

XR US, VAMC WASHINGTON, DC  
PO# 688-B78056

| Qty | Item Description   |
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| 1   | <b>ACUSON S3000 Mainframe</b><br>The ACUSON S3000(tm) ultrasound system mainframe is the new ultra-premium system in the expanding ACUSON S Family(tm) of ultrasound systems.  |
| 1   | <b>S3000 VE10x SW</b><br>The ACUSON S3000(tm) ultrasound system, HELX(tm) Evolution with Touch Control software license provides a range of performance improvements including imaging improvements to the 6C1HD and 18L6HD transducers.   |
| 1   | <b>S3000 VE10x Oper Sys, Eng</b><br>This configuration option includes the software operating system supporting Windows(r) 7 for English-speaking customers.   |
| 1   | <b>S3000 VE10x English Keyboard</b><br>The ACUSON S3000(tm) ultrasound system, HELX(tm) Evolution with Touch Control keyboard option provides access to a pull-out tactile QWERTY keyboard supported for various languages.  |
| 1   | <b>S3000 115V Power Supply</b><br>Standard power supply for USA  |
| 1   | <b>S3000 NTSC Video Interface</b>  |
| 1   | <b>S3000 Adv. Cadence CEUS</b><br>The Advanced Cadence Package combines Cadence(tm) contrast pulse sequencing technology (CPS) with the complementary Cadence(tm) contrast harmonic imaging (CHI) to provide comprehensive contrast-enhanced ultrasound capabilities.<br><br>The Cadence contrast pulse sequencing method is a function of proprietary combinations of multiple pulses and the filtering for the contrast agent-generated non-linear fundamental signal. Cadence CPS technology is displayed in a simultaneous, live dual-format contrast agent image next to a fundamental B-mode image.<br><br>Cadence CHI uses phase inversion technology to isolate second harmonic data, allowing the enhanced visualization of small vascularities and volumes when imaging with contrast agent. Cadence CHI enhances resolution, delineation, and detection of lesions and areas of low flow/small vasculature. |

**Qty****Item Description**

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**S3000 Virtual Touch Quant USA**

Virtual Touch(tm) quantification (VTq) is a real-time measurement technique that utilizes the shear waves that arise with use of Acoustic Radiation Force Impulse (ARFI) imaging technology.

- Visualization of the desired anatomical location in the B-mode image allows accurate and consistent placement of the measurement cursor.
- Sophisticated pulse formation and high speed signal processing allows real-time quantitative measurement of the shear wave velocities as they pass through a small region of interest.
- The speed at which these shear waves pass through tissue correlates with the tissue stiffness, enabling exact measurement. Measurements may be placed into a comprehensive measurement package during the routine ultrasound exam, enhancing workflow.

Helx Evolution Hardware and Software (VC30 or Above) are required for the implementation of Virtual Touch(tm) Quantification.

Available with the 6C1 HD, 4V1, 4C1 and 9L4 transducers

Product pending shipment confirmation.

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**S3000 Virtual Touch Tissue Img**

Virtual Touch(tm) tissue imaging is a real-time dual display imaging mode that utilizes Acoustic Radiation Force Impulse (ARFI) imaging technology to gently displace tissue for qualitative evaluation of relative tissue stiffness of focal changes in tissue, compared to surrounding tissue. The system automatically generates the tissue displacement without manual tissue compression, so that stiffness of deeper lesions can be visualized as compared to conventional Elasticity Imaging techniques. This qualitative view of tissue stiffness is accomplished using axial displacement correlation methods and displays relative stiffness in gray scale or color. Sophisticated Pulse formation and high speed signal processing allows Real-Time ARFI image generation to enhance exam workflow

Available with the 4V1, 4C1, 6C1 HD and 9L4 transducers.

Exam types: Abdomen, Renal, Breast, Thyroid

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**S3000 Virtual Touch IQ, USA**

The ACUSON S3000(tm) ultrasound system Virtual Touch(tm) IQ software license is a required peripheral for the use of color-coded tissue stiffness map and shear wave velocity measurements on a single image.

