



ACUSON SC2000™ Volume Imaging Ultrasound System

Transducers
Release 1.5

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4Z1c Transducer

Frequency Bandwidth:	1.5 – 3.5 MHz
Applications:	Transthoracic adult echo, volume stress echo, contrast agent studies

Design Attributes

- Matrix array with active electronics designed for transthoracic adult full volume echocardiography
- Supports volume imaging, 2D, color Doppler, spectral Doppler (PW, DTI) and LVO contrast*
- Supports IN Focus coherent imaging technology, a new standard in information imaging to deliver full field of view in focus without user intervention, resulting in excellent detailed and contrast resolution at all depths
- Patented active cooling
 - The 4Z1c transducer features a revolutionary, patented active cooling technology. Active cooling enables the 4Z1c transducer to image with full output power under regulatory limits, resulting in improved penetration, reduced noise and high volume acquisition rates when compared to conventional 3D transducers
- Patented ergonomic design
 - Elastogrip™ ergonomic grip coating and palmar shape reduce operator fatigue

*At the time of publication, the U.S. Food and Drug Administration has cleared ultrasound contrast agents only for use in LVO. Check the current regulations for the country in which you are using this system for contrast agent clearance.



4V1c Transducer

Frequency Bandwidth:	1.25 – 4.5 MHz
Compatible with:	ACUSON S2000™ ultrasound system ACUSON Sequoia™ ultrasound system
Applications:	Transthoracic adult echo, pediatric echo, 2D stress echo, contrast agent studies

Design Attributes:

- The 4V1c transthoracic transducer utilizes Hanafy lens transducer technology to provide excellent elevation focusing and uniform beam intensity throughout the field of view
- Vector™ wide-view imaging format
- User-selectable MultiHertz™ multiple frequency imaging
- Supports IN Focus coherent imaging technology, a new standard in information imaging to deliver full field of view in focus without user intervention, resulting in excellent detailed and contrast resolution at all depths
- Supports B-mode, color Doppler (CDV, DTV, DTE), spectral Doppler (PW, CW, DTI) and contrast agent imaging with CPS for LVO*

* Harmonic frequency with conventional focusing



8V3c Transducer

Frequency Bandwidth:	3 – 8 MHz
Compatible with:	ACUSON S2000 ultrasound system ACUSON Sequoia ultrasound system
Exam Types:	Fetal echo, neonatal echo, pediatric echo

Design Attributes:

- The 8V3c multiplane 2D transthoracic transducer utilizes Hanafy lens transducer technology to provide excellent elevation focusing and uniform beam intensity throughout the field of view
- Vector imaging format
- User-selectable MultiHertz imaging
- Supports IN Focus coherent imaging technology, a new standard in information imaging to deliver full field of view in focus without user intervention, resulting in excellent detailed and contrast resolution at all depths



Aux CW

Compatible With:	ACUSON S2000 ultrasound system
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Design Attributes:

- Supports IN Focus coherent imaging technology, a new standard in information imaging to deliver full field of view in focus without user intervention, resulting in excellent detailed and contrast resolution at all depths



V5Ms Transducer

Frequency Bandwidth:	3 – 7 MHz
Compatible with:	ACUSON S2000 ultrasound system ACUSON Sequoia ultrasound system ACUSON X300™ ultrasound system ACUSON X300 ultrasound system, premium edition (PE)
Exam Types:	Transeosophageal echo

Design Attributes:

- The V5Ms multiplane transeosophageal transducer utilizes Hanafy lens transducer technology to provide excellent elevation focusing and uniform beam intensity throughout the field of view
- Vector imaging format
- User-selectable MultiHertz imaging
- Endoscopic diameter: 10.5 mm, length 110 cm
- Adult tip size: width = 14.5 mm, height = 11.5 mm
- Transducer array can be rotated 0 – 180° with a user controlled motor
- Ergonomic design featuring one-hand control with variable speed rotation – 90° per sec
- RF shielding
- Supports IN Focus coherent imaging technology, a new standard in information imaging to deliver full field of view in focus without user intervention, resulting in excellent detailed and contrast resolution at all depths

ACUSON, Elastogrip, MultiHertz, S2000, SC2000, Sequoia, Vector and X300 are trademarks of Siemens Medical Solutions USA, Inc.

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