

V.A. MEDICAL CENTER
800 HOSPITAL DR
COLUMBIA, MO 65201

PO# 589-B33005

Line #	Description	Qty
1	CX50 3D xMATRIX V2013 Interface: 15.0 inch high resolution display with wide viewing angle Quick Keys and Active Mode Laptop style Alphanumeric QWERTY keyboard 8 TGCs and 2 LGCs Ergonomic carrying handle Includes AC adapter , power cord and system battery pack 2 USB flash drives on system 80 GB hard drive Internal DVD RW drive Architecture: All-digital compact broadband beamformer, Microfine 2D focusing with Dynamic Focal Tuning that includes Advanced X-Res signal processing, 170 dB full time input dynamic range 18,432 digitally-processed channels, Continuously variable steering in 2D, color and Doppler modes 2D Opt signal processing with 4X multi-line parallel processing and frequency compounding. Intelligent Controls: The CX50 has been designed to make portable exams easy and efficient. With a single button, iSCAN technology automatically samples data for a new level of 2D and Doppler optimization iSCAN one-touch Intelligent Optimization, iSCAN one-touch Intelligent Color Optimization, iSCAN Doppler one-touch optimization. Transducers: Supports Compact family of transducers featuring PureWave imaging technology in the S5-1, CX7-2t, C5-1, D5CWC. Also supports the high resolution S12-4, S8-3, C8-5 and L12-3 transducers. All transducers provide breakthrough frequency bandwidths and array configurations. These transducers also have ergonomically designed lightweight flexible cables and compact connectors. Modes: 2D M-mode Anatomical M-mode Color M-mode Pulsed Wave Doppler Color Power Angio (CPA) Continuous Wave Doppler Invert and Color Invert Color compare mode Dual mode Duplex for simultaneous 2D and Doppler 2D Optimization Signal Processing Live Compare Tissue Harmonic Imaging (THI) Reconstructed zoom with pan (read zoom)	1

Write zoom
 Pulse Inversion Harmonic imaging
 Adaptive Doppler
 Adaptive Color Doppler
 Color Tissue Doppler imaging
 Pulsed Wave Tissue Doppler imaging
 Active Native Data - manipulation of image data
 Cineloop review
 Acquisition, storage, and display in real-time and duplex modes of up to 500 frames
 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 images or export in DICOM, JPEG and .avi for PC compatibility. Philips DICOM viewer option to imbed in media transfer for easy viewing of study on most PCs.
 Maintenance and Serviceability
 Remote Access for Expedient Clinical and Technical Support
 Flexible Service Agreements
 Clinical Application and Educational Support
 Scheduled Preventative Maintenance and System Optimization
 DVI-I Digital Video Output

Interventional Live 3D

Next-generation capability providing true volume rendered Live 3D, Live xPlane and multiplane 2D imaging using Compact X7-2t xMATRIX TEE transducer. Includes 3D ISCAN to enhance 3D imaging. Contains new enhancements for added workflow and clinical utility – Live Full Volume, Live 3D Zoom, Live 3D and Live 3D Color. These features work in conjunction with a new and easy to use all Live 3D Target Volume Rate control that offers complete flexibility to trade off volume, frame rate and resolution. Long loop capture allows continuous volume acquisition for retrospective selection of preferred beat(s). Includes a new 3D Orientation ICON, ability to measure basic 2D measurements while in 3D imaging, Dynamic face crop and a DVI-I output for external monitors.