With Virtual Touch IQ, Siemens adds the third generation of its recognized strain solutions, providing a single image presentation of both qualitative and quantitative assessment of tissue stiffness. Virtual Touch IQ provides immediate visual assessment of lesions and simultaneous quantitative evaluation. It also allows faster and more accurate stiffness quantification.

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**S3000 eSie Touch Elasticity Imaging**

eSie Touch(tm) elasticity imaging is a manual elastography tool that uses gentle compression to provide a high-resolution elastogram. It offers further clinical information for assessment of breast lesions by providing display of relative tissue stiffness. A wide range of exam types and transducers extends clinical utility beyond traditional breast exams and allows relative tissue analysis to support and assist in the assessment of multiple clinical tissue appearances.

eSie Touch elasticity imaging is a real-time qualitative imaging method that calculates and displays the relative stiffness of tissue.

eSie Touch elasticity imaging is primarily optimized for breast and prostate exam types. Secondary applications are thyroid, peripheral vascular, abdominal, and musculoskeletal. Available on the 14L5, 4C1, 6C2, 6C1 HD, 18L6HD, 9L4, MC9-4, and EC9-4 transducers.

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| 1   | <p><b>S3000 eSie Strain Ratio</b></p> <p>eSie Strain Ratio allows for a quantifiable method of comparing the strain between two user-selectable regions of interest of an elastogram.</p>   |
| 1   | <p><b>S3000 3-Scape 3D Imaging</b></p> <p>3-Scape(tm) real-time 3D imaging is fully integrated into the ACUSON S3000(tm) ultrasound system, providing real-time construction of 3D images during free-hand acquisition. 3-Scape imaging offers multiple rendering methods, an array of editing tools, and 3D storage and retrieval functionality. 3-Scape imaging is available in 2D, tissue harmonic imaging (THI), and power modes.</p> <p>When combined with Advanced SieClear(tm) spatial compounding (standard), the 3D Dynamic TCE(tm) tissue contrast enhancement technology is available, providing a rendered volume applying a speckle reduction algorithm.</p> |
| 1   | <p><b>S3000 Advanced fourSight Technology</b></p> <p>Advanced fourSight(tm) technology offers broad 3D/4D acquisition, data rendering, and post-processing functionality. Functions include MultiSlice, Thick Slice Imaging (TSI), curved-top Volume of Interest (VOI), curved MultiPlanar Rendering (MPR), sub-states, Gradient Light, and Inversion.</p>  |
| 1   | <p><b>S3000 syngo eSieCalc</b></p> <p>The ACUSON S3000(tm) ultrasound system syngo(r) eSieCalcs(tm) native tracing software provides the ultimate workflow solution for performing traced measurements. It performs automated trace measurements with area, circumference, linear, and volume results. syngo eSieCalcs software can be utilized in place of manually traced measurements. Editing tools provide for quick realignment of the automatic trace.</p>   |
| 1   | <p><b>S3000 Cardiac Application Module</b></p> <p>The Cardiac Application Module provides:</p> <ul style="list-style-type: none"> <li>- Support for adult, pediatric, and neonatal echocardiography.</li> <li>- Supported transducers include the 4V1C, 4P1, 10V4, and CW2 Aux CW.</li> <li>- Imaging modes include 2D, pulsed and CW Doppler, spectral Doppler Tissue Imaging, M-mode, and Color M-mode.</li> <li>- A comprehensive measurement and report package completes the cardiac application.</li> <li>- Physio functionality with auxiliary ECG input is included.</li> <li>- Simultaneous clip playback is also supported.</li> </ul>                          |
| 1   | <p><b>S3000 eSie Fusion</b></p> <p>The ACUSON S3000(tm) ultrasound system eSieFusion(tm) option includes the following:</p> <ul style="list-style-type: none"> <li>- Magnetic field generator with connector cable</li> <li>- Magnetic field generator mounting pole</li> <li>- General-purpose sensor</li> <li>- Trakstar2</li> <li>- Cable clips</li> <li>- Sensor mounting</li> <li>- Fusion box</li> <li>- USB cable</li> <li>- Tracking bracket</li> <li>- eSieFusion imaging SW</li> </ul>  |
| 1   | <p><b>S3000 eSie Guide for Fusion</b></p> <p>The ACUSON S3000(tm) ultrasound system eSie Guide Imaging Needle Tracking Kit is a required peripheral for eSie Fusion(tm) Imaging with needle guidance. It provides the necessary equipment to track and re-use disposable needles.</p>   |

