

VAMC HARLINGTEN, TX  
PO# 740-B45002

Line #	Description	Qty
1	<p data-bbox="430 451 686 483"><b>iU22 V 2012 System</b></p> <p data-bbox="215 493 438 525"><b>Intelligent Design</b></p> <p data-bbox="215 525 383 556"><b>Ergonomics:</b></p> <ul data-bbox="215 556 1380 829" style="list-style-type: none"><li>Unique human-centered design for comfort and convenience</li><li>Fully articulating flicker-free 20-inch wide format high resolution flat panel TFT/S-IPS display with nearly infinite positioning adjustments</li><li>Fully articulating control panel, including height, swivel, and slide</li><li>Easy access transducer connectors and integrated cable storage</li><li>Digitally enhanced 8 speaker high-fidelity stereo audio</li><li>Integrated footrest</li><li>Integrated storage shelves</li><li>4 wheel swivel and swivel/brake lock control</li></ul> <p data-bbox="215 871 375 903"><b>Architecture</b></p> <ul data-bbox="215 903 1380 1291" style="list-style-type: none"><li>xSTREAM system architecture with capability of processing multiple data streams simultaneously built for 2D, 3D, 4D, MPR</li><li>Next generation digital broadband acoustic beamforming, built for latest pulse shaping and coding techniques</li><li>Up to 442,368 total digital channels</li><li>High-bit, low noise, digital circuitry achieves system dynamic range up to 180dB for improved 2D performance and increased Doppler sensitivity</li><li>New Adaptive Broadband flow imaging automatically adjusts bandwidth for optimal flow sensitivity and resolution</li><li>Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight</li><li>XRES Adaptive Image Processing for noise and artifact reduction to improve tissue conspicuity</li><li>Fully independent, multiple mode Triplex operation</li></ul> <p data-bbox="215 1333 375 1365"><b>Transducers</b></p> <ul data-bbox="215 1365 997 1491" style="list-style-type: none"><li>Supports new Explora family of transducers that feature:</li><li>Ergonomic designs with lightweight flexible cables</li><li>New low-loss technology for better penetration with fewer artifacts</li><li>Breakthrough frequency bandwidths and array configurations</li></ul> <p data-bbox="215 1533 446 1564"><b>Intelligent Control</b></p> <p data-bbox="215 1564 327 1596"><b>Interface</b></p> <ul data-bbox="215 1596 1348 1774" style="list-style-type: none"><li>High-resolution interactive graphical color touch panel with adjustment for various ambient light conditions</li><li>Easy access primary controls with tri-state backlighting and multi-function controls</li><li>Control panel operation of on-board peripheral devices</li><li>Pull out alphanumeric keyboard for manual data entry</li><li>User interface configurable for languages</li></ul> <p data-bbox="215 1816 367 1848"><b>Automation</b></p> <ul data-bbox="215 1848 1380 1936" style="list-style-type: none"><li>iSCAN intelligent one-button optimization in 2D and Doppler modes</li><li>iFOCUS intelligent focusing capability for one-button optimization of focal range size and position</li><li>iOPTIMIZE intelligent optimization technologies for one-button approach to instantly adapt</li></ul>	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)

### **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**

SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies  
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.

### **Panoramic Imaging**

Real-time extended field-of-view composite imaging, acquired in fundamental or SonoCT mode.  
iU22:  
Operates on C5-2, C9-4, C8-5, L12-5, L17-5, L9-3 and V6-2 transducers.

### **Netlink Dicom 3.0**

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.

### **Auto Doppler**

Auto Doppler provides: auto placement of color flow box and steering angles in relation to vascular structures; auto sample volume placement in the area of greatest flow velocity and Auto angle correction. Auto Doppler works on all linear transducers.

### **Clinical Education**

**IU22 Clinical Education;** \*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and a \*1 day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer\*\*

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\*If purchased with Live 3D/4D, offsite advanced customer training tuitions must be used consecutively.

\*\*TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

\*\*\*Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.

<b>2</b>	<b>Radiology Pkg</b>	<b>1</b>
	Includes the following:	
	<ul style="list-style-type: none"><li>• Abdominal Clinical Option</li><li>• Gynecology Clinical Option</li><li>• Vascular Clinical Option</li><li>• Pediatric Clinical Option</li><li>• Small Parts Clinical Option</li><li>• Musculoskeletal Clinical Option</li><li>• Obstetrical Clinical Option</li><li>• Contrast Clinical Option</li><li>• Urology Clinical Option</li><li>• TCD Clinical Option</li><li>• Interventional Clinical Option</li><li>• Tissue Doppler Imaging (TDI)</li></ul>	
<b>3</b>	<b>L9-3 Broadband Linear Array transducer</b>	<b>1</b>
	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.	
<b>4</b>	<b>L12-5 50mm Broadband Linear Array transducer</b>	<b>1</b>
	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.	
<b>5</b>	<b>C5-1 Broadband Curved Array Transducer</b>	<b>1</b>

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.

<b>6</b>	<b>C10-3v Purewave Broadband Transducers</b>	<b>1</b>
	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.	
<b>7</b>	<b>English Manual</b>	<b>1</b>
	Operation Manual	
<b>8</b>	<b>1st SVC Manual for Gov</b>	<b>1</b>