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| 2 | Vascular Clinical Option | 1 |
| | <p>This clinical option includes Tissue Specific Imaging software and SonoCT for Cerebrovascular, Peripheral vascular, abdominal vascular and Transcranial applications. This clinical option also includes in depth analysis and reporting packages for vascular applications. Freehand 3D is also provide within this clinical option. Allows operation for vascular applications of the C5-1, S5-1, L12-3, L15,7io, L12-5 50 and D5cwc transducers.</p> | |
| 3 | Adult Echo Clinical Option | 1 |
| | <p>Tissue Specific Imaging software for adult cardiac ultrasound applications. Display optimization software with Tissue Specific presets for adult cardiac imaging and Doppler applications. Analysis software package includes cardiac imaging protocol measurements and configurable reports and finding codes. Active native data for post-process optimization and advanced XRES adaptive image processing for improved tissue conspicuity. iSCAN intelligent one-button optimization for adaptive gain compensation in 2D, Doppler, Tissue Doppler Imaging and LVO contrast functions. Includes Live compare mode, cardiac High-Q Automatic Doppler Analysis and respiration waveform from chest impedance. Allows operation of S5-1, CX X7-2t and D2cwc transducers.</p> | |
| 4 | Exam Protocols/Smart Exam | 1 |
| | <p>Fast Exam provides easy to use, customizable guides that help the clinician complete studies on every patient. An on screen menu, guides the clinician through the required views for a specific exam type, automatically enters annotation and build the patient report.</p> | |
| 5 | CX50 Integrated US Client -
Allura Xper FD Connect | 1 |
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CX50 IUS Client SW streamlines workflow by offering synchronization of Patient ID information already entered into the Allura Xper system, as well as storage of ultrasound images within the Interventional Study folder.

Enables tableside control of ultrasound exams via the Allura Xper Tableside Module (TSM)

Seamless connection with Allura video system supports comfortable viewing of images on interventional exam room monitors

Operational Requirements:

CX50 Release 2 (or later) software release level.

Philips Allura Xper Release 7 (or later) in Interventional Suite.

Allura Xper Integrated Ultrasound option purchased separately. (IUS functionality requires both “client” and “host” software - CX50 IUS option is “client” software).

6	Interventional Cardiology	1	Required for CX50 xMATRIX system to support EchoNavigator functionality in Philips Allura Interventional Cardiology and Hybrid Cardiac OR environments. Provides a high bandwidth 2D and Live 3D digital navigation link for essential network communication with Philips Allura EchoNavigator system. Full functionality with Allura system requires hardware and software to be purchased on Allura system. Contact Philips Interventional X-ray (iXR) for compatibility requirements.
7	Cart with Multi-port Adapter	1	Highly mobile cart that features hardware module to support transducer switching among up to three imaging transducers at the touch of a button. Includes: 4 swivel wheels with 2 locking casters, rear handle, micro-positioning grips, quick-connect tray, storage shelf, footrest, internal isolation transformer, B&W printer brackets, integrated transducer connector holder, gel holders and cable management. Includes USB hub for additional connectivity.
8	USA Power Cord	1	
9	S5-1 Broadband Phased Array	1	PureWave crystal Sector array transducer with 5 to 1 MHz extended operating frequency range for adult cardiology, abdominal, vascular, TCD and Acute Care.
10	CX X7-2T TEE Transducer	1	X7-2t PureWave matrix array TEE Transducer for superior 2D quality. 7 to 2 MHz extended operating frequency range. Includes M-Mode, PW doppler, CW doppler, harmonics, true electrocautery suppression, and adaptive autocool. Includes 1 year warranty
11	C5-1 Broadband Curved Array Transducer	1	C5-1 broadband, Curved Array PureWave crystal transducer with 5 to 1 Mhz extended operating frequency range for abdominal, obstetrical, gynecological, interventional, vascular, contrast acute care and regional anesthesia applications.
12	Transducer L12-5, 50	1	

High frequency linear array transducer with 12 to 5 MHz extended operating frequency range for small parts, vascular, abdominal, and MSK applications. (Compact connector)

13 **English Manual** **1**
Operation Manual

14 **1 Day PAS Onsite** **3**

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

15 **2 Day ENT TEE U w/Travel** **2**

2 Day Entitlement TEE University with Travel - A variety of Live 3D TEE University course offerings are available to meet your educational needs. Live 3D TEE provides cardiologists, anesthesiologists, and cardiac surgeons novel and exiting realistic views to aid in patient care. The 2 Day ENT TEE 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 2 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 X7-2T TEE PROBE
opting out of this equipment will remove this education entitlement.

16 **1st SVC Manual for Gov** **1**