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|     | <p>The ACUSON S3000 system eSie Guide Imaging Needle Tracking Kit includes the following:</p> <ul style="list-style-type: none"> <li>• Multi-use Needle Sensor</li> <li>• ETRAX Starter Kit with Disposable 16ga Needles</li> </ul>  |
| 1   | <p><b>9L4 Fusion Brkt w/needle guide</b></p> <p>The 9L4 fusion bracket with needle guide provides a reusable needle guide bracket that can be disinfected for use in ultrasound-guided needle biopsies using eSieFusion(tm) imaging.</p>   |
| 1   | <p><b>4C1/6C1 Track Brkt w/guide, S3000</b></p> <p>The 4C1 tracking bracket with guide is an attachable transducer bracket compatible with the 4C1 and 6C1 transducers. These brackets aid in needle-guided biopsies.</p>  |
| 1   | <p><b>4V1 Track Brkt w/guide, S3000</b></p> <p>The 4V1 tracking bracket with guide is an attachable transducer bracket is compatible with the 4V1 transducer. This bracket aids in needle-guided biopsies.</p>   |
| 1   | <p><b>S3000 Wireless Configuration,Non-EU</b></p> <p>Includes the hardware and software needed to enable wireless capabilities on the ACUSON S3000(tm) ultrasound system.</p>  |
| 1   | <p><b>8C3HD Transducer, S3000</b></p> <p>The 8C3 HD transducer is the newest addition to the HD transducer family and provides high resolution with a 50 percent larger field of view when compared with standard transducers.</p>   |
| 1   | <p><b>6C1 HD Transducer, S3000</b></p> <p>The 6C1 HD high-density array transducer enhances the ACUSON S3000(tm) ultrasound system capabilities. It provides not only the fundamental imaging capabilities such as B-mode, color and PW Doppler, color Doppler Energy (CDE), Tissue Harmonic Imaging (THI), and TEQ(tm) ultrasound technology, but also supports advanced technologies such as Advanced SieClear(tm) spatial compounding and Dynamic TCE(tm) tissue contrast enhancement technology.</p> <p>The transducer technology and design support a frequency range of 6 MHz to 1 MHz. Both fundamental and harmonic frequencies are supported.</p>   |
| 1   | <p><b>18L6 HD Transducer, S3000</b></p> <p>The 18L6 HD (high density) is a large-format, 50 mm linear transducer with a 6 to 18 MHz bandwidth. The 18L6 HD utilizes Hanafy lens transducer technology, providing an industry-leading high density 100 micron pitch for unrivaled contrast and spatial resolution. Additionally, patented micro-pinless (MP) connector technology and wideband MultiHertz(tm) multiple frequency imaging capabilities set the standard for high frequency imaging. It is built with patented Elastogrip(tm) ergonomic grip coating for unrivaled grip comfort and features a specially designed SuppleFlex(tm) transducer cable with lightweight design to reduce operator fatigue.</p> |
| 1   | <p><b>12L4 Transducer S3000</b></p> <p>The ACUSON S3000TM ultrasound system 12L4 transducer is a mid-frequency 4-12 mHz linear transducer delivering exquisite image quality for breast and vascular applications. The 12L4 transducer supports eSieImage(tm) multiparametric optimization.</p>  |
| 1   | <p><b>MC9-4 Transducer, S3000</b></p> <p>The MC9-4 transducer provides essential functionality for the Gynecological ultrasound exam, with superior image quality and penetration. Extremely lightweight and thin, the transducer is ergonomic for the user and comfortable for the patient. The MC9-4 utilizes a patented ACUSON(tm) micro-pinless transducer connector.</p>  |
| 1   | <p><b>10V4 Transducer (MP), S3000</b></p> <p>The 10V4 transducer utilizes ACUSON(tm) patented micro-pinless (MP) connector technology. Based on Wideband MultiHertz(tm) multiple frequency technology this 128 element, multi-frequency, phased array transducer provides excellent contrast and detail resolution. The 10V4 is ergonomically optimized with the SuppleFlex(tm) transducer cable and microCase(tm) transducer miniaturization technology designs. The 10V4 transducer supports</p>   |

