

V.A. MEDICAL CENTER  
4300 W 7TH STREET  
LITTLE ROCK, AR  
  
PO# 598-B30004

Line #	Description	Qty
1	<b>iU22 V 2012</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 Next generation digital broadband acoustic beamforming, built for latest pulse shaping and coding techniques Up to 442,368 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)

#### **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.

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#### **PureWave Bundle, C5-1 & C10-3v**

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##### **C5-1 Transducer**

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.

##### **C10-3V Transducer**

C10-3V Transducer 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.

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#### **Radiology Pkg**

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- 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 Doppler Imaging (TDI)

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.

Features new Strain based Elastography for Breast Imaging. Available on Advanced Breast TSI on L12-5 and L17-5 transducers. It is also available for the C10-3V transducer for uterine applications. Accompanied by QLAB quantification package.

- Available in Advanced Breast TSI on L12-5 transducer
- One touch entry into elastography mode
- Elastogram applied as a region of interest box with user control of size and location through entire field of view
- Realtime indicator for elastogram quality
- Display options
  - Single screen 2D with elastogram
  - Side-by-side display of 2D image and 2D with elastogram
- Shadow duplication and measurement capability in side-by-side display
  - Distance and area tools
  - Duplication from either side of the display
- Six selectable elastogram display maps
- Ability to hide / show the elastogram display
- Blend capability to increase 2D visibility through elastogram display
- Acquisition rate control for elastogram optimization
- Four smoothing selections
- Five persistence selections
- Two dynamic resolution system (DRS) selections to optimize between elastogram resolution and penetration
- Four dynamic range selections for elastogram display
- Three elastogram optimization settings to optimize to different tissue compositions
- Anechoic Imaging feature

6	L9-3 Broadband Linear Array transducer	1
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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.

**7 L12-5 50mm Broadband Linear Array transducer 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.

**8 English Manual 1**

Operation Manual

**9 Small black and white printer (Internal) 1**

Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.

**10 1 Day ENT ACT w/Travel 1**

**1 Day Entitlement ACT with Travel** - The 1 Day Advanced Customer Training (ACT) course with travel consists of advanced intensive training on the selected ultrasound system and includes the corresponding travel package.

Entitlement Advanced Customer Training (ACT) Tuitions expire within 180 days from system or upgrade installment date. Due to travel and scheduling requirements, a twenty-one (21) day notification of cancellation is required or training / education entitlements will be forfeited. Curriculum is subject to change without notice.

Travel & Accommodations for one (1) registered attendee. 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 1 day. 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.

\*\*\*TUITION IS ONLY VALID WHEN PURCHASING A CONFIGURATION WITH 2D QLAB\*\*\*  
(applies to IE33 only)

**11 1 Day PAS Onsite 2**

**1 Day PAS Onsite** - Ultrasound system or upgrade onsite training provided by a PAS (Product Applications Specialist) for specific system applications or upgrades; not per modality. *Education is provided Monday - Friday during normal business hours.* 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. All onsite training day expires within 90 days from system or upgrade installation date. Exceptions are for 3D Stress onsite training (which expires 9 months from system or upgrade installation date) and Fusion & Needle Navigation onsite training (which expires 180 days from system or upgrade installation date).

\*\*\*THE NUMBER OF ONSITE TUITIONS YOU RECIEVE MAY VARY BASED ON PURCHASED OPTIONS. PLEASE CONSULT YOUR SALES REPRESENTIVE FOR FURTHER DETAILS\*\*\*

**3 Day Entitlement 3D University with Travel** - A variety of C/V, Vascular, GI and WHC University course offerings are available to meet your clinical educational needs. These courses range from one to three days in length and offer a wide range of content matter. Please refer to the course catalog for a complete listing of all university courses that you can choose from. The 3 Day ENT 3D University Tuition includes both the tuition and the corresponding travel package.

Entitlement University Tuitions expire within 365 days from system or upgrade installment date. Due to travel and scheduling requirements, a twenty-one (21) day notification of cancellation is required or training / education entitlements will be forfeited. Curriculum is subject to change without notice.

Travel & Accommodations for one (1) registered attendee. 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 up to 3 days. 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.

\*\*\*TUITION IS ONLY VALID WHEN PURCHASING THE LIVE 3D(IE33), 3D/4D (IU22), AND OR ELASTOGRAPHY CONFIGURATIONS.\*\*\*  
opting out of any of these options will alter your education entitlements.