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V.A. Medical Center  
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WASHINGTON, DC 20422

P.O.# 688-B80822

Line #	Description	Qty
1	EPIQ 7C	1

EPIQ 7 is a new direction for premium ultrasound featuring an uncompromised level of clinical performance to meet the challenges of today's most demanding practices– the most powerful architecture ever applied to ultrasound imaging – touching all aspects of acoustic acquisition and processing allowing you to truly experience Ultrasound's evolution to a more definitive modality.

Supported by our family of proprietary PureWave and xMATRIX transducers and our leading edge of Anatomical Intelligence, this platform offers our highest level of premium performance.

Reinvention of the premium ultrasound user experience

- New tablet like interface revolutionizes how you interact with the system resulting in dramatic reduction of exam reach and exam steps. (15% reduction in total steps, 40% to 80% reduction in long reaches)
- Lightest premium system in its class (230 pounds) – 40% lighter than the heaviest competitive premium system
- Enhanced mobility with battery backup options
- Large 21-inch high definition LCD display for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (720 degrees of freedom) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Ambient lighting of transducer connectors and the peripheral housing bay
- Integrated footrest with stainless steel trim
- Integrated storage shelves
- 4 wheel swivel and swivel/brake lock control

The most powerful architecture ever applied to ultrasound imaging

- Proprietary **n**SIGHT Imaging architecture - a totally new way to form ultrasound images – all without compromise. The combination of a new precision beamformer and massive parallel processing allow EPIQ 7 to receive and process an enormous amount of acoustic data allowing the system to focus down to the pixel level...all in real time.
- Up to 7,071,744 total digital channels (xMATRIX configuration)
- Up to 4,718,592 total digital channels (non xMATRIX configuration)
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 320 dB for improved 2D
- Windows Embedded Standard 7 Operating System
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts

Line #	Part #	Description	Qty
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- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- MaxVue High Definition Ultrasound with over a 1 million more pixels and 38% larger viewing area
- Fully independent, multiple mode Triplex operation
- Active Native data for post-processing of frozen image data and Cineloop image data
- Supports strain, ElastPQ and ElastQ Imaging elastography clinical options
- Supports CEUS clinical option
- Supports TrueVue photorealistic 3D option
- Supports Fusion and Navigation Interventional option

#### Transducers

Advanced Compact connector technology offers pinless design for exceptional reliability and performance that feature:

- Ergonomic designs with lightweight flexible cables
- New low-loss technology for better penetration with fewer artifacts
- Breakthrough frequency bandwidths and array configurations

Supports array configurations up to 20 MHz – sector, linear, curved, tightly curved, TEE and volume transducers (3D mechanical and xMATRIX)

#### Automation

Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies
- Vascular Auto Doppler flow optimization automatically adjusts color box position and angle, automatically adjust sample volume placement and angle. Also includes Auto Flow Tracking for automatic angle correction with sample volume movements
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)

#### Data

- Multi Modality Query Retrieve (Allows for the viewing of DICOM CT, Mammography, NM, MRI and ultrasound images – you can review these images while you are live imaging)
- NetLink/DICOM 3.0 provides network print and store, commit, modality worklist, DICOM Query and Retrieve, and structured reporting for adult and pediatric echo, vascular, and OB/GYN
- DICOM 3.0 Print and Store capability to internal drive or DVD/CD
- Integrated Wireless DICOM
- On-board workstation-class data management with thumbnail previews and storage of images, loops, and reports

Line #	Part #	Description	Qty
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- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export QLAB native data

#### Other Core Features

- Supports Freehand 3D
- Color Power Angio and MicroCPA
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- Basic 3D Imaging capability with MPR visualization feature
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW , Continuous Wave
- DopplerCineloop Image, M-mode and Doppler ReviewHigh
- Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements
- Tissue Doppler Imaging
- Stress Echo Protocol

#### Region of interest Q-App (ROI)

Designed to increase the consistency and reliability of acoustic measurements while reducing the effort required to successfully perform ROI analysis for contrast imaging, tissue analysis and color Doppler.

#### Intima Media Thickness Q-App (IMT)

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

#### Strain Quantification Q-App (SQ)

Measures the myocardial velocity from Color Tissue Doppler (aka TDI) datasets 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 display Left Ventricle mechanical events; and the user selectable waveform display makes SQ curves easier to read.

#### Safeguard

This is a standard computer administration tool used to prevent unauthorized programs (malware) from running on the ultrasound system.

#### Security Plus

Security Plus provides a Defense-in-depth strategy implementing security features designed to help healthcare facilities provide additional patient data privacy, and protection from unauthorized access via the ultrasound systems on hospital networks. New data security enhancements will make EPIQ and Affiniti compatible with data security on medical devices. Requires Evolution 2.0 or later. This feature does not include or require SafeGuard (malware protection).

#### EPIQ DVD Option

#### S-Video

Line #	Part #	Description	Qty
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#### Clinical Education

**EPIQ (CV) Clinical Education;** \*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and an E-Learning subscription; Basic System Training course for two people (expires 180 days after install).

\*\*\*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.

2		<b>CV Clinical Pkg</b>	<b>1</b>
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Includes the following:

- Adult Echo
- Ped Echo
- Fetal Echo
- Vascular
- TCD

#### Clinical Education

If you are purchasing CV Clinical Pkg you will receive; 1 Day offsite Vascular University (expires 275 days after install) and 1 Day offsite Vascular Advanced Clinical Training course (expires 180 days after install).

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.

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

3		<b>Abdominal Clinical Option</b>	<b>1</b>
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#### Abdominal Clinical Option

- Tissue Specific Imaging software for appropriate sector array and curved array transducers in abdominal ultrasound applications
- Display optimization software with Tissue Specific presets for abdominal imaging and Doppler applications
- Analysis software package includes a general imaging protocol and report, and Tissue Specific Imaging settings for:
  - General imaging
  - Renal
  - Abdominal vascular
  - Abdominal bowel

Allows operation of C5-1, C9-2, L12-3, X6-1, X5-1, eL18-4 Transducers.

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	For 7C: - Analysis software package includes a general imaging protocol and report, and Tissue Specific Imaging settings for: - General imaging* - Renal* - Abdominal vascular*	
	Allows operation of C5-1, L12-3, X5-1 Transducers. *TSIs not the same for all Transducers – please see Transducer text	
4	<b>Physio Kit</b>	1
	Physio allows EPIQ to receive ECG information via leads connected to patients.	
5	<b>Battery Std Life Package</b>	1
	Highly recommended for portable ultrasound studies. Allows system to be place in sleep mode and booted up in 20 seconds. Allows activation of the smart handle when not plugged in to central power.	
6	<b>L12-3 Transducer</b>	1
	Linear array transducer with 12 to 3 MHz extended operating frequenc also be used for musculoskeletal, pediatric radiology, small parts applications.	
7	<b>L15-7io Transducer Compact</b>	1
	Compact high resolution linear array transducer with 15 to 7 MHz extended operating frequency range for intraoperative vascular imaging. Also supports high-resolution superficial venous and arterial studies.	
8	<b>0 C5-1 Transducer</b>	1
	For 7G and 7W: PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Fetal Echo, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients. For 7C: PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance Fetal Echo and Abdominal applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.	
9	<b>S5-1 Transducer Compact</b>	1
	Sector array transducer with 5 to 1 MHz extended operating frequen and adult and TCD applications.	
10	<b>English Manual</b>	1
	Operation Manual	