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|     | both cardiac and general imaging applications.   |
| 1   | <b>4V1C Transthoracic Xdcr, S3000</b><br>A vector wide-view array transducer for transthoracic adult and pediatric echocardiography.   |
| 1   | <b>S3000 Gel Warmer</b><br>The ACUSON S3000(tm) ultrasound system touch control keyboard option provides access to an integrated gel warmer.   |
| 1   | <b>ECG Leads, USA Type, S3000</b><br>Set contains Connector cable and 3-leads ECG cable (white/red/black markings).  |
| 1   | <b>S3000 VE10X Cardiac Base Sys</b><br>The ACUSON S3000(tm) ultrasound system, HELX(tm) Evolution with Touch Control with cardiac imaging configuration for customers seeking shared service use includes SieStream(tm) HD hardware imaging components which deliver performance enhancements in image quality, workflow, and sustainability.  |
| 1   | <b>S3000 with Touch Control</b><br>The ACUSON S3000(tm) ultrasound system touch control package provides access to the HELX Evolution with Touch Controls and workflow innovations.<br><br>This configuration option includes the hardware necessary for a touch display panel and a redesigned tactile control panel.   |
| 1   | <b>S3000 Fusion Cover</b>  |
| 1   | <b>Initial onsite training 16 hrs-FMV</b><br>Up to (16) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.  |
| 1   | <b>teamplay Welcome &amp; Registration Package</b><br>teamplay is a cloud-based network that brings together your imaging modality users, the systems' dose and utilization data, and the users' expertise to help you improve the delivery of care to your patients. Basic features are provided free of charge. Premium features (benchmarking, non-Siemens devices) are provided on a trial basis for three months at no charge, and may be used thereafter on a subscription fee basis.<br>To register: <a href="http://teamplay.siemens.com/#/institutionRegistration/1">http://teamplay.siemens.com/#/institutionRegistration/1</a>  |
| 1   | <b>Elevate Trade In Promotion</b><br>Trade-in value is valid for forty-five (45) days from the date of the quotation. After that time it must be revalued.<br><br>The trade-in equipment shall be free and clear of all liens, encumbrances, security interests, assessments, rights of distraint and any other third party claims. Purchaser shall provide Siemens or its designated dealer or agent with access to the trade-in equipment within 48 hours after installation of the new equipment. Title and risk of loss to the trade-in equipment shall pass to Siemens or its designee upon installation of the purchased equipment at the Purchaser's facility. In the event that access to the trade-in equipment is denied for more than 30 days after shipment of the new equipment, then the Purchaser shall pay to Siemens the amount of ten (10) percent of the total trade in value including Elevate discounts (no less than \$1000) for each month, or part thereof, that access is denied. In addition, in the event that the trade-in equipment does not meet manufacturer's operating specifications or is not otherwise in the condition as stated in the trade-in specification sheet at the time of trade-in, or in the event that any trade-in items are not returned or otherwise made available to Siemens or its designee, then Purchaser shall be invoiced and shall pay for any missing or damaged items/equipment, or the trade-in value set forth in this Quotation shall be adjusted in Siemens' sole discretion |

