

VAMC DALLAS, TX
PO# 549-B40036

Line #	Description	Qty
1	iE33 V 2012 3D xMATRIX Intelligent Design Ergonomics: Unique human-centered design for comfort and convenience Fully articulating flicker-free 20-inch high resolution flat panel display with nearly infinite positioning adjustment 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, Panoramic, MPR, Live xPlane and Live 3D Next generation digital broadband acoustic beamforming, built for latest pulse shaping and coding techniques Dynamically scalable digital channels up to 144,000, designed to accommodate next generation of high frequency imaging and xMATRIX array configurations High-bit, low noise, digital circuitry with exclusive adaptive S/N achieves system dynamic range up to 180dB New Adaptive Broadband flow imaging automatically adjusts bandwidth for optimal flow sensitivity and resolution Advanced 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 and longer cables for some transducers 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 back lighting 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	1

Automation

iSCAN intelligent one-button optimization for adaptive gain compensation
iFOCUS intelligent focusing capability for one-button optimization of focal range position
iOPTIMIZE intelligent optimization for one-button push that automatically adapts system performance for:
different patient size
different flow states
High-Q Automatic Doppler Analysis
Intelligent Tissue Specific
Applications Programs
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|
NetLink/DICOM 3.0 provides network print and store, commit, modality worklist, DICOM Query and Retrieve, and structured reporting
for echo, pediatrics and vascular
Retrospective and prospective clip capture to internal drive or removable media
Integrated DVD/CD burning capability for storage of DICOM images (includes DICOM viewer) or export in
JPEG and .avi for PC compatibility
DICOM 3.0 Print and Media Store capability to internal drive or DVD/CD, network devices.
USB port for import/export of DICOM images (includes DICOM viewer) and export of PC files.

Other Core Features

Color Power Angio
Tissue Doppler Imaging
Cardiac Protocol - Stress Echo, with Defer Selection and Live Compare functions
Tissue Harmonics and Pulse Inversion Harmonic Imaging
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
User Defined Calculations
Application-specific Body Mark selections
Alt Print Control to independently control 3 OEMs
Advanced XRES adaptive real-time image processing
SonoCT Real Time Compound Imaging
Temporary ID

Live 3D

Provides true volume rendered, real-time 3D and Live xPlane imaging using supported xMatrix array transducers. Includes multiple vision settings to enhance image resolution and depth perception. Provides option to trade off volume size and frame rate. Education included with Live 3D software expires 1 year from equipment delivery.

SmartExam

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

Compact Compatibility

Compact Compatibility SW allows the iE33 system to recognize the Compact Adaptor and allows operation of the CX X7-2t transducer.

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.

Qty 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 TUTIONS YOU RECIEVE MAY VARY BASED ON PURCHASED OPTIONS. PLEASE CONSULT YOUR SALES REPRESENTIVE FOR FURTHER DETAILS

2

Performance Clinical Bundle

1

Includes Pediatric, Adult and Vascular clinical options

Pediatric Echo clinical option

- Tissue Specific imaging software for specific transducers in pediatric cardiac ultrasound applications
- Display optimization software with Tissue Specific presets for pediatric cardiac imaging and Doppler applications
- Unique Analysis software package includes a dedicated pediatric cardiac imaging protocol and report, as well as fetal echo analysis
- Allows operation of S8-3, S12-4, S5-1, C5-1, C5-2, D2cwc, D5 cwc, S7-3t MiniMulti TEE and X7-2 transducers

Adult Echo clinical option

- Tissue Specific imaging software for specific transducers in adult cardiac ultrasound applications
- Display optimization software with Tissue Specific presets for adult cardiac imaging and Doppler applications
- Analysis software package includes a cardiac imaging protocol and report
- Allows operation of S8-3, S12-4, S5-1, L11-3, X3-1, X7-2, X7-2t, S7-2omni, Omni III, S7-3t, MiniMulti, D2cwc, D5cwc and L15-7io transducers

Vascular clinical option

- Tissue Specific imaging software for specific transducers in vascular ultrasound applications
- Display optimization software with Tissue Specific presets for vascular imaging and Doppler applications, including TCD and trans-orbital
- Analysis software package includes a vascular imaging protocol and report.
- Provides vascular reporting and allows operation of L8-4, L11-3, L9-3, C5-1, C5-2, C8-5, S5-1 D2cwc, D5cwc, D2tcd and L15-7io transducers

3

3D Quantification Adv Bundle

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Includes Cardiac 3DQ Basic Plug-in and Cardiac 3DQ Advanced Plug-in

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.

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 segments 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.

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Mitral Valve Quantification (MVQ) Plug In

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Software quantification tool to manipulate, crop, and slice Live 3D TEE mitral valve 3D volume datasets. MVQ provides 2D and 3D segmentation of the mitral valve annulus, 2D and 3D segmentation of mitral valve anterior and posterior leaflets, and assessment of lengths, distances, areas, volumes and angles of the mitral valve anatomy and associated structures. The MVQ measurements are then visualized as a 3D model overlaid on the initial 3D volume render and summarized in a final report. The measurement package includes up to 33 measurements with basic, standard and advanced mitral valve protocols. QLAB MVQ Plug-in is compatible only with Live 3D TEE datasets from a Philips Ultrasound system. (Live 3D and Live xPlane must be purchased separately).

5

X5-1 xMatrix Transducer

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Latest generation xMATRIX transducer with PureWave Crystal Technology. xMATRIX transducer with 5 to 1 MHz extended operating frequency range for adult echo applications in 2D, Live xPlane and Live 3D modes. Highly-functional, ergonomic design that operates in all common imaging modes, making it practical for everyday use.

6	Compact X7-2t Transducer	1
<p>The Compact X7-2t transducer is a high frequency xMatrix sector array transesophageal Transducer with PureWave Crystal Technology, designed for the Philips CX50 CompactXtreme Ultrasound System. This transducer is also fully functional on the iE33 system (requires a Compact Adapter and the iE33 system to have Compact Compatability Software, and Vision 2009 SW or higher), with 7 to 2 MHz extended operating frequency range that images in 2D, Live xPlane, Live 3D, 3D Zoom, Full Volume and 3D color modes. Includes M-Mode, PW Doppler, CW Doppler, harmonics, true electrocautery suppression, and adaptive autocool. Includes ECG interface cable, disinfection basin, and 1 disposable tip protector.</p>		

Includes 1 year warranty

Clinical Education

X7-2T Clinical Education; ***1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), an E-Learning subscription; Basic System Training course for two people (expires 180 days after install), 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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7	English Manual	1
Operation Manual		
8	Compact Adapter	1
<p>Transducer adapter for compact connector transducers. Allows the CX X7-2t transducer to connect to the iE33 system. Includes Compact Compatability Software.</p>		
9	1st SVC Manual for Gov	1