

REQUESTING SERVICE: SURGICAL
SHIP TO: SUP WAREHOUSE
V.A. Medical Center
1100 N. COLLEGE
BUILDING 8
FAYETTEVILLE, AR 72703
REQUISITION: 564-B80003

Line #	Description	Qty
1	Affiniti 50 G System	1

Affiniti features an uncompromised level of clinical performance to meet the challenges of today's busy ultrasound practices

- New tablet like interface revolutionizes how you interact with the system resulting in a reduction in exam reach and exam steps.
- Large 21.5-inch high definition LCD display for easy viewing in virtually any environment
- Infinite articulation of control panel with tilt/swivel monitor allows for perfect alignment whether sitting or standing (180 degrees of freedom from center) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Integrated footrest
- Integrated storage shelves and drawer
- 4 wheel swivel and swivel/brake lock control
- Up to 4,718,592 total digital channels
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 280 dB for improved 2D
- Powerful distributed multi-core processing architecture capable of achieving 225 x 109 40-bit Multiply-Accumulates/second. Includes 512 GB hard drive
- 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
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode Triplex operation
- 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.

Transducers

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

- 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 mechanical volume transducers

Automation

Designed with our most innovative tools to maximize efficiency

Line #	Description	Qty
	<ul style="list-style-type: none"> Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D. Intelligent Tissue Specific Imaging 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
- 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

- Abdomen clinical option
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW Continuous Wave Doppler, Chroma Imaging, Tissue Doppler Imaging, Pulse Inversion, 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

Allows operation of L12-5, S4-2, C6-2, L12-4 transducers.

NetLink DICOM

Provides network print and store, commit, modality worklist, and structured reporting for adult and pediatric echo, vascular, and OB/GYN. Integrated Wireless DICOM with WEP2 security capability. Also enables DICOM Query and Retrieve (optional capability).

Transducer Cable Management

Unique cable management system that keeps cables tangle and damage free, while also decreasing cable strain for greater operator comfort while scanning. Provides cable management for two transducers.

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).

Line #	Description	Qty
	Freehand 3D Allows acquisition of 3D freehand uncalibrated data with any linear or curved array probe except motorized transducers S-Video 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. BST ONLINE COURSE (qty 2) –The Basic System Training e-learning curriculum is focused on your Philips Ultrasound System. The aim of this comprehensive series is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self paced courses to familiarize you with your ultrasound system.	
2	Articulating Arm Extending and fully articulating arm that enables nearly infinite ergonomic positioning adjustments of the LCD monitor.	1
3	C6-2 Transducer Affiniti G and W: Curved array transducer with 6 to 2 MHz extended operating frequency range. C6-2 Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Affiniti C: Curved array transducer with 6 to 2 MHz extended operating frequency range. C6-2 Curved Array for high performance Fetal Echo and Abdominal applications.	1
4	English Manual Operation Manual	1
5	No Battery Option	1
6	Affiniti Prostate Bundle Small Parts Clinical Option <ul style="list-style-type: none"> Tissue Specific Imaging software for linear array transducers in Small Parts ultrasound applications Display optimization software with Tissue Specific presets for Small Parts imaging and Doppler applications Analysis software package includes a general imaging protocol and report PSA density measurements 	1

Line #	Description	Qty
	Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	

Urology Clinical Option

- Tissue Specific Imaging software for specific transducers in urology ultrasound applications including renal, bladder and prostate clinical applications.

Affiniti 70: Allows operation of C5-1, C6-2, C9-2, C10-3v, C10-4ec, C9-4v and BP10-5ec transducers.

Affiniti 50: Allows operation of C6-2, C10-4ec, C9-4v and BP10-5ec transducers.

C10-4ec Transducer

Curved Array transducer with 10 to 4 MHz extended operating frequency range, end-fire sector, 8 mm radius of curvature, 150 degree field-of-view, for endocavitary applications including endovaginal (OB Early and OB Fetal Heart only) and endorectal (prostate). Not suitable for GYN applications.

7	Promo Affiniti Online Bundle	1
This promotion provides a subscription for one person to access one of the four following online eLearning options: (1) Cardiac Echo online courses, (2) Women's Healthcare online courses, (3) General Imaging online courses, OR (4) Vascular online courses. The goal of the curricula is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self-paced courses covering relevant topics. This online tuition expires 180 days after the system install.		

Line #	Description	Qty
1	C10-4ec Transducer Curved Array transducer with 10 to 4 MHz extended operating frequency range, end-fire sector, 8 mm radius of curvature, 150 degree field-of-view, for endocavitary applications including endovaginal (OB Early and OB Fetal Heart only) and endorectal (prostate). Not suitable for GYN applications.	10