

**ARKANSAS STATE HIGHWAY COMMISSION  
ArDOT - EQUIPMENT AND PROCUREMENT DIVISION  
BID INVITATION**

Bid Number: M-18-020P

**BID OPENING LOCATION:**  
AHTD Equipment and  
Procurement Division  
11302 West Baseline Road  
Little Rock, AR 72209

**MAIL TO:**  
AHTD Equipment and  
Procurement Division  
P.O. Box 2261  
Little Rock, AR 72203

**DELIVER TO:**  
AHTD Equipment and  
Procurement Division  
11302 West Baseline Road  
Little Rock, AR 72209

Bid Opening Date: November 14, 2017 Time: 11:00 a.m.

Sealed bids for furnishing the commodities and/or services described below, subject to the Standard Bid Conditions of this Bid Invitation will be received at the above-noted mail and delivery locations until the above-noted bid opening date and time, and then publicly opened at the above-noted bid opening location. **Bids must be submitted on this form, with attachments when appropriate, or bids will be rejected. Late bids and unsigned bids will not be considered.**

In compliance with this Bid Invitation and subject to all the Conditions thereof, the undersigned offers and agrees to furnish any and all items upon which prices are quoted, at the price set opposite each item.

Company Name: \_\_\_\_\_

Name (Type or Print): \_\_\_\_\_

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

Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Federal Tax ID or Social Security No.: \_\_\_\_\_

**Signature:** \_\_\_\_\_

Signature must be legible, original (not photocopied) and in ink.  
Unsigned bids will be rejected.

Item No.	Description	Quantity	Unit	Unit Price	Amount
1.	DVR In-Car Camera System to include five year extended warranty, system configuration and evidence management software.	70	Ea.		
2.	Officer Worn Body Camera System to include three year no-fault warranty, system configuration and evidence management software.	114	Ea.		

**All or None bids only will be considered.**

FOB: ArDOT – Arkansas Highway Police, 10324 Interstate 30, Little Rock, AR 72209

Contact for Technical Information: Clyde Crookham (501-569-2683)

Contacts for Bidding Information: Danny Keene (501-569-2674) or Chicita Pate (501-569-2675)

**All bidders should complete and return the Eligible Bidder Certification (Attachment A), Disclosure Form (see Page 2 of Standard Bid Conditions – Item 18) and Restriction of Boycott of Israel Certification issued with this bid. A current copy of the DFA Illegal Immigrant Contractor Disclosure Certification (see Page 2 of Standard Bid Conditions – Item 17) should also be submitted with bid. These forms are kept on file and remain current for one year from date of submission. Forms do not need to be submitted again, during that time, unless there is a status change.**

To meet the requirements of Arkansas Department of Transportation Specifications attached to and made a part of this bid.

**Bid Bond** in the amount of \$1,000.00 required of all bidders at time of bid opening or bid will be rejected. **Personal and company checks are not acceptable as Bid Bonds.** See Condition 4 on page 1 of Standard Bid Conditions.

**Performance Bond** in the amount of 5% of total bid price will be required of successful bidder prior to providing goods/services. **Personal and company checks are not acceptable as Performance Bonds.** See Condition 4 on page 1 of Standard Bid Conditions.

The successful bidder will be required to complete delivery within 45 days after award.

Bids and Specifications are available on-line by going to the AHTD Web Site – [www.arkansashighways.com](http://www.arkansashighways.com) and clicking on “Commodities and Services Bids/Contracts Information”. Tabulations will also be available at this site after award of bid/contract. If you have any questions, call this office at 501-569-2667.

(14-0384)