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| 1   | <b>12L4 Transducer Offset</b><br>With the purchase of an 18L6 HD transducer, the 12L4 will be included at no additional charge for a limited period of time. The US_PR_12L4_OFFSET is only valid in conjunction with a new S Family HELX Evolution with Touch Control (ACUSON S1000, S2000, S3000) ultrasound system purchase. |
| 1   | <b>S3000 Touch CEUS Offset</b>   |
| 1   | <b>S3000 Touch VTq Offset</b>  |
| 1   | <b>S3000 Touch VTIQ Offset</b>   |
| 1   | <b>S Family Service Manual, VD10x</b>  |

**System Total:**

Trade-in-Allowance for S2000 Classic FL# 400-467094/SN 208867, expires 9/30/2017

Trade-in value is valid for forty-five (45) days from the date of the quotation. After that time it must be revalued.

The trade-in equipment shall be free and clear of all liens, encumbrances, security interests, assessments, rights of distraint and any other third party claims. Purchaser shall provide Siemens or its designated dealer or agent with access to the trade-in equipment within 48 hours after installation of the new equipment. Title and risk of loss to the trade-in equipment shall pass to Siemens or its designee upon installation of the purchased equipment at the Purchaser's facility. In the event that access to the trade-in equipment is denied for more than 30 days after shipment of the new equipment, then the Purchaser shall pay to Siemens the amount of ten (10) percent of the total trade in value including Elevate discounts (no less than            for each month, or part thereof, that access is denied. In addition, in the event that the trade-in equipment does not meet manufacturer's operating specifications or is not otherwise in the condition as stated in the trade-in specification sheet at the time of trade-in, or in the event that any trade-in items are not returned or otherwise made available to Siemens or its designee, then Purchaser shall be invoiced and shall pay for any missing or damaged items/equipment, or the trade-in value set forth in this Quotation shall be adjusted in Siemens' sole discretion

One complimentary biomedical tuition is included with the purchase of this system.

Offset Part 11147913 S Family Service Manual, VD10x

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**OPTIONS**

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| Qty | Item Description   |
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| 1   | <p><b>7CF1 Transducer, S3000</b></p> <p>The 7CF1 transducer offers a broad frequency range and superior image quality, contrast and detail resolution in 2D, 3D, and real-time 3D imaging modes. This transducer capably covers the majority of transabdominal radiology and OB/GYN needs. Small and lightweight, it is ergonomically comfortable and allows easy access to imaging windows. The 7CF1 utilizes a patented ACUSON(tm) micro-pinless transducer connector.</p> |

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# Detailed Technical Specifications

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## ACUSON S3000 Touch Screen ultrasound system

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### Description

In keeping with the ultra-premium nature of the ACUSON S3000 system, key technologies with leading features such as Data Transfer to Nuance PowerScribe | 360 and Measurement Export are included. Also, the following software packages are included as standard on the mainframe:

