

VAMC ALBANY, NY  
PO# 528-B33018

Line #	Description	Qty
1	<b>IU22 Vision 2011 xMATRIX</b>  <b>Intelligent Design</b> <b>Ergonomics:</b> Unique human-centered design for comfort and convenience Fully articulating flicker-free 20-inch wide format high resolution flat panel TFT/S-IPS display with nearly infinite positioning adjustments Fully articulating control panel, including height, swivel, and slide Easy access transducer connectors and integrated cable storage Digitally enhanced 8 speaker high-fidelity stereo audio Integrated footrest Integrated storage shelves 4 wheel swivel and swivel/brake lock control  <b>Architecture</b> xSTREAM system architecture with capability of processing multiple data streams simultaneously built for 2D, 3D, 4D, MPR, Live Volume Imaging and Live xPlane imaging Next generation digital broadband acoustic beamforming, built for latest pulse shaping and coding techniques Up to 442,176 total digital channels High-bit, low noise, digital circuitry achieves system dynamic range up to 180dB for improved 2D performance and increased Doppler sensitivity New Adaptive Broadband flow imaging automatically adjusts bandwidth for optimal flow sensitivity and resolution Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight XRES Adaptive Image Processing for noise and artifact reduction to improve tissue conspicuity Fully independent, multiple mode Triplex operation  <b>Transducers</b> Supports new Explora family of transducers that feature: Ergonomic designs with lightweight flexible cables New low-loss technology for better penetration with fewer artifacts Breakthrough frequency bandwidths and array configurations  <b>Intelligent Control</b> <b>Interface</b> High-resolution interactive graphical color touch panel with adjustment for various ambient light conditions Easy access primary controls with tri-state backlighting and multi-function controls Control panel operation of on-board peripheral devices Pull out alphanumeric keyboard for manual data entry User interface configurable for languages  <b>Automation</b> iSCAN intelligent one-button optimization in 2D and Doppler modes iFOCUS intelligent focusing capability for one-button optimization of focal range size and position iOPTIMIZE intelligent optimization technologies for one-button approach to instantly adapt	1

performance for different patient sizes, flow states and clinical requirements  
 High-Q Automatic Doppler Analysis  
 Intelligent Tissue Specific Imaging  
 Application-specific and user definable Quicktext Automatic Annotation  
 QuickSAVE User Defined Programs (up to 45 per transducer)  
 iSTIC on X6-1 allowing automated volume acquisition of cardiac cycle

#### **Data**

On-board workstation-class data management with thumbnail previews and storage of images, loops, and reports  
 Retrospective and prospective clip capture to internal drive or removable media  
 Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility  
 DICOM 3.0 Print and Store capability to internal drive or DVD/CD

#### **Other Core Features**

Color Power Angio  
 Tissue Harmonics and Pulse Inversion Harmonic Imaging  
 Basic 3D Imaging capability with MPR visualization feature  
 2D, M-Mode, Pulsed, High PRF, Color Flow Doppler  
 Duplex CW Doppler  
 ECG capability  
 Cineloop Image, M-mode and Doppler Review  
 High Definition Write Zoom and Read Zoom with pan features  
 Chroma Imaging  
 Measurement tools including: distance, depth, area, and circumference  
 Volume Flow Measurements  
 Ability to send X,Y & Z volume MPR's to most PACs

#### **Live 3D**

Provides Live 3D software and Live xPlane software for use with xMATRIX transducers.  
 (xMATRIX transducers are not included and must be purchased separately).

**2**

#### **Radiology Pkg**

**1**

Includes the following:

- Abdominal Clinical Option
- Gynecology Clinical Option
- Vascular Clinical Option
- Pediatric Clinical Option
- Small Parts Clinical Option
- Musculoskeletal Clinical Option
- Obstetrical Clinical Option
- Contrast Clinical Option
- Urology Clinical Option
- TCD Clinical Option
- Interventional Clinical Option
- Tissue Dopple Imaging (TDI)

**3**

#### **NetLink DICOM 3.0**

**1**

DICOM 3.0 compliant with support for the following functions: performed procedure step, storage commit, modality worklist, vascular structured reporting, OB structured reporting, GYN structured reporting, and cardiac structured reporting.

4	<b>SmartExam Protocol</b>	1
	SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies	
5	<b>L9-3 Broadband Linear Array transducer</b>	1
	Linear Array transducer with 9 to 3 MHz extended operating frequency range for cerebrovascular and peripheral vascular applications, to include deep venous imaging. Provides unprecedented clinical performance for demanding vascular exams.	
6	<b>L12-5 50mm Broadband Linear Array transducer</b>	1
	Fine pitch, 256 element, high resolution linear array transducer with 12 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, vascular and musculoskeletal imaging.	
7	<b>X6-1 Purewave xMatrix Transducer</b>	1
	Purewave xMatrix transducer with 6-1 MHz extended operating frequencies for abdominal and OB applications. Unique high density array of over 9200 fully sampled elements allows 2D, xPlane and Live volume images.	
8	<b>C5-1 Broadband Curved Array Transducer</b>	1
	PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. Must be at Vision 2008 or must purchase Vision 2010 or higher software upgrade.	
	iU22 customers: C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.	
	iE33 customers: For general purpose adult abdominal vascular and OB fetal echo applications.	
9	<b>C10-3v Purewave Broadband Transducers</b>	1
	Purewave Curved array transducer with 3 to 10 MHz operating frequency range, end fire sector, 11.5 radius at curvature, 130 degree field of view for endovaginal applications.	
10	<b>English Manual</b>	1
	Operation Manual	
11	<b>1st SVC Manual for Gov</b>	1