireless microphone system shall use a rechargeable battery and shall be capable of being recharged within the vehicle or with a separate charger located at Police Headquarters.
- g. The DVR shall have integrated into it the ability to scan driver licenses and barcodes make it future proof.
- h. The DVR shall include easily accessible port to accommodate the programming of unique user information through the use of a USB key without using the key to open the DVR door.
- i. The Digital In-Car Video System shall include all software, programming, cables and hardware required for installation use.

## **2. Digital Video Recorder – DVR**

- a. The in-car video system shall be a self-contained, solid-state digital video recorder that utilizes both the stable LINUX operating system and the MPEG2 recording standard for universal compatibility.
- b. Video shall record directly to SDHC Solid state memory. Moving hard drives or Compact Flash card file storage is not acceptable.
- c. The system recording capacity shall be expandable up to 136 hours.
- d. The recorder shall have a selectable pre-record feature of no less than 120 seconds.
- e. The system shall be capable of automatic wireless file download to a department server with 802.11n interface.
- f. The system shall be capable of 720 X 480 D1 record resolutions; 16bit, 48Khz Dual audio channel record capability w/integral speaker and volume control.
- g. The recorder shall have picture-in picture second rear seat camera.
- h. The DVR shall be capable of recording the department's choice of the following as on screen display:

Wireless Downloading icon

Speed  
Position – Longitude and Latitude  
Speed  
Officer Name  
Vehicle Number, Date  
Lights Brake  
Crash Sensor  
Record Trigger Source  
Auxiliary Interface (Radar)  
Event Tagging  
Marking Spots on Recording

- i. The DVR shall be able to engage recording automatically if the department has set a speed limit trigger on the DVR without any interaction from the officer.
- j. The recorder shall have a manual event-tagging feature; List selectable and firmware programmable. Such as DUI, Wanted suspect and so on. These event-tagging must be customizable to each department requirements.
- k. The interactive radar management shall include adjustable speed event triggering and display record overlay: Target, Patrol, Maximum Achieved Vehicle Speed and Target Lock.
- l. The DVR shall have "Marking Feature" on the touch screen. Mark as many points on the recording as you wish. Upon playback jump to the exact point in the video by using this feature.
- m. The recorder shall be capable of being connected to a Driver License reader that can read magnetic strip and bar code. It shall overlay on the video and display/recording magnetic bar code/2D ID data: Last, First, MI, Address, DOB, Hgt, Wgt, Hair, Eye, Gender and Expiration.
- n. The DVR shall have Over-Record Protection. Recorded Videos can be viewed but not edited.
- o. The DVR shall be firmware upgradeable in the field, without having to send the unit back to the manufacturer.
- p. The DVR shall be constructed with an all Aluminum chassis. A plastic chassis is unacceptable.
- q. The DVR shall have a lockable secure media compartment.
- r. The Complete DVR

### **3. Eight (8) Compact Low Light CCD Color Cameras**

- a. The camera housing shall be made solely of aluminum. The dimension shall be no larger than 1.9"H x 1.6"W x 3.2"L or in Millimeters 49H x 40W x 81L.

- b. The camera shall have a 1/4" Super-HAD DSP Image sensor with a resolution of 768 x 493.
- c. The camera shall have Metal back lit buttons for durability.
- d. The camera shall have automatic digital image stabilization, auto-focus and an automatic gain control.
- e. The minimum scene illumination of the camera shall be 0.02 lux.
- f. The camera shall have an automatic license plate zoom feature of at least 3 seconds.

#### **4. Compact Touch Screen Monitor**

- a. The recorder shall have a 5.0 inch resistive touch screen monitor.
- b. The compact LCD touch screen monitor shall provide all control for the video system as well as the brightness of the monitor.
- c. For covert operation, it shall be possible to operate the DVR with the touch screen monitor turned off.

#### **5. 2.4Ghz Wireless Microphone**

- a. The 2.4Ghz Wireless Microphone shall utilize bi-directional digital spread spectrum communications between itself and its associated transceiver, hereafter referred to as base unit, in order to send clear audio from the user back to the DVR, while providing bi-directional data and control path from the DVR to the wireless microphone.
- b. The 2.4Ghz Wireless Microphone shall be frequency hopping, to prevent eavesdroppers or overlapping of officers recordings.
- c. Any 2.4Ghz Wireless Microphone shall operate exclusively with any vehicle it is synchronized with.
- d. The 2.4Ghz Wireless Microphone shall allow the operator to remotely activate the DVR's RECORD mode.
- e. The DVR shall automatically activate the wireless microphone when the DVR is activated via the touch screen.
- f. When inserted into the charging cradle, the microphone will be synchronized with its base.

#### **6. Automated Wireless Downloading the server software**

- a. The server software shall run on any windows operating system from xp to windows 7.

- b. The server software must run in the browser.
- c. The server software must not use Microsoft SQL databases.
- d. The server software shall email notification to IT Department if it is not running correctly.

**REQUIREMENTS:**

**Real Estate and Personal Property Taxes:** No bid will be accepted or opened on any County contract if the vendor is listed on the last published list of delinquent real or personal property taxes in Kanawha County; however, the Commission will accept bids by vendors who provide satisfactory proof of payment of current taxes or a certification from the Sheriff that no taxes are due prior to submission of said bid.

**Required Forms:** Vendor shall complete and submit, or have on file with the County, a Vendor Registration and Disclosure Statement Form, No Debt Affidavit and IRS Form W-9. The forms are available at [www.kanawha.us](http://www.kanawha.us).

**Rejection of Bids:** The Dunbar Police Department reserves the right to reject any and/or all bids and to waive any informality in bidding.