- Advanced SieClear™ spatial compounding provides image quality with stellar detail and contrast resolution. Advanced SieClear compounding offers an industry first with 13 lines of site.
  - Advanced SieClear spatial compounding in Color & Power Doppler enables ASSC when either Color or Power Doppler is active, bringing the Advanced SieClear spatial compounding image quality advantages to Doppler imaging (available in HELX (VC30) software level and above).
  - eSiImage™\* multi-parameter image optimization technology maintains image uniformity across all patient body types by adaptively compensating for varying tissue attenuation characteristics in real-time during scanning and allows gain and TEQ adjustments in post processing (available in HELX (VC30B\*) software level and above)..
  - Clarify™ Vascular Enhancement (VE) technology uniquely utilizes power Doppler flow information to enhance B-mode imaging. The Clarify VE technology option reduces slice thickness artifact in 2D throughout the field of view and reduces noise within macro and micro-vascular structures to further enhance tissue characterization and contrast resolution as well as improve boundary detection between tissues and clearly delineate vessel walls.
  - TEQ™ ultrasound technology now offers a sophisticated solution for 2D and Spectral Doppler imaging optimization with a push of a button. TEQ ultrasound technology significantly reduces time spent optimizing imaging performance, while improving the consistency and quality of diagnostic exams.
  - The ACUSON S3000 system Multi-modality Review software license enables side-by-side comparisons of ultrasound with CT and MR images. The rapid query, retrieval, and side-by-side comparison of multiple modalities may aid in the differential diagnosis of lesions and increase accuracy of follow-up measurements performed in the same plane as well as enhance workflow with immediate reference to CT/MR/Mammograms.
  - The SieScape™ and Color SieScape™ panoramic imaging option allows real-time acquisition and display of B-mode panoramic images up to 240 cm in length or in angular measurements up to 180 degrees. Large organs and long vessels can be displayed in their full dimension.
  - Data transfer to Nuance Powerscribe® 360 | Reporting enables the ACUSON S3000 ultrasound system to send measurement data at the end of the exam directly to Nuance PowerScribe 360 | Reporting via Nuance's Web Services API. The customer is responsible for set up and installation on the PowerScribe 360 | Reporting side (creation of custom fields for each desired ACUSON S3000 measurement field in the PowerScribe 360 | Reporting database and modification of customer reports to include those custom fields). Customers should contact their Nuance Sales Executive regarding Nuance fees and support services.
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| <ul style="list-style-type: none"> <li>- Wireless Connectivity includes the hardware and software needed to enable wireless capabilities on the ACUSON S3000 system. This option is only being offered to qualifying sites that meet certain network specifications</li> </ul>   |
| <p>For additional details regarding the ACUSON S3000 system software license or associated features, please refer to the datasheet and/or specifications.</p> <p>The ACUSON S3000 system, HELX Evolution with Touch Control can be configured for the HELX Evolution (VE10X) software level only.</p>  |
| <p>For additional details regarding the ACUSON S3000 system, HELX™ Evolution with Touch Control with English operating system please refer to the datasheet and/or specifications.</p> <p>The ACUSON S3000 system, HELX Evolution with Touch Control with English operating system can be configured for the HELX Evolution VE10X software level only.</p>   |
| <p>For additional details regarding the ACUSON S3000™ ultrasound system, HELX™ Evolution with Touch Control keyboard option, please refer to the datasheet and/or specifications.</p> <p>The ACUSON S3000™ ultrasound system HELX Evolution with Touch Control keyboard option can be configured for the HELX Evolution VE10X software level only.</p>   |
| <p><i>The Cadence contrast pulse sequencing technology option includes both low-MI (CPS) and high-MI (ADI) contrast technologies for the 4C1 transducer, while the 9L4, MC9-4, and EC9-4 transducers only support low-MI technology (CPS).</i></p> <p><i>This option can be purchased for a reduced price with the ACUSON S3000™ ultrasound system Advanced Contrast Img and Quantification, which includes Cadence CPS technology, Cadence CHI technology, and Contrast Dynamics™ software.</i></p>   |
| <p>Export of the measurement data together with quantification data and observations is supported through DICOM SR.</p>  |
| <p>A unique solution, eSie Touch elasticity imaging allows the user to generate the elastogram by applying gentle sequential compression cycles during standard B-mode imaging. This relative displacement of tissue is displayed as an elastogram in a live dual-image display of the grayscale or color image with the standard B-mode image.</p>  |
| <p>Unique to 3-Scape imaging is the ability to transfer the volume data sets as clips. All three orthogonal planes are converted to clips as defined by the user. Since there is no DICOM standard for volume data sets, the transfer of an entire volume over the network to any workstation is possible. Each acquired orthogonal plane can be viewed as a clip, thereby reducing the amount of effort necessary for reviewing volume data.</p>  |
| <p>Advanced <i>fourSight</i> technology offers broad 3D/4D acquisition, data rendering, and post-processing functionality. For acquisition, the Advanced <i>fourSight</i> technology offers sub-states that provide factory-optimized settings for quick access to the primary rendering needs based on the type of tissue being rendered. These include spine, fetal face, fetal heart, and fetal brain. Gradient Light is a rendering method that simulates the reflection of light off a surface, resulting in improved depth perception. Inversion mode allows anechoic structures to appear echogenic and echogenic structures to appear anechoic, thereby enhancing the visualization of internal surfaces. Clinical applications could include hydrocephalus, fetal heart, bowel obstruction, bladder, gall bladder, and ovaries. MultiSlice format allows the user to select range, slice spacing, and format for viewing each slice. The MultiSlice formats support up to 36 slices at once. Thick Slice Imaging (TSI) enables definition of a view plane and creates a thick slice around the region of interest. The benefit is improved contrast resolution, providing more information in a</p> |

