

SHIP TO:  
WAREHOUSE  
V.A. Medical Center  
VA MEDICAL CENTER  
3900 LOCH RAVEN BLVD  
BALTIMORE, MD 21218

## THIS PROCUREMENT IS FOR TWO SYSTEMS

Line #	Description	Qty
--------	-------------	-----

1	<b>EPIQ 7G System</b>	
---	-----------------------	--

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 **nSIGHT** 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 #	Description	Qty
	<ul style="list-style-type: none"> <li>Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition</li> <li>MaxVue High Definition Ultrasound with over a 1 million more pixels and 38% larger viewing area</li> <li>Fully independent, multiple mode Triplex operation</li> <li>Active Native data for post-processing of frozen image data and Cineloop image data</li> <li>Supports strain, ElastPQ and ElastQ Imaging elastography clinical options</li> <li>Supports CEUS clinical option</li> <li>Supports TrueVue photorealistic 3D option</li> <li>Supports Fusion and Navigation Interventional option</li> </ul>	

#### 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 #	Description	Qty
	<ul style="list-style-type: none"> <li>• Retrospective and prospective clip capture to internal drive or removable media</li> <li>• Ability to send X,Y &amp; Z volume MPR's to most PACS</li> <li>• Ability to export QLAB native data</li> </ul>	

#### Other Core Features

- Supports Freehand 3D
- Panoramic
- 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

#### 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).

#### S-Video Option

Provides analog video signal output to compatible s-video devices.

#### EPIQ 7 DVD Option

#### Clinical Education

**EpiQ (GI) Clinical Education;** \*\*\*2 days 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) and a \*1 Day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer\*\*

\*Must be used consecutively with other offsite advanced customer training tuitions associated with the same system, if purchased with other options that include offsite advanced customer training; offsite advanced customer training will be limited to a maximum of 2 consecutive days.

\*\*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

Line #	Description	Qty
	<p>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.</p> <p>***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.</p> <p>All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.</p>	
2	<p><b>Radiology Clinical Pkg</b></p> <p>Includes the following:</p> <ul style="list-style-type: none"> <li>- Abdominal Clinical Option</li> <li>- Gynecology Clinical Option</li> <li>- Vascular Clinical Option</li> <li>- Pediatric GI Clinical Option</li> <li>- Small Parts Clinical Option</li> <li>- Musculoskeletal Clinical Option</li> <li>- Obstetrical Clinical Option</li> <li>- Fetal Echocardiography Option</li> <li>- Urology Clinical Option</li> <li>- TCD Clinical Option</li> <li>- Interventional Clinical Option</li> </ul> <p>Clinical Education</p> <p>If you are purchasing Radiology 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).</p> <p>All offsite training includes travel, see travel disclaimer**</p> <p>**TRAVEL Disclaimer: Travel &amp; 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 (i.e. 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.</p> <p>All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration</p>	
3	<p><b>xMATRIX xPlane and Live 3D SS</b></p>	

Line #	Description	Qty
	Provides a combination of functionality when using xMATRIX transducers in both 2D and Live 3D modes.	
	All xMATRIX transducers: Live xPLANE: ability to image and acquire 2 orthogonal 2D images. The orthogonal plane can be tilted in the lateral or elevation plane as well as be rotated. Works in 2D and in color flow. Live 3D: ability to perform real time Live 3D (dynamic 3D) allowing assessment of structures and its relationship within the anatomy, in greyscale and color Doppler. Zoom functionality is optimized for detailed Live 3D imaging of specific anatomic structures. Additional functionality on X5-1 and X7-2t transducers only: iRotate: ability to electronically rotate the 2D imaging plane without rotating the transducer. iRotate can be used in 2D and color flow. Can also be incorporated into 2D Stress Echo protocols to minimize acquisition times and improve reproducibility of images at different stages Live 3D Full Volumes: ability to capture a large volume in Live 3D. Designed to encompass the entire heart. Can be performed in greyscale or with color Doppler. Multiple acquisition modes available, from 1 to 6 beats cardiac cycles. Functionality on V6-2 and 3D9-3v Transducers only: Quantitative 3D/4D volume acquisition with SonoCT supported on V6-2, 3D6-2 and 3D9-3v transducers. Also includes 3D Color Power Angio and 3D Color Doppler capabilities. Includes advanced MPR display capability.	

