

REQUESTING SERVICE: ANESTHESIOLOGY  
SHIP TO: VA Medical Center  
V.A. Medical Center  
Warehouse  
508 Fulton Street  
DURHAM, NC 27705-3897

PURCHASE ORDER: 558-B80007

Line #	Description	Qty
1	<b>CX50 CV Essentials Bundle</b>	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
- Windows Embedded Standard 7 Operating System
- 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

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- 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

Security-related features

Firewall policy blocks all unnecessary ports

Operating System hardening

OS settings utilizing the DISA STIGS

Disable unnecessary services

Disable auto-run for removable media

Media export security

Provides the ability to disable export of patient data to removable media

System Access Control

No restrictions – users may perform exams and access all previously completed exams or MWL data

Only patient data is locked – users may perform exams without requiring a login, but must successfully log in prior to accessing previously completed exams or MWL data

Complete system is lockable – users and administrators must successfully log in prior to any

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		system access	
		User management policy	
		User management local	
		Local user management	
		Support for multiple unique user accounts	
		Support for multiple unique administrator accounts	
		User management remote	
		Supports active directory authentication utilizing LDAP (system may not be joined to the domain)	
		Support for individual accounts or AD groups for users and administrators	
		May utilize LDAP or secure LDAP	
		Customer may configure the system to perform authenticated binding	
		Password policies	
		Provides the ability to specify password policies for local accounts	
		Minimum password length (6-14 characters)	
		Maximum password length (6-63 characters)	
		Minimum password age (0-998 days)	
		Maximum password age (1-999 days)	
		Password complexity	
		Account lockout policies	
		Lockout threshold (1-999 minutes)	
		Lockout duration (1-999 minutes)	
		Lockout counter reset (minutes)	
		Auto logoff	
		Automatically logs off a user after the specified period of inactivity, user selectable	
		Hard drive encryption	
		Encryption policies	
		<ul style="list-style-type: none"> <li>• 128 bit</li> <li>• 128 bit with diffuser</li> <li>• 256 bit</li> <li>• 256 bit with diffuser</li> </ul>	
		Audit log export	
		Audit logs may be exported	
		Available protocols are UDP or TLS	
		<b>Safeguard</b>	
		This is a standard computer administration tool used to prevent unauthorized programs (malware) from running on the ultrasound system.	
		<b>Adult Echo Clinical Option</b>	
		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.	

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Includes Live compare mode, cardiac High-Q Automatic Doppler Analysis waveform from chest impedance. Allows operation of S5-1, CX X7-2t and D2cwc transducers.

**Vascular Clinical Option**

This clinical option includes Tissue Specific Imaging software and SonoCT for Cerebrovascular, Peripheral Vascular, Abdominal Vascular and Transcranial applications. The clinical option includes in-depth analysis and reporting packages for vascular applications including Transcranial Doppler analysis . Freehand 3D is also provided within this clinical option. This clinical option enables the C5-1, S5-1, L12-3, L15-7io and D5cwc transducers for vascular applications. This clinical option also includes Needle Visualization which utilizes advanced electronic beam steering technology to enhance viewing of the needle to assist the user in guiding the needle to the targeted anatomy – needle visualization requires the L12-3 transducer.

**Abdominal Clinical Option**

This clinical option includes abdominal Tissue Specific Imaging software, SonoCT and Freehand 3D for abdominal applications. This clinical option also includes analysis and reporting packages for abdominal applications. Allows operation for abdominal applications of the C5-1, S5-1 and L12-3, L12-5 50, C9-3io, L10-4lap transducers.

**Pediatric Echo with Analysis**

Incorporates neonatal and pediatric echo imaging presets for S12-4 and S8-3 pediatric TTE transducers, as well as pediatric presets for S5-1 TTE and X7-2t TEE. Image optimization software includes Tissue Specific presets for 2D imaging and Doppler applications. Pediatric application includes physio (ECG) and calculations. Includes pediatric-specific analysis and supports recording of imaging loops. (NOTE: S5-1 and X7-2t require Adult Echo clinical option).

**Stress Echo**

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.