TOTAL BID

## ArDOT - STANDARD BID CONDITIONS

1. **GENERAL:** Any special terms and conditions included in the invitation for bid override these standard terms and conditions. The standard terms and conditions and any special terms and conditions become part of any contract entered into if any or all parts of the bid are accepted by the Arkansas Department of Transportation (ArDOT).
2. **ACCEPTANCE AND REJECTION:** ArDOT reserves the right to reject any or all bids, to accept bids in whole or in part (unless otherwise indicated by bidder), to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications where efficiency of operation will not be impaired, and to award bids to best serve the interest of the State.
3. **PRICES:** Unless otherwise stated in the Bid Invitation, the following will apply: (1) unit prices shall be bid, (2) prices should be stated in units of quantity specified (feet, each, lbs., etc.), (3) prices must be F.O.B. destination specified in bid, (4) prices must be firm and not subject to escalation, (5) bid must be firm for acceptance for 30 days from bid opening date. In case of errors in extension, unit prices shall govern. Discounts from bid price will not be considered in making awards.
4. **BID BONDS AND PERFORMANCE BONDS:** If required, a **Bid Bond** in the form of a cashier's check, certified check, or surety bond issued by a surety company, in an amount stated in the Bid Invitation, must accompany bid. **Personal and company checks are not acceptable as Bid Bonds.** Failure to submit a Bid Bond as required will cause a bid to be rejected. The Bid Bond will be forfeited as liquidated damages if the successful bidder fails to provide a required Performance Bond within the period stipulated by ArDOT or fails to honor their bid. When a bidder claims and can show clear and convincing evidence that a material mistake was made in the bid and was not the bid intended, the bidder may be permitted to withdraw their bid prior to award without forfeiture of bid bond. Cashier's checks and certified checks submitted as Bid Bonds will be returned to unsuccessful bidders; surety bonds will be retained. The successful bidder will be required to furnish a **Performance Bond** in an amount stated in the Bid Invitation and in the form of a cashier's check, certified check, or surety bond issued by a surety company, unless otherwise stated in the Bid Invitation, as a guarantee of delivery of goods/services in accordance with the specifications and within the time established in the bid. **Personal and company checks are not acceptable as Performance Bonds.** In some cases, a cashier's check or certified check submitted as a Bid Bond will be held as the Performance Bond of the successful bidder. Cashier's checks or certified checks submitted as Performance Bonds will be refunded shortly after payment has been made to the successful bidder for completion of all terms of the bid; surety bonds will be retained. Surety bonds must be issued by a surety company authorized to do business in Arkansas, and must be signed by a Resident Local Agent licensed by the Arkansas State Insurance Commissioner to represent that surety company. Resident Agent's Power-of-Attorney must accompany the surety bond. Certain bids involving labor will require Performance Bonds in the form of surety bonds only (no checks of any kind allowed). These bonds shall not only serve to guarantee the completion of the work, but also to guarantee the excellence of both workmanship and material until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled. In such cases, the company issuing the surety bond must comply with all stipulations herein and must be named in the U. S. Treasury listing of companies holding Certificates of Authority as acceptable sureties on Federal Bonds and as acceptable reinsuring companies. Any excess between the face amount of the bond and the underwriting limitation of the bonding company shall be protected by reinsurance provided by an acceptable reinsuring company. Annual Bid and Performance Bonds on file with E & P Division must have sufficient unencumbered funds to meet current bonding requirements, or the bid will be rejected, unless the balance is submitted as set forth above, prior to bid opening.
5. **TAXES:** The ArDOT is not exempt from Arkansas State Sales and Use Taxes, or local option city/county sales taxes, when applicable, and bidders are responsible to the State Revenue Department for such taxes. These taxes should not be included in bid prices, but where required by law, will be paid by the ArDOT as an addition thereto, and should be added to the billing to the ArDOT. The ArDOT is exempt from Federal Excise Taxes on all commodities except motor fuels; and excise taxes should not be included in bid prices except for motor fuels. Where applicable, tax exemption certificates will be furnished by the ArDOT.
6. **"ALL OR NONE" BIDS:** Bidders who wish to bid "All or None" on two or more items shall so stipulate on the face of bid sheet; otherwise, bid may be awarded on an individual item basis.
7. **SPECIFICATIONS:** Complete specifications should be attached for any substitution or alternate offered, or where amplification is necessary. Bidder's name must be placed on all attachments to the bid.
8. **EXCEPTIONS TO SPECIFICATIONS:** Any exceptions to the bid specifications must be stated in the bid. Any exceptions to manufacturer's published literature must be stated in the bid, or it will be assumed that bidder is bidding exactly as stated in the literature.
9. **BRAND NAME REFERENCES:** All brand name references in bid specifications refer to that commodity or its equivalent, unless otherwise stated in Bid Invitation. Bidder should state brand or trade name of item being bid, if such name exists.
10. **FREIGHT:** All freight charges should be included in bid price. Any change in common carrier rates authorized by the Interstate Commerce Commission will be adjusted if such change occurs after the bid opening date. Receipted common carrier bills that reflect ICC authorized rate changes must be furnished.

11. **SAMPLES, LITERATURE, DEMONSTRATIONS:** Samples and technical literature must be provided free of any charge within 14 days of ArDOT request, and free demonstrations within 30 days, unless ArDOT extends time. Failure to provide as requested within this period may cause bid to be rejected. Samples, literature and demonstrations must be substantially the same as the item(s) being bid, unless otherwise agreed to by ArDOT. Samples that are not destroyed will be returned upon request at bidders expense. Samples from successful bidders may be retained for comparison with items actually furnished.
12. **GUARANTY:** Unless otherwise indicated in Bid Invitation, it is understood and agreed that any item offered or shipped on this bid shall be newly manufactured, latest model and design, and in first class condition; and that all containers shall be new, suitable for storage or shipment and in compliance with all applicable laws relating to construction, packaging, labeling and registration.
13. **BACKORDERS OR DELAY IN DELIVERY:** Backorders or failure to deliver within the time required may constitute default. Vendor must give written notice to the ArDOT, as soon as possible, of the reason for any delay and the expected delivery date. The ArDOT has the right to extend delivery if reasons appear valid. If reason or delivery date is not acceptable, vendor is in default.
14. **DEFAULT:** All commodities furnished will be subject to inspection and acceptance by ArDOT after delivery. Default in promised delivery or failure to meet specifications authorizes the ArDOT to cancel award or any portion of same, to reasonably purchase commodities or services elsewhere and to charge full increase, if any, in cost and handling to defaulting vendor. Applicable bonds may be forfeited.
15. **ETHICS:** *"It shall be a breach of ethical standards for a person to be retained, or to retain a person, to solicit or secure a State contract upon an agreement of understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business."* (Arkansas Code, Annotated, Section 19-11-708).
16. **NOTICE OF NONDISCRIMINATION:** The Arkansas State Highway Commission, through ArDOT, complies with all civil rights provisions of federal statutes and related authorities that prohibit discrimination in programs and activities receiving federal financial assistance. Therefore, ArDOT does not discriminate on the basis of race, sex, color, age, national origin, religion (not applicable as a protected group under the Federal Motor Carrier Safety Administration Title VI Program), disability, Limited English Proficiency (LEP), or low-income status in the admission, access to and treatment in the ArDOT's programs and activities, as well as the ArDOT's hiring or employment practices. Complaints of alleged discrimination and inquiries regarding the ArDOT's nondiscrimination policies may be directed to Joanna P. McFadden Section Head – EEO/DBE (ADA/504/Title VI Coordinator), P. O. Box 2261, Little Rock, AR 72203, (501)569-2298, (Voice/TTY 711), or the following email address: [joanna.mcfadden@ardot.gov](mailto:joanna.mcfadden@ardot.gov). Free language assistance for Limited English Proficient individuals is available upon request. This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.
17. **PROHIBITION OF EMPLOYMENT OF ILLEGAL IMMIGRANTS:** Pursuant to Arkansas Code Annotated 19-11-105, all bidders must certify prior to award of a contract that they **do not** employ or contract with any illegal immigrant(s) in its contract with the state. Bidders shall certify online at <https://www.ark.org/dfa/immigrant/index.php>.
18. **DISCLOSURE:** Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that order, **shall** be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy **shall** be subject to all legal remedies available to the agency.

