

## Specifications

### Urology Scope System Replacement

#### Background

The Urology department at the Minneapolis VAHCS provides surgical patient care services for its veterans. In order to provide surgical services, complex systems and equipment need to be available for use.

#### Scope

The Minneapolis VAHCS is procuring a new urology scope system to include cystoscopes, ureteroscopes, towers and other equipment that will be utilized by the Urology department.

#### Equipment Requirements

The contractor shall provide all of the following equipment:

- Cystoscopes
  - o Quantity of **30**
  - o Must be digital
  - o Flexible video cystoscopes
  - o 16 Fr. Sheath size
  - o Minimum 36 cm working length
  - o 6.5 Fr. Working channel
  - o 210°/140° deflection
  - o A sealable case shall be provided for each cystoscope
- Ureteroscopes
  - o Quantity of **15**
  - o Must be digital
  - o Flexible video ureteroscope
  - o 8.5 Fr. Sheath size
  - o Minimum 67.5 cm working length
  - o 3.6 Fr. Working channel
  - o 270°/270° deflection
  - o A sealable case shall be provided for each ureteroscope
- Processor (Quantity of **6**)
  - o There shall be an image enhancement solution for the studies completed
    - Overall menu that shows information about current settings
    - Ability to modify device and camera settings from menu
    - (Must be capable of customizing for at least five (5) users)
  - o Main base that connects to modules
  - o Keyboard for system use
  - o Module capable to connect/process flexible video endoscopes
  - o Module capable to connect/process camera heads
  - o All necessary adapters and cables for the scopes and camera heads
  - o Minimum two (2) year warranty on modules
- Camera Head (Quantity of **4**)
  - o Image sensor; 3 x 1/3"
  - o Image format 16:9
  - o Progressive scanning
  - o Image refresh 50/60 Hz
  - o Minimum light sensitivity F 1.4/1.17 Lux
  - o Focal length: 15-31 mm
  - o Dimensions (LxHxW) in mm: 100 x 48 x 38

- Maximum Weight: 9.52 oz
  - Minimum two (2) year warranty on camera heads
  - A sealable case shall be provided for each camera head
  - Must be capable of contrast study use
  - Light source, application, and insufflator control from the camera head
- Camera Head (Quantity of **6**)
    - Image sensor; 3 x 1/3"
    - Image format 16:9
    - Progressive scanning
    - Image refresh 50/60 Hz
    - Minimum light sensitivity F 1.4/1.17 Lux
    - Focal length: 15.6 mm
    - Dimensions (LxHxW) in mm: 88 x 47 x 35
    - Maximum Weight: 8.0 oz
    - Minimum two (2) year warranty on camera heads
    - A sealable case shall be provided for each camera head
    - Light source, application, and insufflator control from the camera head
- Light Sources (Quantity of **6**)
    - 300 W, Xenon light source
    - All necessary adapters between the light source and various cables
    - Must be controllable from camera head
- Monitors (Quantity of **4**)
    - Monitors will be utilized on the four video carts
    - 26" LED monitor
    - 16:9 aspect ratio
    - 1920x1080 resolution
    - High definition
    - 100-240 VAC, 50/60 Hz power supply
    - Contractor shall provide a screen protector for each of the monitors
- Printers (Quantity of **6**)
    - Printers will be utilized on the video carts and office carts
    - UPDR80 medical grade printer
    - Printer should easily fit on the video and office carts
- Video Carts (Quantity of **4**)
    - Articulating arm
    - 3 shelves
    - 3.5" drawer
    - Full door
- Office Carts (Quantity of **2**)
    - T-post
    - Keyboard tray
    - 3.5" drawer
    - One shelf
- Documentation System (Quantity of **6**)
    - Contractor shall provide a high-definition image quality system for capture of video sequences, still images and audio files
    - At a minimum, five (5) Individualized settings
    - Touch screen interface
    - -
    - Direct print capability
    - Video Systems: PAL, NTSC
    - Signal Inputs: S-Video (Y/C), Composite, RGBS, SDI, HD-SDI, DVI

- Image formats: JPG, BMP
  - Video formats: MPEG4, MPEG2, MOV
  - Audio formats: WAV
  - Storage Media: DVD±RW, DVD±R, CD-R, CD-RW
  - Audit capability
  - Capable of being placed on the network
- Overall System
    - Modular design for ease of installation and future upgrade
    - Pre-case dashboard screen for clinician functionality review
    - Teaching capabilities to be controlled by the clinician
    - Parfocal zooming – Images quality will remain even when it is zoomed
- Mobile Video Cystoscopes (Quantity of 2)
    - Mobile cystoscope solution should be capable of providing digital images
    - Integrated LED light source, a separate light source should not be needed
    - Integrated camera, a separate camera should not be needed
    - Rechargeable Lithium ion battery
    - USB port
    - HDMI port
    - Maximum 7" flat panel monitor
    - 16 Fr. Sheath size
    - 37 cm working length
    - 6.5 Fr. Working channel
    - Pole mounting clamps for each solution
    - Minimum two (2) year warranty on monitors and clamps
- Warranty
    - Contractor shall provide a warranty of, at a minimum, one (1) year unless stated otherwise in the Statement of Work.
- Training
    - Contractor shall provide go-live training to all fifteen Urology surgical clinical staff and arrange this with clinical personnel to ensure training times meet the facility's needs. Training shall be coordinated with the point of contract at the Minneapolis VAHCS. Training shall be scheduled during normal business hours, Monday through Friday.
    - Continuous online education for staff credentialing at no additional cost
    - Contractor shall provide go-live technical training to two (2) biomed staff. Training shall be coordinated with the point of contact at the Minneapolis VAHCS. Training shall be scheduled during normal business hours, Monday through Friday.

### **Delivery & Installation**

Contractor shall have the equipment delivered to the Minneapolis VAHCS, One Veterans Drive, Minneapolis, MN 55417. Contractor shall coordinate a delivery during normal business hours, with the approval of the on-site Point of Contact.

Contractor shall dispose of all waste. The disposal must be in a contractor provided dumpster or taken off-site to dispose.

Contractor shall install and prepare the equipment for clinical use.

### **Place of Performance**

The selected vendor shall provide equipment to the Minneapolis VA Health Care System. The address is One Veterans Drive, Minneapolis, MN 55417