

Ultras

d System

Qty Product

- Abdominal Clinical Option
- Musculoskeletal Clinical Option
- Intima Media Thickness Q-App (IMT)
- Battery Std Life Package
- Government Security
- L12-5 Transducer Compact
- C5-1 Transducer
- ElastQ Imaging (EQI) Curved
- English Manual
- Internal B&W Printer
- Trade in Allowance

Ultrasound System

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Line #	Part #	Description	Qty	Each	Price
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1

System

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.

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.
- 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 (37-41bD) – equivalent to the sound of a library
- 4 transducer ports
- Integrated footrest
- Integrated storage shelves
- 4 wheel swivel and swivel/brake lock control

The most powerful architecture ever applied to ultrasound imaging

- Proprietary nSight architecture - a totally new way to form ultrasound images – all without compromise.

The combination of a new precision beamformer and massive parallel processing allow 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 4,718,592 total digital channels
- 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
- with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode Triplex operation

Ultrasound System

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 mechanical volume transducers

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 with WEP security
- 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 DICOM images or export in JPEG and .avi for PC compatibility
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export QLAB native data

Other Core Features

- 2D Panoramic
- Color Power Angio

Ultrasound System

- 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 Doppler
- 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
- Tissue Doppler Imaging
- LVO
- 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).

EPIQ DVD Option

S-Video

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.

Ultrasound System

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.

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| 2 | Abdominal Clinical Option | 1 |
| | <ul style="list-style-type: none">- 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:<ul style="list-style-type: none">- General imaging- Renal- Abdominal vascular- Abdominal bowel | |
| | Allows operation of C5-1, C9-2, L12-3 Transducers. | |
| | For 5C: <ul style="list-style-type: none">- Analysis software package includes a general imaging protocol and report, and Tissue Specific Imaging settings for:<ul style="list-style-type: none">- General imaging- Renal- Abdominal vascular | |
| | Allows operation of C5-1, C9-2, L12-3 Transducers. | |
| 3 | Musculoskeletal Clinical Option | 1 |
| | The Musculoskeletal Clinical Option was developed to support the expanding application area of musculoskeletal ultrasound. The musculoskeletal Tissue Specific Imaging settings support high resolution broadband transducers including L18-5, L12-5, L12-3 and L15-7io. These TSI settings enable clinicians to select General or Superficial imaging setting. | |
| 4 | Intima Media Thickness Q-App (IMT) | 1 |
| | 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. | |
| 5 | Battery Std Life Package | 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 | Government Security | 1 |
| | Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data. | |
| 7 | L12-5 Transducer Compact | 1 |

Ultrasound System

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.

8	C5-1 Transducer	1
<p>For 5G and 5W: PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p> <p>For 5C: 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.</p>		
9	ElastQ Imaging (EQI) Curved	1
<p>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.</p>		
10	English Manual	1
<p>Operation Manual</p>		
11	Internal B&W Printer	1
<p>Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.</p>		
12	Trade in Allowance	1
<p>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.</p> <p>Product: MINDRAY MINDRAY Serial Number: NW-24001938 Manufacturer: MINDRAY ULTRASOUND</p>		