**Travel Case**

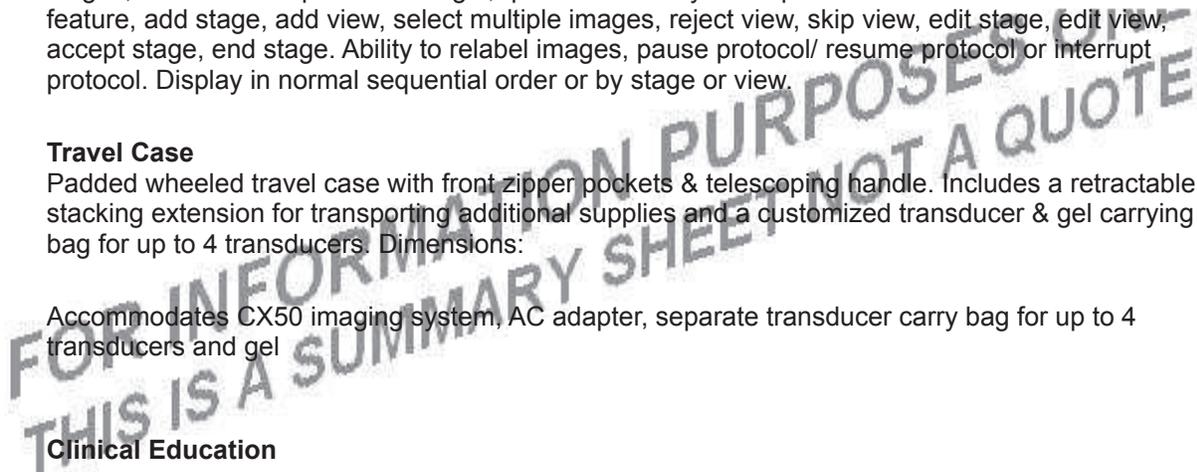
Padded wheeled travel case with front zipper pockets & telescoping handle. Includes a retractable stacking extension for transporting additional supplies and a customized transducer & gel carrying bag for up to 4 transducers. Dimensions:

Accommodates CX50 imaging system, AC adapter, separate transducer carry bag for up to 4 transducers and gel

**Clinical Education**

**Implementation Onsite Training** - One day of basic system training is provided at your site after installation. 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.



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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).

2		<b>Cart with Multi-port Adapter</b>	<b>1</b>
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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.

3		<b>USA Power Cord</b>	<b>1</b>
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4		<b>Government Security</b>	<b>1</b>
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Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.

5		<b>X7-2t Transducer</b>	<b>2</b>
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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.

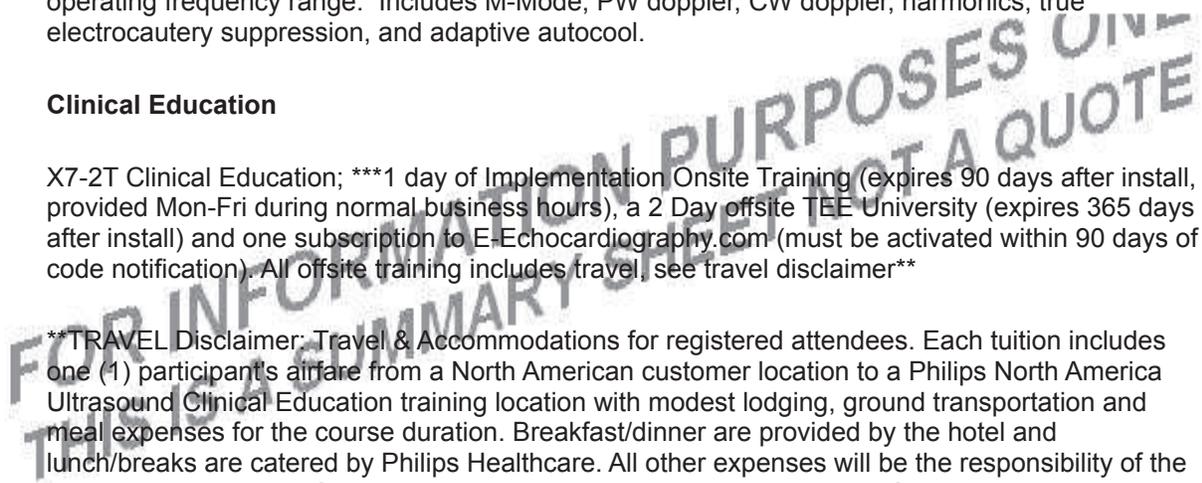
X7-2t PureWave matrix array TEE Transducer for superior 2D quality. 7 to 2 MHz extended operating frequency range. Includes M-Mode, PW doppler, CW doppler, harmonics, true electrocautery suppression, and adaptive autocoal.

**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\*\*

\*\*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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		training sessions should be attended by the appropriate healthcare profess the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.	

*All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.*

6		<b>L15-7io Transducer</b>	1
		Features compact connector designed for reliability and improved ergonomics. Manufactured in accordance with the European Union’s Restriction of Hazardous Substances (RoHS) directive.	
		High frequency compact linear array transducer with 15 to 7 MHz extended operating frequency range for cardiac and vascular surgery, superficial vascular, and MSK applications. (Compact connector)	

7		<b>S5-1 Transducer</b>	1
		Features compact connector designed for reliability and improved ergonomics. 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.	

8		<b>D2CWC Transducer</b>	1
		Non-imaging 2 MHz PW/CW Doppler transducer for cardiac applications	

9		<b>English Manual</b>	1
		Operation Manual	

10		<b>Trade in Allowance</b>	1
		Customer represents and warrants that (i) Customer has, and shall have when title passes, good and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.	
		Product: 100622.000 iE33 Ultrasound System	
		Serial Number: 02XDZ2	
		Manufacturer: PHILIPS HEALTHCARE	

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