ATTACHMENT A

**ELIGIBLE BIDDER CERTIFICATION**

The Bidder represents and warrants for itself, its employees and its subcontractors and certifies they:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding thus Bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph two (2) of this Certification;
4. Have not within a one-year period preceding this application/Bid had one or more public transactions (Federal, State, or local) terminated for cause or default; and

The Bidder represents, warrants and acknowledges the understanding that restrictions placed on the employment of labor or on the scale of pay for the work on a contract will be the requirements of the Fair Labor Standards Act (Federal Wage-Hour Law) of 1938, 28 USC §201 et seq., and other applicable labor laws.

The person executing this Certification further represents, warrants and affirms the truthfulness and accuracy of the contents of the statements submitted on or with this Certification and understands that the provisions of 31 USC §3801 et seq. are applicable thereto.

\_\_\_\_\_

BIDDER NAME

BY: \_\_\_\_\_

Signature

TITLE: \_\_\_\_\_

## CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM

Failure to complete all of the following information may result in a delay in obtaining a contract, lease, purchase agreement, or grant award with any Arkansas State Agency.

SUBCONTRACTOR: \_\_\_\_\_ SUBCONTRACTOR NAME: \_\_\_\_\_

Yes  No

IS THIS FOR:

TAXPAYER ID NAME: \_\_\_\_\_  Goods?  Services?  Both?

YOUR LAST NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_ M.I.: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_ COUNTY: \_\_\_\_\_

**AS A CONDITION OF OBTAINING, EXTENDING, AMENDING, OR RENEWING A CONTRACT, LEASE, PURCHASE AGREEMENT, OR GRANT AWARD WITH ANY ARKANSAS STATE AGENCY, THE FOLLOWING INFORMATION MUST BE DISCLOSED:**

### FOR INDIVIDUALS\*

Indicate below if: you, your spouse or the brother, sister, parent, or child of you or your spouse is a current or former: member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee:

Position Held	Mark ( ✓ )		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and how are they related to you? <small>(i.e., Jane Q. Public, spouse, John Q. Public, Jr., child, etc.)</small>	
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Relation
General Assembly							
Constitutional Officer							
State Board or Commission Member							
State Employee							

None of the above applies

### FOR AN ENTITY (BUSINESS)\*

Indicate below if any of the following persons, current or former, hold any position of control or hold any ownership interest of 10% or greater in the entity: member of the General Assembly, Constitutional Officer, State Board or Commission Member, State Employee, or the spouse, brother, sister, parent, or child of a member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee. Position of control means the power to direct the purchasing policies or influence the management of the entity.

Position Held	Mark ( ✓ )		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and what is his/her % of ownership interest and/or what is his/her position of control?		
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Ownership Interest (%)	Position of Control
General Assembly								
Constitutional Officer								
State Board or Commission Member								
State Employee								

None of the above applies

## Contract and Grant Disclosure and Certification Form

*Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the agency.*

As an additional condition of obtaining, extending, amending, or renewing a contract with a state agency I agree as follows:

1. Prior to entering into any agreement with any subcontractor, prior or subsequent to the contract date, I will require the subcontractor to complete a **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM**. Subcontractor shall mean any person or entity with whom I enter an agreement whereby I assign or otherwise delegate to the person or entity, for consideration, all, or any part, of the performance required of me under the terms of my contract with the state agency.

2. I will include the following language as a part of any agreement with a subcontractor:

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this subcontract. The party who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the contractor.

3. No later than ten (10) days after entering into any agreement with a subcontractor, whether prior or subsequent to the contract date, I will mail a copy of the **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM** completed by the subcontractor and a statement containing the dollar amount of the subcontract to the state agency.

Signature _____	Title _____	Date _____
Vendor Contact Person _____	Title _____	Phone No. _____

Agency Use Only				
Agency Number _____	Agency Name _____	Agency Contact Person _____	Contact Phone No. _____	Contract or Grant No. _____

# RESTRICTION OF BOYCOTT OF ISRAEL CERTIFICATION

Pursuant to Arkansas Code Annotated § 25-1-503, a public entity **shall not** enter into a contract valued at \$1,000 or greater with a company unless the contract includes a written certification that the person or company is not currently engaged in, and agrees for the duration of the contract not to engage in, a boycott of Israel.

