

605-B70017 XR US
VAMC Loma
Linda CA
Trade-In
allowance

**Extended
Price**

Qty	Part No.	Item Description	
1		S3000 115V Power Supply Standard power supply for USA	
1		S3000 NTSC Video Interface	
1		S3000 eSie Fusion imaging The eSieFusion(tm) imaging software license is an option for expanding the application range of the ACUSON S Family(tm) ultrasound systems. It provides access to fast and easy fusion of computed tomography (CT) and magnetic resonance (MR) volumes with ultrasound, making fusion imaging available for both interventional and follow-up ultrasound examinations. Fusing computed tomography (CT) and ultrasound images combines the benefits of real-time ultrasound imaging with the global imaging display of CT. MR volume registration is also provided, offering significantly enhanced workflow benefits over previously available fusion methods.	
1		S3000 eSie Fusion Basic Kit The ACUSON S3000(tm) ultrasound system eSieFusion(tm) imaging Basic Kit is required for eSieFusion imaging. This kit provides the necessary additional hardware to run fusion. The eSieFusion imaging Basic Kit includes the following: <ul style="list-style-type: none">• Cable USB connector to TrakStar2 box• Power cable for TrakStar2 box• General-purpose sensor for transducers• Cable clips and sensor mounting• Magnetic field tracking box: TrakStar2 The eSieFusion imaging Basic Kit must be used in conjunction with the Advanced Kit (MR Transmitter and/or Pole for MRT). This feature is a Siemens pioneering technology and is exclusive to the ACUSON S3000 system.	
1		S3000 eSie Fusion Advanced Kit 1 The ACUSON S3000(tm) ultrasound system eSieFusion(tm) imaging Advanced Kit is an optional peripheral for eSieFusion imaging but required if fusion is required in the CT suite. The eSieFusion imaging Advanced Kit includes the following: <ul style="list-style-type: none">• Magnetic field generator with connector cable• Magnetic field generator mounting pole The eSieFusion imaging Advanced Kit must be used in conjunction with the Basic Kit (general-purpose sensor, electronics unit, cable clips, sensor mounting, USB cable, and power cable), eSieFusion imaging software license, and tracking brackets with or without needle guides. This feature is a Siemens pioneering technology and is exclusive to the ACUSON S3000 system.	
1		S3000 eSie Guide for Fusion 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. The ACUSON S3000 system eSie Guide Imaging Needle Tracking Kit includes the following: <ul style="list-style-type: none">• Multi-use Needle Sensor• ETRAX Starter Kit with Disposable 16ga Needles	

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1		4C1/6C1 Track Brkt w/guide, S3000 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.	
1		4V1 Track Brkt w/guide, S3000 The 4V1 tracking bracket with guide is an attachable transducer bracket is compatible with the 4V1 transducer. This bracket aids in needle-guided biopsies.	
1		6C2 Track Brkt w/guide, S3000 The 6C2 tracking bracket with guide is an attachable transducer bracket compatible with the 6C2 transducer. This bracket aids in needle-guided biopsies.	
1		S3000 Fusion Cover	
1		S3000 Adv. Cadence CEUS 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. 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. 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.	
1		S3000 syngo Auto OB Measurements syngo(r) Auto OB Measurements is an innovative algorithm which recognizes anatomic landmarks for the standard six major fetal structures (CRL, BPD, HL, HC, AC, and FL) and automatically performs these biometric measurements at the touch of a button. The measurement results are also saved to the report.	
1		S3000 3-Scape 3D Imaging 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. 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.	
1		S3000 Advanced fourSight Technology 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.	
1		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	

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		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	
1		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. <ul style="list-style-type: none"> - 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.	
1		VTQ S Family Addendum, USA, S2000	
1		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.	
1		MC9-4 Transducer, S3000 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.	
1		7CF1 Transducer, S3000 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.	
1		4V1 Transducer (MP), S3000 The 4V1 is a small-footprint transducer featuring microCase(tm) transducer miniaturization technology and can be used for a broad range of adult abdominal, OB/GYN, and fetal heart imaging applications. This transducer features patented micro-pinless connector technology and Hanafy lens transducer technology to provide improved resolution and image uniformity.	
1		14L5 SP Transducer (MP), S3000 The 14L5 SP transducer features patented micro-pinless (MP) connector technology and is specially designed for intra-operative applications. Its small, lightweight, offset "L" ergonomically designed form factor allows for easy access in tight imaging conditions. With superior contrast and detail resolution and improved accessibility due to the design, the 14L5	