## Clinical Education

If you are purchasing xMatrix xPlane and Live 3D SS with a New Epiq 7 System you will receive:  
\*A second day of offsite Advanced Customer Training course for one (expires 180 days after install), a 3 Day offsite University (expires 275 days after install), and A Post University Integration onsite class (expires 365 days after install).

If you are purchasing xMatrix xPlane and Live 3D SS with an Upgrade you will receive: \*\*\*1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and a 1 day 3D offsite Advanced Customer Training course for one (expires 180 days after install), a 3 Day offsite University (expires 275 days after install), and A Post University Integration onsite class (expires 365 days after install).

All offsite training includes travel, see travel disclaimer\*\*

\*Must be used consecutively with other offsite advanced customer training tuitions associated with the same system if purchased with other options that include offsite advanced customer training.

\*\*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.

\*\*\*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

Line #	Description	Qty
	<p>the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.</p> <p>All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.</p>	
4	<p><b>General Imaging 3D Quantification Q-App (GI 3DQ)</b></p> <p>General Imaging 3D Quantification Q-App (GI 3DQ): 3D tools that support the viewing and quantification of 3D data sets. The GI 3DQ app allows you to view, crop, rotate, access and use all vision controls, and perform everyday measurements on 3D ultrasound data sets.</p>	
5	<p><b>Panoramic 3D</b></p> <p>Utilizes live xPlane imaging to acquire a calibrated volume over an extended field of view. This enables whole organ acquisition, visualization and quantification of unparalleled views of anatomical structures. With this feature you can capture, visualize and quantify a full organ (liver, pancreas), a full uterus or a full fetus in 3D panoramic volume. Requires X6-1 xMATRIX transducer.</p>	
6	<p><b>Contrast GI</b></p> <p>Allows the user to optimally image approved contrast agents utilizing the following transducers: C5-1, C9-2, C9-4v, C10-3v, C10-4ec, L12-5, L12-3, S5-1, V6-2 and X6-1.</p> <p>Dual display shows both the contrast image and the tissue image (fundamental) at low MI with no decrease in frame rate.</p>	
7	<p><b>TrueVue / aReveal Bundle</b></p> <p>This bundle includes TrueVue and aReveal. Features are available on-cart only, and not available for Q-Lab off-cart at this time.</p> <p>TrueVue, with its virtual light source, is a proprietary advanced 3D ultrasound display method that delivers amazing lifelike 3D ultrasound image and gives the operator the ability to move the light source anywhere in the 3D volume. TrueVue includes GlassVue, which provides an early, more transparent view of the fetal anatomy than traditional ultrasound.</p> <p>aReveal is an intelligent workflow tool that automatically – with just the push of a button – removes unwanted data around the 3D fetal face. aReveal works with both traditional 3D rendering and TrueVue display methods.</p>	
8	<p><b>Battery Std Life Package</b></p> <p>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.</p>	
9	<p><b>Government Security</b></p> <p>Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.</p>	
10	<p><b>X6-1 / C5-1 Transducer Pkg</b></p> <p>PureWave xMATRIX transducer with 6-1 MHz extended operating frequencies for abdominal and OB applications. Unique high density array of over 9200 fully sampled elements allows 2D, xPlane and Live volume images. C5-1 PureWave Broadband Curved Array Transducer with a 5 to 1 MHz extended operating frequency range. (on GI EPIQ only).</p>	
11	<p><b>L12-3 Transducer</b></p>	

Line #	Description	Qty
	Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts applications.	
12	<b>L12-5 Transducer Compact</b>	
	Fine pitch, 256 element, high resolution linear array transducer with 12 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, vascular and musculoskeletal imaging.	
13	<b>C10-3v Transducer Compact</b>	
	PureWave Curved array transducer with 3 to 10 MHz operating frequency range, end fire sector, 11.5 radius at curvature, 130 degree field of view for endovaginal applications.	
14	<b>ElastQ Imaging (EQI) Curved</b>	
	ElastQ Imaging (EQI) for curved array (C5-1) features a real-time, large region of interest (ROI) color coded quantitative assessment of tissue stiffness using shear wave elastography. ElastQ Imaging includes the ability to make retrospective measurements on stored images as well. Unique confidence map display utilizes intelligent analysis that adds additional assurance that user measurements are obtained on tissue areas with adequate shear wave propagation. EQI also includes ElastPQ shear wave point quantification technology support.	
15	<b>English Manual</b>	
	Operation Manual	
16	<b>Internal B&amp;W Printer</b>	
	Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.	