

VAMC RICHMOND, VA  
PO# 652-B30041

Line #	Description	Qty
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1	iU22 V 2012	1
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**Intelligent Design**

**Ergonomics:**

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

**Architecture**

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

**Transducers**

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

**Intelligent Control**

**Interface**

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

**Automation**

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

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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### **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 Doppler Imaging (TDI)

**3 C5-1 Broadband Curved Array Transducer 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.

**4 Elastography PQ/ Point Quantification 1**

Shearwave point quantification elastography utilizes normal imaging transducers to conduct a virtual biopsy. At the touch of a button clinicians can acquire absolute liver stiffness data using a unique series of ultrasound pulses. This data helps clinicians assess early fibrotic changes, including much more information than can be obtained in a single tissue sample. Shearwave ultrasound elastography offers the opportunity to avoid the complications of a biopsy and assess liver status non-invasively in combination with simple blood work.

**5 English Manual 1**

Operation Manual

**6 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)

**7 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\*\*\*