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		SP may also be used for breast, small parts, and musculoskeletal applications where improved access and a small footprint are required.
1		9L4 Transducer (MP), S3000 The 9L4 transducer features the patented micro-pinless (MP) connector and is based on Multi-D(tm) matrix array transducer technology and exceptional spatial resolution throughout the field of view. This multi-row array transducer is contained in an ergonomically designed microCase(tm) transducer miniaturization technology housing. The Multi-D transducer with its improved beam profile creates unsurpassed image detail, clarity, and uniformity. Wideband MultiHertz(tm) multiple frequency imaging provides multiple transmission frequencies. Integrated microelectronics contained in an ergonomically designed microCase technology housing and combined with a revolutionary SuppleFlex(tm) transducer cable provide a lightweight design to reduce operator fatigue.
1		18L6 HD Transducer, S3000 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.
1		6C1 HD Transducer, S3000 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. The transducer technology and design support a frequency range of 6 MHz to 1 MHz. Both fundamental and harmonic frequencies are supported.
1		S3000 VD10X GI Base Sys The ACUSON S3000(tm) ultrasound system with general imaging configuration for customers seeking general imaging use only includes SieStream(tm) HD Architecture hardware imaging components which delivers performance enhancements in image quality, workflow, and sustainability.
1		S3000 Gel Warmer The ACUSON S3000(tm) ultrasound system touch control keyboard option provides access to an integrated gel warmer.
1		S Family Op Instr, VD10x, ENG
1		Ultrasound Apps Training 1 day included One (1) Day System Installation Applications Training One day on-site general system installation applications training to include basic or advanced training on system and options. Extent and objective of training will be determined with the site prior to the training event. Specific options may require one additional no charge applications day. Additional training may be purchased.

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1		<p>Elevate Trade In Promotion -</p> <p>Trade-in value is valid for forty-five (45) days from the date of the quotation. After that time it must be revalued.</p> <p>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</p>	

System Total:

Detailed Technical Specifications

ACUSON S3000 Touch Screen ultrasound system

Part No. / Product	Description
	<p>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:</p> <ul style="list-style-type: none"> - 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"> - 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
	For additional details regarding the ACUSON S3000 system software license or associated features, please refer to the data sheet and/or specifications.
	For additional details regarding the ACUSON S3000 system HELX Evolution with Touch Controls please refer to the datasheet and/or specifications.
	For additional details regarding the ACUSON S3000 system English operating system please refer to the datasheet and/or specifications.
	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>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.</p> <p>When the eSieFusion imaging Basic Kit is selected, this bracket must be ordered since it attaches the general-purpose sensor to the transducer.</p>
	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.
	<p>The 6C2 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.</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><i>syngo</i> Auto OB Measurements is an innovative technology developed by Siemens Corporate Research in collaboration with Siemens Ultrasound. The algorithm has been uniquely trained to be able to auto-measure the structures necessary for measuring CRL, BPD, HL, HC, AC and FL.</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>

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	<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 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.</p>
	Export of the measurement data together with quantification data and observations is supported through DICOM SR.
	The 4V1 transducer extends over multiple applications, providing a single-solution transducer.
	<p>The 14L5 SP intra-operative and small parts imaging provides a multi-functional, high frequency, linear array transducer.</p> <p>The 14L5 SP transducer is compatible with the STERRAD® Sterilization System.</p>
	The 9L4 transducer extends over multiple applications, including imaging, providing a single-solution transducer.
	The 18L6 HD extends over multiple superficial applications.
	For additional details regarding the ACUSON S3000 system GI base system please refer to the datasheet and/or specifications.
	For additional details regarding the ACUSON S3000 system, HELX™ Evolution with Touch Control integrated gel warmer please refer to the datasheet and/or specifications.