688-B60011
VA WASHINGTON, DC

Description

ACUSON patented micro-pinless connectors along with sophisticated high-density signal processing create image quality unsurpassed in the high end market. The flat panel monitor with ISP (in-plane switching) technology and transducer technology contributes to the image quality surpassing that of the competition

The ACUSON S2000 core system DICOM functionality includes: Modality Worklist, Query/Retrieve (Q/R), "in-progress" or "batch" print to DICOM print devices, "in-progress" or "batch" storage of exam images, clips and patient information, Storage Commitment, transfer of performed procedure information from the ACUSON S2000 system to a HIS/RIS system, and Structured Reporting functionality.

DICOM Structured Reporting allows organized transfer of calculation data to PACs systems in either supported public elements, or in private elements for measurements not supported by DICOM S/R and is available for OB/GYN, Cardiac and Vascular calculation data. Structured reporting data may be transferred to DICOM Storage Devices or Network File Share

The DICOM conformance statement for the ACUSON S2000 ultrasound system is available on the Siemens Healthcare website at:

For additional details regarding the ACUSON S2000 system software license or associated features please refer to the datasheet and/or specifications.

For additional details regarding the ACUSON S2000 system HELX Evolution with Touch Controls please refer to the datasheet and/or specifications.

The ACUSON S2000 ABVS features adaptive ergonomics to ensure accurate and consistent results. The adjustable scanner arm allows easy manipulation of the transducer pod with minimal compression so patients can relax and breathe comfortably during the exam. It encompasses an integrated room suite design with a semi-transportable column accommodating a wide variety of room settings. The ABVS column and arm assembly hold the scanner and an observation and touch screen LCD. The scanner arm provides a wide range of movement and flexibility for positioning. During acquisition, the transducer pod and arm are held in place with the unique one-button locking mechanism which simplifies and expedites volume acquisition and addresses the common problem of repetitive stress injuries. The core component of the scanner is the mechanically-driven high resolution 14L5BV transducer. Each acquisition acquires a 15.4 x 16.8 x 6 cm volume data set with exquisite resolution of intricate breast anatomy and pathology. Patented micro-pinless connectors along with sophisticated high-density signal processing create image quality unsurpassed on the high end market. The advanced Imaging capabilities and the transducer technology contribute to the outstanding image quality. The ACUSON S2000™ Ultrasound System's 3D/4D visualization tools enable 3D processing with Thick Slice imaging and allow for online display of the ACUSON S2000 ABVS volume data.

The first fixed license for the syngo®.Ultrasound Breast Analysis standalone, off-system software, provides 2D review and 3D data manipulation and allows for complete full field breast imaging analysis. It offers-
• Display of 2D and 3D ultrasound data in different hangings
• Software licensing
• Comprehensive tools for reviewing the data
• Compatible with a wide variety of hardware
• syngo®.via look and feel
• Patient-centered workflow
• Support of DICOM communication for data transfer
• Report supports the ACR BI-RADS® US Lexicon Classification Form

Description

Compatible with 2D images and 3D data acquired from the ACUSON S2000™ Automated Breast Volume Scanner.
 	
Each fixed syngo®.Ultrasound Breast Analysis license is bound to a specific computer.
 	
Minimum System Requirements:
• Compatible with 32-bit and 64-bit versions of Windows XP and 64-bit versions of Windows 7.
• CPU: dual core processor with a speed of 2.2 GHz or more
• RAM size:
    - 4 GB or more for 64-Bit OS
    - 2 GB or more for 32-Bit OS
 	
Monitor:
    - display ratio 5:4 and resolution up to 1280 x 1024 pixels (minimum resolution)
    - display ratio 16:10 and resolution up to 1920 x 1200 pixels
    - display ratio 4:3 and resolution up to 1600 x 1200 pixels
    - contrast resolution according to industry guidelines set by professional societies such as ACR (American College of Radiology)
 	
Graphic board:
    - Memory bandwidth: 32 GB/sec or more
    - Texture memory: 512 MB or more
    - OpenGL 2.0 support
    - NVIDIA Quadro or GeForce, ATI Radeon
    - NOTE: Intel on-board graphics are not supported!
 	
    - Hard drive size: 200 GB or more
    - Standard keyboard
    - Three button wheel mouse
 	
syngo®.Ultrasound Breast Analysis should not be installed on an ABVS Workplace computer.

For additional details regarding the ACUSON S2000 system English operating system please refer to the datasheet and/or specifications.
For additional details regarding the ACUSON S2000™ ultrasound system, HELX™ Evolution with Touch Controls keyboard option, please refer to the datasheet and/or specifications.
Export of the measurement data together with quantification data and observations is supported through DICOM SR.
The 18L6 HD extends over multiple superficial applications. - Expanded MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, Color Doppler (CDE and CDV), and PW Doppler - Virtual Format imaging mode extends the lateral field of view - Array footprint: 58 mm - Maximum display depth of 80 mm - Maximum field of view is 40 degrees in sector format.

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