By signing below, the Contractor agrees and certifies that they do not boycott Israel and will not boycott Israel during the remaining aggregate term of the contract.

If a company does boycott Israel, see Arkansas Code Annotated § 25-1-503.

Bid Number/Contract Number	
Description of product or service	
Contractor name	

Contractor Signature: \_\_\_\_\_  
Signature must be hand written, in ink

Date: \_\_\_\_\_

## DIGITAL IN-Car/Body VIDEO SYSTEMS

These specifications are the MINIMUM standards allowed, and are to include mounting hardware, cables, and all necessary equipment for an installed and working system. In consideration of these specifications, the Arkansas Highway Police has taken into account court acceptance, staff involvement, storage, and hidden cost or lack thereof in setting the minimum standards. The system shall be equivalent or exceed the specifications of the Watch Guard Video System.

Item #	<b>DVR Specifications</b>	Meets Specification?	
		Yes	No
1	<b>High Definition Video Recording</b> - System record video at 1280x720 resolution (720P) with a 16:9 wide screen aspect ratio.		
2	<b>DVR Mounting</b> - The DVR may be mounted in a center console with a 2" faceplate adapter or also offer a universal bracket for mounting anywhere in the vehicle.		
3	<b>Dual Drive Architecture</b> - System must deploy dual-drive architecture to prevent video loss or tampering.		
4	<b>Multiple Video Transfer Mechanisms</b> - video transfer via 802.11n wireless, wired Ethernet, or USB Flash Drive (manual transfer) or a combination of all.		
5	<b>Automatic Transfer</b> - System should automatically transfer video the moment the vehicle is in range of the wireless network or connected to the wired network.		
6	<b>Partial Transfers</b> - System must support a vehicle driving off or losing its network connection during video transfer without losing any video. When the system reestablishes a network connection, the upload must resume.		
7	<b>Protected Events</b> - The DVR must protect the buffered version of the event until the server confirms receipt of the entire record event, regardless of the transfer mechanism.		
8	<b>Integrated Automotive Grade Hard Drive</b> - 200 gigabyte integrated automotive grade rotating hard drive or optional 64 gigabyte solid state drive. With a minimum shock tolerance of at least 200Gs and an operational temperature range of -40F to +185F degrees.		
9	<b>User Interface</b> – The system shall support a graphical user interface to access system settings, hard drive playback, and supervisor controls. No text based user interfaces shall be acceptable. System keys and buttons shall provide a tactile feedback and/or an audio feedback on key presses.		
10	<b>Selectable Officer Names</b> - Officer should be able to login to the system from a list for rapid login at shift changes. System shall be fully functional if the Officer fails to login.		
11	<b>LED, Touch Screen Display</b> - A touch screen liquid crystal display (LCD) that is no less than 4 inches (measured diagonally). The display with a resolution of at least 480x272, a typical brightness rating of at least 500 nits, a typical contrast ratio of at least 300:1, and a minimum viewing angle of 60 degrees left or right of center for a total of 120 degrees horizontally.		



Item #	DVR Specifications	Meets Specification?	
		Yes	No
12	<b>High Quality Audio Speakers</b> - Built in speakers on the remote display control panel for in-car video playback.		
13	<b>Optional Mobile Data Computer Interface</b> – Have the ability to interface with the vehicle's mobile data computer (MDC) with optional software provided by the vendor that allows the user to perform at least the following functions; login and logout, camera and microphone activation, record and stop, record event categorization and record event playback. Software support for Windows XP SP3 and Windows 7 (32 and 64 bit). Connection between the DVR and MDC shall be Ethernet. The application must support touch screen interface. The application shall not leverage the MDC for any processor intensive DVR tasks including, but not limited to video encoding and/or video conversion.		
14	<b>Optional Live Video Streaming</b> – Be able to output multiple video streams and optimized for LVS applications without requiring additional hardware and without sacrificing the system's ability to record 4 high resolution video streams.		
15	<b>LED Indicators for Audio, Video and Record</b> - LED activity indicators showing record, microphone, and camera operation.		
16	<b>System Power-Up Behavior Control</b> - Configurable to allow a supervisor to independently set the system to manually or automatically turn on or off with the vehicle.		
17	<b>System Shut Down Timers</b> - The system must have two independently configurable shutdown timers, selectable from 0 to 60 minutes each that begin after the ignition is turned off. Ignition Timer to delay the system's recognition that the ignition has been turned off. A low power state timer that allows video to transfer wirelessly and firmware upgrades to continue or shut the system immediately down if not.		
18	<b>Screensaver</b> - The system must have a screensaver setting that automatically turns off the LCD monitor after a pre-set amount of time. Any button push, record activation or touch screen press shall exit screensaver. Screensaver must also be able to be active only when the camera is configured for Night View and saved for each user independently.		
19	<b>Multiple Resolution Encoding</b> - The front camera must record in two resolutions at all times. One recording resolution at a minimum of 1280x720 (720P) and second recording resolution at a minimum of 864x480 (480P).		
20	<b>Critical Event Rules</b> - The system must be configurable to allow each Event Category to be saved in either the maximum or standard resolution. With an average file size of approximately 1 gigabyte per hour. Approximately 7% of our agency's recordings will be kept at maximum resolution.		
21	<b>DVR-Side Event Rules</b> - Standard or maximum resolution (based on the Event Category Rule) will be complied within the DVR so that the un-needed version is not transferred to the server. This will optimize both video storage on the server and video transfer speeds. Any system that uploads 100% of video in High Definition will not be considered.		

