

Bid Specifications

Firearms/Toolmarks HD Digital Video imaging system

Quantity 1

I. Statement of Purpose

The Alabama Department of Forensic Sciences (ADFS) is seeking to purchase “state of the art” High Definition (HD) digital video imaging system to upgrade an existing forensic firearms/toolmarks comparison microscope that is used for the imaging of projectiles, cartridge cases and toolmarks in forensic cases within the State of Alabama. This request for bid (RFB) has been issued by ADFS in an effort to obtain bids from qualified vendors for the purpose of purchasing and installation of a HD digital video imaging system. This High Definition (HD) digital video imaging system is to be installed and delivered to the Montgomery ADFS Laboratory.

Vendors will submit cost proposals on a line item per category basis for each of the following:

- A. Pricing for HD digital video imaging system and installation
- B. Pricing for one-year warranty on parts and labor
- C. Pricing for delivery F.O.B. destination and the price to include delivery, set-up, installation, and transportation charges for one (1) system

Responses to this proposal submitted by vendors will be evaluated for technical merit in addition to financial viability in an effort to achieve the best value for the State of Alabama. Product literature must be included with each bid packet, which allows for evaluation of instrument specifications and operation. The failure of any vendor to include any information that is requested within this RFB may lead to rejection of the bid for non-responsiveness. By responding to this proposal, a vendor attests that it is capable of providing the requested technology immediately upon award.

II. Operational Specifications

The following are the mandatory requirements and operational specification to be employed by the vendor regarding the requested instrumentation.

- A. The vendor must have a minimum of five (5) years' experience representing the proposed instrumentation in order to insure adequate experience with the requisite technology. Instrumentation may include superseding models of similar devices.

- B. The vendor must provide on-site training to ADFS personnel in the setup, operational and technical functions of the requested instrumentation. This training is to proceed at each laboratory location following installation of instrumentation.
- C. The vendor must provide timely non-user-conducted instrumentation service and support as needed to maintain overall operational function. The quality of service and support must be such that the vendor cannot have been deficient in providing similar service and support for similar type instrumentation previously purchased by the State of Alabama. Such deficiency may be exemplified by routine instrument unreliable operation and/or specific exclusion of use of such instrumentation in laboratory analyses due to such unreliability of operation.

III. Technical Specifications

The following are the mandatory requirements and technical specifications for HD digital video imaging system and must include delivery, installation, setup and warranty.

This High Definition (HD) digital video imaging system must include the following:

- A. High Definition Video Camera system HDC-x300 3-CDD or better
 - 1. With three (3) ½” interline transfer CCD image sensors
 - 2. 1440 x 1080 pixels providing 1920 x 1080p resolution
 - 3. Outputs RGB-HD or HDSDI video via D-sub 15 pin connector
 - 4. Provides 800 lines of NTSC video resolution at 30 frames per second
 - 5. ENG mount
 - 6. External power supply and all connection and control cables
- B. High Definition Video Control Hardware and Software
 - 1. Must integrate automated microscope, HD digital video camera and software into a common platform
 - 2. Provide camera control and live video output via included frame grabber
 - 3. File save of full resolution image in selectable BMP, TIFF or JPEG 2000 format
 - 4. Allows multiple camera configurations to be named and saved for reproducible results
 - 5. Accepts optional modules for extended functionality
 - 6. Compatibility with existing Iconico measuring software
- C. High Definition Video Control Soft Ware (Measure/Annotate Bundle)
 - 1. Allows Calibrated Point-To-Point Measurements in selectable units
 - 2. Provides multiple, independent text annotations to be stored with image
- D. High Definition Video Control Soft Ware (Movie Clip)
 - 1. To allow capture and storage of full motion movie clips
 - 2. Selectable lossless H.264 / MPEG 4 or compressed MPEG 2 files
- E. Computer to run Digital Video software (DELL Precision T3400 or better)
 - 1. Mini-tower chassis configuration w/ Intel Core2 Duo E7300 processor (2.66 GHz/1066 MHz, 375 watt or better)
 - 2. MS Windows XP Professional SP3 operating system
 - 3. 2GB, 667MHz DDR2 SDRAM memory or better
 - 4. 500 GB SATA hard drive minimum

5. 16x DVD+/-RW read write device
 6. nVidia 256 dual monitor display adapter or better
 7. External speakers, optical mouse with scroll, internal USB card reader, resource CD
 8. Separate Monitor for computer
- F. Wide-Screen Flat Panel LCD monitor, 30 inch or better
1. LCD TV/Monitor, 30 inch 16:9 format
 2. 1920 x 1200 native resolution
 3. Contrast ratio: 3000:1
 4. Input signals: DVI-D, VGA
 5. Input connectors 15pin D-sub and DVI-D
- G. SONY 3 CCD .6x Coupler or better

IV. Warranty and Service

Vendor will have a full time service engineer or technician that will be accessible via a toll free number for service calls to Users' facilities. The quality of the service and support must be such that the vendor cannot have been deficient in providing similar service and support for similar type instrumentation previously purchased by the State of Alabama. Such deficiency may be exemplified by routine instrument unreliable operation and/or specific exclusion of use of such instrumentation in the laboratory analyses due to such unreliability of operation.

V. Shipping Locations:

Alabama Dept of Forensic Sciences
Montgomery Laboratory – FA/TM section
525 Carter Hill Road
P O Box 4248
Montgomery, AL 36106