## Description

single image. Curved-top Volume of Interest (VOI) allows the straight line of the render direction to be adjusted to contour the shape of the view plane of the Volume of Interest. The benefit is better alignment with anatomy, resulting in improved rendered results with reduced shadowing artifacts. Curved MultiPlanar Rendering (MPR) enables real-time multiplanar reformatting of images into any linear or curved plane. This permits the user to set points along a curved object in order to straighten it, such as the fetal spine.

*syngo* eSieCalcs software is an adaptive algorithm software developed by Siemens Corporate Research. It is based on border detection technology, allowing for accurate automatic tracing of lesions as well as anatomical structures.

Cardiac imaging provides optimization parameters such as DTO™ Dynamic Tissue Optimization technology for creating an optimal image. The extensive measurement package provides measurements and calculations to meet the needs of any customer, such as quantification for spectral DTI™ Doppler tissue imaging capability, PISA, and pulmonary veins.

The 9L4 fusion bracket with needle guide can be configured for the ACUSON S3000 ultrasound system, HELX™ Evolution with Touch Control, VE10X software level only.

The 4C1 and 6C1 HD transducer tracking bracket with guide on the ACUSON S3000™ ultrasound system supports eSieFusion™ imaging and eSie Guide needle tracking and requires at minimum the 1.5 Release (VC25A) software upgrade.

When the eSieFusion imaging Basic Kit is selected, this bracket must be ordered since it attaches the general-purpose sensor to the transducer.

The 4V1 tracking bracket with guide on the ACUSON S3000™ ultrasound system supports eSieFusion™ imaging and eSie Guide needle tracking and requires at minimum the 1.5 Release (VC25A) software upgrade.

At the time of release, the wireless connectivity feature will support only the following specifications:

- WLAN types and speeds: WLAN type: broadcasting or non-broadcasting, WLAN speed: 802.11b/g, 802.11g, 802.11b, 802.11a and 802.11n
- Authentication protocols: Open shared, WPA, WPA-PSK, WPA2, WPA2-PSK
- Data encryption types: WEP, TKIP, AES or none
- Extensible authentication protocols (EAP): EAP-PEAP-MSCHAPV2(PEAPv0), if used at the site

To ensure functionality, please certify that the site meets the above specifications.

The 18L6 HD extends over multiple superficial applications.

For additional details regarding the ACUSON S3000 system 12L4 transducer or associated features, please refer to the data sheet and/or specifications.

Supports the following imaging modes:

- 2D
- Color Doppler (CDV, DTV, DTE)
- M-mode
- Spectral Doppler (PW, CW, PW DTI)
- Left Ventricle Outflow LVO contrast

For additional details regarding the ACUSON S3000 system, HELX™ Evolution with Touch Control integrated gel warmer please refer to the datasheet and/or specifications.

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| <b>Description</b>   |
| <p>For additional details regarding the ACUSON S3000 system, HELX Evolution with Touch Control CV base system, please refer to the datasheet and/or specifications.</p> <p>The ACUSON S3000 system, HELX Evolution with Touch Control CV base system can be configured the HELX Evolution VE10X software level only.</p> |
| <p>For additional details regarding the ACUSON S3000 system HELX Evolution with Touch Controls please refer to the datasheet and/or specifications.</p>  |