

UPDATED - Functional Requirements for Radiology Ultrasound-Sioux Falls VAHCS: This ultrasound will be used for the following clinical applications: General-purpose, abdominal, small parts, guidance for interventional procedures, and vascular.

Technical Requirements:

1. Capable of processing multiple data stream simultaneously built for 2D, 3D, MPR
2. All imaging modes available on a single transducer
  - a. 2D
  - b. 3D (freehand and automatic)
  - c. Harmonic Imaging
3. Doppler Displays
  - a. Frequency
  - b. Velocity
  - c. Power
  - d. Duplex
  - e. Triplex
4. Digital Calipers
5. Selectable dynamic range
6. Adjustable transmit focus
7. Dynamic receive focus
8. Pan/Zoom
9. Minimum monitor 20 inches
10. Split screen
11. Image Storage
12. One-button image optimization
13. One button equalization of Doppler
14. Programmable protocols
15. 3 active transducer ports
16. Bi-Directional scanning capability

Transducers/ Probe Types

1. Linear array (L9, L12) for vascular & small parts
2. Convex/curved for abdominal & interventional
3. Phased Array
4. Multi-frequency

Analysis Packages:

1. Abdominal
2. Urology
3. Vascular – measurement and analysis of vessels

Support and other Documentation to Provide:

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS<sup>2</sup> document
3. Provide information about your companies support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.). Warranty Period shall be a minimum of 1 year – part and labor. Contractor shall provide a hard copy of the warranty with the product.
4. Provide 2 Copies Product Service Manuals (1 Hard Copy and 1 Digital Copy)

Training

1. On-site applications during GO LIVE – minimum 32 hour
2. Follow up equipment/applications training to be provided after technologists have hands-on experience with the system – minimum 16 hours

Trade-in: NONE