Item #	DVR Specifications	Meets Specification?	
		Yes	No
22	<b>H.264 Compression</b> - The system must compress all video with H.264 High Profile (not Baseline or Main).		
23	<b>Adjustable Pre and Post Event Recording</b> - Be capable of automatically capturing and appending both pre-event and post-event video for as little as 15 seconds and up to 10 minutes per event. These settings are to be independently adjustable and restricted by a supervisor. Pre- and post-event times must be continuous with the record event. Systems that record pre- and post-event times onto separate video events will not be acceptable.		
24	<b>Simultaneous Record and Playback</b> - Be able to playback previously recorded video while simultaneously recording new video on two cameras and two microphones simultaneously.		
25	<b>Disc Usage Meter and Low Disc Warnings</b> - The system shall have 2 on-screen Disc Usage Meters that graphically show the user how much video is on the current USB Flash Drive and the internal Hard Drive along with how much space remains. Additionally, the system shall have audible and visual warnings when the drive is nearing its capacity.		
26	<b>Automatic Video Overflow Handling</b> - When a USB Drive fills to video capacity during a recording, the system will automatically store overflow video on the integrated hard drive until a new USB Drive is inserted. The system shall be capable of “overflowing” at least 5 USB Drives worth of Video.		
27	<b>Covert Recording</b> - To allow the user to covertly record, the system shall have the ability for the user to quickly disable the system’s screen and LED indicators while automatically activating all audio and video recording.		
28	<b>Crash Detection</b> - A 3-axis, solid-state crash detection sensor that is adjustable to different G Force impact levels. In order to prevent improper installation, the sensor must be factory integrated into the DVR enclosure. Settings must be provided through the system’s graphical menu to allow the agency to choose an appropriate crash sensor sensitivity level in order to minimize false crash detections.		
29	<b>Record Triggers</b> - The emergency lights, siren, auxiliary input, wireless microphone, vehicle speed, and crash detection sensor may all be programmed to automatically activate a new record event.		
30	<b>Event Categorization</b> - System must allow record events to be categorized via the on screen menu. Categorization selections must be administratively configurable and allow selection via a pre-defined list, numeric text, or alphanumeric text input.		
31	<b>Programmable Event Categories</b> - System must allow the agency to program up to six different event category prompts in order to collect data deemed relevant regarding each record event. Event prompts must display automatically after each event recording has been stopped by the Officer. Prompts must not preclude the system from continuing to record video to its buffer.		
32	<b>Recorded Metadata</b> - Record event metadata including but not limited to event category, date, time, officer name, record status, microphone status, emergency lighting status, brake status, GPS coordinates, etc. for fast searching and video navigation.		

Item #	DVR Specifications	Meets Specification?	
		Yes	No
33	<b>Auto Stop</b> - System must have a means of detecting when the system is inadvertently left in record mode. The system must allow an option to prompt the user or automatically stop the record event.		
34	<b>Record-After-the-Fact</b> - System must have a graphical user interface for recording any portion of the hard drive buffer (events and non-events) as a new recording. This feature must allow the agency to go back at least 45 hours to capture video not previously recorded.		
35	<b>Multiple Camera Support</b> - Must support a minimum of two (2) cameras with the ability of supporting up to six (6) cameras. Users must be able to activate up to all six (6) of the cameras to record simultaneously through the system's graphical menu. All cameras selected must have the ability of being displayed on the systems display simultaneously while also providing the user with the ability to isolate anyone of the camera images without disrupting the recording of the other cameras. LED indicators for each camera/video stream shall be present and illuminate when its corresponding camera/video stream is active.		
36	<b>Multiple Video Stream Support</b> –Be capable of creating six (6) separate video streams simultaneously, including: one 720p H.264 HP stream, one 480p H.264 HP stream, two D1 H.264 HP streams, and two output streams optimized for low bandwidth LVS applications.		
37	<b>High Definition Front Camera</b> – The front camera shall be capable of recording video in multiple resolutions, including 1280x720 (720P) High Definition.		
38	<b>Ultra-Wide Dynamic Range Camera</b> – The front cameras that utilize dual exposure technology to create an optimally exposed image under all lighting conditions and eliminate any need for a manual backlight compensation mode to compensate for backlit conditions (i.e. dusk or dawn).		
39	<b>Camera LUX Rating</b> - Cameras must be 0.85 LUX or better when operating with normal video settings (measured in full color mode, 30 frames per second, and a shutter speed of 1/60th of a second). LUX ratings that claim 0.85 LUX or better only when operating with non-standard camera settings (like IR modes, slow shutter modes, or reduced frame rates) will not be considered.		
40	<b>Panoramic Camera</b> –Include one compact camera housing that has two high definition cameras built in: a 138° Panoramic Camera and a 68° main forward facing camera. The camera housing must mount behind the rearview mirror to provide minimal interference with a user's line of sight while driving.		
41	<b>Optional Zero Sightline Camera</b> –Include a compact camera that has no interference with a user's line of sight while driving. It must be able to be neatly installed behind the rearview mirror. This camera must have the capability of recording high definition video with a 16:9 aspect ratio and 68 degree field of view.		
42	<b>Optional Zoom Camera</b> – The system shall have the option to upgrade to a zoom camera capable of a total zoom of at least 12x optical zoom. It shall be capable of recording high definition video with a 16:9 aspect ratio and 57 degree field of view.		

