

WAREHOUSE B50005
VA MEDICAL CENTER
50 IRVING STREET NW
WASHINGTON, DC 20422
PO#: 688-B50005

Line #	Part #	Description	Qty	Each	Price
1		CX50 3D xMATRIX V2013	1		

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)
- 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
- DICOM Networking
 - Ethernet @100Mb/second Includes DICOM wired and wireless "G" and "N".
 - Provides DICOM 3.0 network print and store and storage commitment
 - Performed Procedure Step (pps)
 - Modality Worklist
- DICOM Structured Reporting

Cineloop review

- 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

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.

Clinical Education

***2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), a 2 Day offsite TEE University (expires 365 days after install) and one

subscription to E-Echocardiography.com (must be activated within 90 days of code notification). All offsite training includes travel, see travel disclaimer**

****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.

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| 2 | CV 2D Comprehensive Pkg | 1 |
| | Includes all components of | |
| | <ul style="list-style-type: none">- Adults Echo (presets, analysis, TDI, LVO, Contrast, ECG, Physio)- Pediatric Echo (presets, analysis, fetal echo/OB analysis, ECG)- Vascular (Cerebrovascular, abdominal, peripheral, SonoCT, Freehand, 3D)- 2D ICE- Needle Visualization- Allura Xper Integration Software- Live xPlane- Interventional Cardiology/EchoNavigator link software | |
| 3 | Stress Echo | 1 |
| | Provides default protocols for 2, 3 and 4 stage pharmacological, customizable protocols up to 8 stages, 8 views and options for single, quad and multicycle acquisition. Includes Gain Save feature, add stage, add view, select multiple images, reject view, skip view, edit stage, edit view, accept stage, end stage. Ability to relabel images, pause protocol/ resume protocol or interrupt protocol. Display in normal sequential order or by stage or view. | |
| 4 | Exam Protocols/Smart Exam | 1 |
| | 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. | |
| 5 | Travel Case | 1 |
| | Padded wheeled travel case with front zipper pockets & telescoping handle. Includes a retractable stacking extension for transporting additional supplies and a customized transducer & gel carrying bag for up to 4 transducers. Dimensions:
Accommodates CX50 imaging system, AC adapter, separate transducer carry bag for up to 4 transducers and gel, | |
| 6 | 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.

7 USA Power Cord 1

8 Cardiology Quantification Bundle Vision 2012 1

Includes Cardiac Motion / Mechanics Quantification (CMQ), Strain Quantification (SQ), Region of Interest (ROI) and Intima Media Thickness (IMT) Plug ins.

Cardiac Motion / Mechanics Quantification Plug-in

Uses next-generation 2D speckle tracking technology to provide a robust and objective assessment of Left Ventricular global function and regional wall motion, deformation and timing. Provides ability to extract a wide range of motion parameters from stored datasets at any time after the actual scan, facilitating quality assurance, collaborative clinical decision making and case reviews without the need for rescanning the patient.

CMQ includes a suite of methods either based on 2D speckle tracking (CMQ, free Strain and TMAD methods) or border detection technologies (Simple/CK, Complex/CK, Other). Each method includes a "step by step" user interface and report capabilities for ease of use and fast clinical adoption. Computes regional and global strain rates among other parameters such as rotation and transmural torsion. 2D speckle tracking is based on dense tracking field technology and images acquired from transducers featuring PureWave technology ensures superb tracking performance for enhanced clinical utility. A new image quality confidence index with a user-defined threshold removes untracked segments and further ensures that diagnoses are based on the best possible information. CMQ adopts the LV 17-segment model and produces comprehensive regional and global strain using easy to read bulls eye plots.

The free Strain method offers a simple and intuitive way to assess local tissue motion and deformation. AQ/CK and Tissue Motion Annular Displacement (TMAD) methods facilitate Global Left Ventricle function, volume, and EF assessment.

Strain Quantification (SQ) Plug-in

Used in the evaluation of regional myocardial function; measures the myocardial velocity TDI data set and derives the displacement, strain and strain rate along user-defined M-Lines; includes ability to overlay opening and closing of aortic and mitral valves on SQ curves to evaluate Left Ventricle mechanical events; user-selectable waveform display makes SQ curves easier to read.

Region of Interest (ROI) Quantification Plug-in

Designed to increase the consistency and reliability of acoustic measurements, while reducing the effort required to successfully carry out ROI analysis for contrast imaging, tissue analysis and color Doppler. On compatible files calculates Color Mean and Standard Deviation, Echo mean and Standard Deviation, VI, FI, VFI. Enables user to apply motion compensation algorithm.