Item #	DVR Specifications	Meets Specification?	
		Yes	No
43	<b>Camera Controls</b> - The front zoom camera must have backlit controls on the camera back for auto-zoom, zoom in, zoom out, auto-focus, focus far and focus near. All camera controls must also be accessible using the system's touch screen control panel with the addition of the following controls: backlight compensation and night view mode.		
44	<b>Backseat Camera</b> - Be a high resolution color camera with at least 420 TV lines of resolution and provide at least 1 LUX sensitivity without the aid of IR lights and the ability to record in total darkness with the aid of IR lights. Black & White cameras shall not be acceptable. Bid price must include a color backseat camera.		
45	<b>Nighttime Optimization</b> - The camera's nighttime optimization setting (Night Mode) must engage and disengage automatically by the DVR without any user intervention in order to eliminate the possibility of the user forgetting to enable Night Mode.		
46	<b>Separate Audio Channels</b> - In order to isolate the audio during playback between the wireless microphone(s) and the cabin microphone using a standard left/right stereo fader control, the system shall record the audio tracks separately onto the left or right channel. One wireless microphone and one cabin microphone must be standard with the option to upgrade to a second wireless microphone. All microphones must be recorded on separate channels.		
47	<b>Simultaneous Audio Recording</b> – Both the main wireless microphone and cabin microphone audio recording sources must be able to record regardless of what cameras are being recorded. If a second wireless microphone is added to the system, there must be independent control of each microphone through the different video streams.		
48	<b>High Fidelity Wireless System</b> –Include a High Fidelity 900MHz wireless microphone system consisting of a belt pack transceiver and a single charging / synchronization base mounted in the vehicle with the option of adding a second High Fidelity 900 MHz wireless microphone system. The wireless microphone(s) must have near CD audio quality, a 1 to 2 mile line of sight range, and building penetration capabilities.		
49	<b>High Fidelity Wireless Transceiver</b> – The belt pack transceiver must have a lithium polymer rechargeable battery. The transceiver must have its primary audio pick up and antenna built into the transmitter so full operation is possible without a wired lapel microphone or external antenna. Systems with external antennas will not be acceptable as to the risk of restricting officer movement or causing damage to the antenna due to officer activity.		
50	<b>Multi-Mode Transceiver Alerts</b> - Transceiver shall allow the user to set the transceiver's alert mode to accommodate all tactical environments. Alert modes shall include: Beep Only, Beep and Vibrate, Vibrate Only, and Silent.		
51	<b>Variable Transmit Power</b> - In order to produce the longest battery life, the transceiver shall utilize automatic Variable Transmit Power so only necessary transmitting power is used. When needed however, the Transceiver shall automatically transmit at the FCC's maximum allowable power of 50 milliwatts.		
52	<b>Automatic Microphone Activation</b> - The wireless microphone(s) must have the ability to trigger the camera to record, and the camera system must be able to automatically turn on the wireless microphone(s) when the recorder is activated.		

Item #	DVR Specifications	Meets Specification?	
		Yes	No
53	<b>Charging / Synchronization Base</b> - Each wireless microphone shall include a single in-car charging / docking base that automatically synchronizes the communication link when the belt pack transmitter is docked into the base. The Base must also have LED indicators for “charging” state and “in-use” state. Systems with separate charging and synchronizing bases will not be acceptable as this will increase the amount of equipment that needs to be installed in the vehicles.		
54	<b>Microphone Power Management</b> - To simplify installation, the charging/docking station must draw power from the video system, and does not require running additional power cables from the vehicle's electrical system. In addition, when the system is turned off, it must automatically cut power to the Charging Base after allowing the wireless transceiver to fully charge in order to minimize power drain on the vehicle's battery.		
55	<b>Unique Synchronization</b> - Any wireless transmitter(s) shall be capable of synchronizing to any base via the docking cradle which will disable any previously docked transmitter.		
56	<b>40 Digital Channels</b> - The wireless recording system shall consist of 40 individual channels to avoid multiple systems at the same incident recording on another system.		
57	<b>Cabin Microphone</b> - Each system must include an internal cabin microphone that will record on a separate sound audio channel from the wireless microphone system when activated. This microphone must be amplified in order to clearly pick-up even the faintest of conversations. Additionally, this microphone must be wired and extendable so that it may be installed in an optimal location for any type of vehicle.		
58	<b>Charging and Talk Time</b> - The wireless microphone transceiver with low battery shall become fully charged within 2.5 hours of being placed in the charging station and provide a quick charge feature, which after ten (10) minutes of charging provides 50% battery life. When in-use, the wireless transceiver shall allow for up to 30 hours of continuous talk time and up to 25 days of standby time.		
59	<b>No Deleting or Overwriting of Video Shall be Possible by operator</b> - To guarantee data security and integrity, the system shall be able to ensure that the user cannot delete, edit, or erase video data from either the hard drive buffer or the USB Flash Drive.		
60	<b>Supervisor Controls</b> - Provide the ability to restrict access to any and all settings by way of supervisor passwords. Multiple supervisors and supervisor passwords must be supported.		
61	<b>Media Security</b> - Access to the USB Flash drive must be secured by a lock to protect from unauthorized access.		
62	<b>Video Authentication</b> - Video must be subjected to a 128-bit MD5 hash prior to being transferred from the DVR to the Server. Every file transfer from then on must include another hash of the file so that the results can be compared and logged each time the file is moved. The results of every hash must be logged and accessible and exported with each record event.		

Item #	DVR Specifications	Meets Specification?	
		Yes	No
63	<b>Video Review Access Permissions</b> - The system must allow the agency to restrict video review access in the car. This must not be a single setting that locks out video review altogether. Officers must be able to review their own video. However, with Supervisor or Administrator privileges (configurable) the agency shall be able to review all video buffered on the hard drive.		
64	<b>Cables</b> - The system will include cables necessary for a complete vehicle installation including all power cables, all vehicle system input cables, etc.		
65	<b>GPS</b> - Offer the capability of maintaining the location of the patrol vehicle by Global Positioning System (GPS). When installed, the system shall be able to show vehicle coordinates and speed in the on screen text and recorded meta data. Additionally, GPS shall allow the system to automatically and continually update its date and time to ensure accuracy across the fleet.		
66	<b>Five Year Warranty</b> - Warranty shall be a minimum of five (5) years from the date of shipment.		

Item #	Body Camera Specifications	Meets Specification?	
		Yes	No
67	<b>Video Recording Resolution</b> - Camera must record High Definition video at a resolution of 1280x720 (720P) with a 16:9 wide screen aspect ratio. Camera must also be able to record Standard Definition video at a resolution of 864x480 (480P) with a 16:9 wide screen aspect ratio.		
68	<b>Camera Mounting</b> - Be able to be mounted to the uniform using a secure mount that is attached by both magnets and pins to the uniform and can be attached to the right or left side just below the shoulder. The camera must also have additional mounting options including a rotating shirt clip and duty belt clip.		
69	<b>Video Storage</b> – Camera must have internal storage of 32GB of solid state storage.		
70	<b>Battery Life</b> – Camera must have the capability of recording in the highest quality setting for at least 9 full hours.		
71	<b>WiFi and GPS</b> –Offer an optional version with integrated WiFi and GPS. GPS must provide camera with time and date information. GPS equipped unit must also embed video with synchronized playback data so multiple video may be played back simultaneously, and within 200 milliseconds of one another.		
72	<b>Mobile App</b> – Camera must support an optional iOS Mobile Application which connects to the camera with WiFi to support full frame playback of events. Mobile app must also support live view and event categorization.		
73	<b>Pre-Event Timer</b> – Camera must support settings of off (disabled) up to 2 minutes of pre-event time allowing video to be added to the beginning of every recording. Pre-event time must be silent by default, but administratively configurable for audible pre-event.		

Item #	Body Camera Specifications	Meets Specification?	
		Yes	No
74	<b>Record-After-The-Fact</b> – Have the ability to retrieve an event that did not allow an officer to push record in a timely fashion. Record-After-The-fact must be enabled only with administrative access and by default be silent video. Record-After-The-Fact must allow for recovery up to at least 3 hours after the incident occurred.		
75	<b>Video Transfer and Charge Mechanism</b> – Camera must use a USB connected Docking Base to charge and transfer video to the back office application.		
76	<b>Video Transfer Speed</b> –Be capable of transferring video from the USB base to a PC at a speed of two minutes per GB of data or faster.		
77	<b>Automatic Transfers</b> –The ability to be connected to a USB base and have the video transfer begin automatically without requiring any further actions by the user. Additionally, if the camera is powered off or the battery is dead, the USB base must power it on and automatically initiate the transfer process.		
78	<b>Multi-Bay Transfer Station</b> –Must support an optional multi-bay transfer station with a minimum of 8 docking bays. Transfer station must connect directly to the agency network using a 1Gbps Ethernet connection and support the simultaneous download of 8 concurrent cameras.		
79	<b>Backlit LCD Screen</b> –Have a backlit LCD screen to display: battery condition, memory space used and available, number of recordings, incident categories, current recording duration current time/date and assigned officer.		
80	<b>Selectable Officer Names</b> – Camera must include a simple method for checking out a camera to an officer and then visibly displaying the name of the officer on the backlit LCD screen.		
81	<b>Event Categorization</b> – Camera must include the ability to categorize events directly on the camera without the need for a connection to a separate device like a smartphone or computer.		
82	<b>One Button Record</b> –Be able to be activated by pressing one button and then using that same button to stop the recording.		
83	<b>Automatic Activation</b> – GPS and WiFi equipped camera must support activation from vehicle +12volt sources such as the vehicle light bar.		
84	<b>In-Car Video Integration</b> – Must support full integration with the in-car video system. Body worn camera must remove the need for a wireless microphone by providing the audio for the in-car system during synchronized playback with the in-car video recordings. The body worn camera must also provide an additional camera view for the in-car video system and automatically inherit event properties, including: officer name, event category, case number, etc.		
85	<b>Distributed Multi-Peer Recording</b> – GPS and WiFi equipped camera must support intelligent WiFi link between in-car video systems and other linked body worn cameras so that each is aware of the recording status of the others so that if any camera is activated to record, the others being aware of its status will also begin recording. A minimum of 5 body cameras must be able to be linked to an in-car video system using a single docking base and allowing a group recording to be initiated from any device.		