Intima Media Thickness (IMT) Quantification Plug-In

Provides automated measurements of intima media thickness in carotids and other superficial vessels; eliminates the laborious process of manually positioning cursors, minimizing the time needed to complete an IMT study.

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| 9 | 3D Quantification - 3DQ Basic | 1 |
| | <p>Cardiac 3D Quantification (3DQ) Plug-in
Provides easy access to Live 3D, 3D Zoom, Full Volume and 3D Color data sets from the Philips Live 3D systems; Offers viewing, cropping, slicing and quantification including distance measurements, area, Bi-plane LV Volume, Ejection Fraction (EF) and LV Mass calculations; 3DQ also provides Multiplanar Reconstruction (MPR) views for unlimited anatomical planes from 3D volume and new 3D iCrop tools.</p> | |
| 10 | 3D Quantification - 3DQ
Advanced | 1 |
| | <p>Cardiac 3DQ Advanced Plug In
Provides display & manipulation of dynamic three-dimensional rendering and left ventricular (LV) volumes from the Philips Live 3D systems; Displays 3D Full volume renderings in grayscale or advanced colorization (map H); MultiPlanar Reconstruction (MPR) views provides unlimited anatomical planes from 3D volume; New iSlice generation run in the 3D viewer and is compatible with all Philips Live 3D dataset including color data, provides highly flexible short and long axis slicing tool and display up to 4x4 equally spaced MPR views to facilitate LV function visualization assessment; Measurements of LV endocardial Volumes, Stroke Volume (SV) and true 3D ejection fraction (EF) using a semi-automated border detection in 3D space; iCrop is also available allowing easy to use controls to access the structural information within the dataset; Computes global and regional LV volumes based on ACC 17-segment model; Displays global LV volume waveform and provides selective display of 17 regional volume waveforms; Offers timing assessment for each 17 minimal regional volumes and determine a synchronicity index for all volume segments or a user-selectable group of volume segments; Provides comprehensive report with summary of synchronicity indexes and displays regional Timing and Radial Excursion Parametric Images in Bull's eye representation.</p> | |
| 11 | Mitral Valve Quantification -
MVQ | 1 |
| | <p>The Mitral Valve Quantification plug-in (MVQ) adds precise 2D and 3D quantification of the mitral valve anatomy and associated structures based on data acquired with Interventional Live 3D Echo Clinical option and the X7-2t transesophageal transducer; While Live 3D TEE provides views never seen before, MVQ provides quantification data available for the first time for cardiologists, cardiac surgeons, anesthesiologists and interventionalists; Based on the precise Live 3D TEE information, the MVQ plug-in provides a clinical decision support tool to improve diagnostic confidence, surgical planning, communication between clinicians and for the patient, and follow-up care; MVQ offers three use-models/protocols to assist clinicians in defining 3D landmarks on MPR views and build a 3D model, step by step, of the mitral valve annulus, anterior and posterior leaflet segmentation, improved coaptation line and leaflet trace, as well as mitral valve spatial relationship with the papillary muscles and aortic valve; The MVQ 3D model can be manipulated in the 3D space and be overlaid on the anatomical 3D view of the mitral valve; A user-defined measurement set is generated and displayed as well as a comprehensive report; In order to facilitate communication and definition of the selected results, clinicians can intuitively display each measurement on the 3D model.</p> | |

12	D2cwc Static Transducer	1
	Non-imaging 2 MHz PW/CW Doppler transducer for cardiac applications	
13	S5-1 Transducer	1
	Features compact connector designed for reliability and improved ergonomics. Compatible with both EPIQ and CX50 systems. Manufactured in accordance with the European Union's Restriction of Hazardous Substances (RoHS) directive.	
	PureWave crystal Sector array transducer with 5 to 1 MHz extended operating frequency range for adult cardiology, abdominal, vascular, TCD and Acute Care.	
14	X7-2t Transducer	1
	Features compact connector designed for reliability and improved ergonomics. Compatible with both EPIQ and CX50 systems. Manufactured in accordance with the European Union's Restriction of Hazardous Substances (RoHS) directive.	
	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.	
	Clinical Education	
	X7-2T Clinical Education; ***1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), a 2 Day offsite TEE University (expires 365 days after install) and one subscription to E-Echocardiography.com (must be activated within 90 days of code notification). All offsite training includes travel, see travel disclaimer**	
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15	English Manual	1
	Operation Manual	
16	2 Day ENT TEE U w/Travel	2

Includes one University tuition at a Philips classroom location. - A variety of one to two day C/V University course offerings are available to meet your clinical educational needs. These courses range from one to two 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.

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 details are provided during the scheduling process.