Item #	Body Camera Specifications	Meets Specification?	
		Yes	No
86	<b>Covert Mode</b> –Be able to be placed in covert mode by the officer. Cover mode must mute all sound and notifications as well as turn off all lights.		
87	<b>Warranty</b> - Warranty shall be a minimum of one (1) year from the date of shipment, with an optional no fault warranty covering all accidental damage for a period of three (3) years. The warranty must cover the battery.		

Item #	Software Specifications	Meets Specification?	
		Yes	No
88	<b>Back Office Server Software</b> - Bids must show pricing for the back-office server software. Server software must be Windows Server 2008 R2 64-bit / Windows Server 2012 / 2012 R2 compatible and utilize Microsoft SQL Server 2008 R2 Standard / Microsoft SQL Server 2012 for its database backend.		
89	<b>Client Web Application</b> - Support a client application that runs in common modern browsers such as Internet Explorer, Edge, Chrome, and Safari.		
90	<b>Device Management</b> - System must push configurations and firmware upgrades wirelessly and without any user intervention in the car. Settings must be group based to allow a single setting change to affect a large number of cars instantly.		
91	<b>Firmware Upgrades</b> - Once pushed to the in-car DVR wirelessly or through a USB device, DVR firmware upgrades must occur without any user intervention in the car.		
92	<b>Security Management</b> – Must have the ability to integrate with Active Directory. System must have fully customizable user and group based permission that allow administrators to tailor each user's ability to use the system. Specific permissions must be able to allow access to; login and view one's video, other's video, restricted video, export video, evidence management, security management, fleet management, edit event data.		
93	<b>Evidence Management</b> - Allow evidence to be deleted or archived automatically on a schedule or manually according to customizable retention period.		
94	<b>Metadata Playback Graph</b> - Allow a full time lined metadata playback graph that graphically shows the status of all vehicle inputs, including speed, radar and braking information so that crucial times of the event may be easily identified during playback.		
95	<b>Export Playback</b> - When exporting video, the system must automatically include a standalone playback application to be included with the exported video. When used on another computer, the playback application must run solely from the export media (DVD, USB, etc.) and not require any software installation on the local playback computer. Video must also be accompanied by a full audit log showing every time the event was moved, reviewed, or exported with full MD5 hash verification data.		
96	<b>Client Playback Buffering</b> - Have a built in buffering scheme so that playback from a client begins as soon as the event has downloaded enough of a buffer to begin playback. Systems that require the full event be cached locally before playback initiates will not be considered.		



Item #	Software Specifications	Meets Specification?	
		Yes	No
97	<b>Export Video Anywhere with Permission</b> - Allow the video to be exported by a user with the appropriate permission from any client computer. Systems that allow exporting video from only a single workstation will not be considered.		
98	<b>Integrated Case Management</b> – Software must have Case Management functionality for the purpose of managing other types of digital media/evidence. Cases must be able to be created as part of a record event from the in-car video system or completely independent of a record event.		
99	<b>Record Event Trimming Feature</b> – Software must support the ability to trim video for the purpose of removing part of the video file by trimming the beginning and/or end portions of the event. The trimmed file must be saved as a new file in order to preserve the original file.		
100	<b>File Conversion Options</b> – Software must support the ability to convert the in-car video native files into the following formats: MP4, MP2, AVI and WMV.		
101	<b>DVD Robot Support</b> – Software must natively support the ability to interface with both a standard DVD Robot and Blu-Ray DVD Robot without the need for additional modules or software.		
102	<b>Built-in Support for Live Video Streaming</b> – The DVR must have built in support for Live Video Streaming without requiring additional or different hardware from the manufacturer.		
103	<b>Video Storage and Sharing</b> –Have the ability to be installed on premise and have video stored on premise with the option of using the Cloud for sharing video and cases with intended recipients. The agency must be able to control which e-mail addresses and or domains are allowed to be sent links to shares, how long the shares are available for, the type and security of the share and the ability to remove the share at any time. All information stored in the Cloud for sharing purposes must be stored in a government secure data center. Additionally, the audit log for the video should maintain an audit trail for the video when it is exported to the Cloud and when it is viewed or downloaded by the recipient.		
104	<b>Body Worn Camera Integration</b> – Must support full integration with the body worn camera video system. Body worn camera must remove the need for a wireless microphone by providing the audio for the in-car system during synchronized playback with the in-car video recordings. The body worn camera must also provide an additional camera view for the in-car video system and automatically inherit event properties, including: officer name, event category, case number, etc.		

Upon request of the agency, a working demonstration shall be provided by a representative of the bidder or by delivery of a sample unit to the agency within 15 working days of the written request. Any and all cost related to this demonstration shall be incurred by the bidder.

Final determination of any purchase will not be exclusively on price. Factors that may be considered are price, ease of installation, interface options, service, warranty, ease of programming, ease of use for the officer with intuitive graphical menus, options, manufacturing support, and other areas determined by the agency.

