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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 (CDV, DTV, DTE), spectral Doppler (PW, DTI) and alternate line phased contrast agent imaging*
- 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 within 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.

• 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 2D, color Doppler (CDV, DTV, DTE), spectral Doppler (PW, CW, DTI) and contrast agent imaging*

*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.
### 8V3 Transducer

**Frequency Bandwidth:** 3 – 8 MHz  
**Compatible With:** ACUSON S2000 ultrasound system, ACUSON Sequoia ultrasound system  
**Applications:** Fetal Echo, Neonatal Echo, Pediatric Echo  
**Design Attributes:**  
- Hanafy lens transducer technology  
- Vector™ wide-view imaging format  
- User-selectable MultiHertz™ multiple frequency imaging

### 10V4 Transducer

**Frequency Bandwidth:** 4 – 10 MHz  
**Compatible With:** ACUSON SC2000 ultrasound system, Release 3.0, ACUSON S2000 ultrasound system, ACUSON Sequoia ultrasound system  
**Exam Types:** Neonatal Echo, Pediatric Echo  
**Design Attributes:**  
- Vector imaging format  
- User-selectable MultiHertz Imaging
**V5Ms Transducer**

**Frequency Bandwidth:** 3 – 7 MHz

**Compatible With:**
- ACUSON S2000 ultrasound system
- ACUSON Sequoia ultrasound system

**Applications:** Transeosophageal Echo

**Design Attributes:**
- Endoscope diameter = 10.5 mm, length = 110 cm
- Adult tip size: width = 14.5 mm, height = 11.5 mm
- Ergonomic design featuring one-hand control with variable speed rotation: 90° per sec
- RF shielding
- User-selectable MultiHertz imaging

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**V7M Transducer**

**Frequency Bandwidth:** 4 – 8 MHz

**Compatible With:**
- ACUSON SC2000 ultrasound system, Release 3.0
- ACUSON S2000 ultrasound system
- ACUSON Sequoia ultrasound system

**Exam Types:** Pediatric and adult transesophageal echo

**Design Attributes:**
- Endoscope diameter = 7.0 mm; length = 70 cm
- Small tip size for increased patient comfort:
  - width = 10.9 mm, thickness = 8.0 mm, circumference = 22 mm
- Ergonomic design featuring one-hand control
- Manual rotation: -10° – 190°
- Vector imaging format phased array
- User-selectable MultiHertz Imaging
**9L4 Transducer**

<table>
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<tr>
<th>Frequency Bandwidth:</th>
<th>4 – 9 MHz</th>
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</thead>
<tbody>
<tr>
<td>Compatible With:</td>
<td>ACUSON S2000 ultrasound system, ACUSON Sequoia ultrasound system</td>
</tr>
<tr>
<td>Applications:</td>
<td>Carotid, Peripheral Vascular Arterial, Peripheral Vascular Venous</td>
</tr>
</tbody>
</table>

**Design Attributes:**
- Multi-D matrix transducer
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
- User-selectable MultiHertz multiple frequency imaging
- Harmonic compounding

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**Aux CW**

<table>
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<tr>
<th>Selectable CW Doppler Frequencies:</th>
<th>2 MHz</th>
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<tr>
<td>Compatible With:</td>
<td>ACUSON S2000 ultrasound system</td>
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## AcuNav 8F®

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>5 – 10 MHz</th>
</tr>
</thead>
</table>
| Compatible With:     | ACUSON SC2000 ultrasound system, Release 2.0 and later  
                       ACUSON S2000 ultrasound system  
                       ACUSON Sequoia™ C512 echocardiography system  
                       ACUSON Sequoia™ C256 echocardiography system  
                       ACUSON X700™ ultrasound system  
                       ACUSON X300™ ultrasound system, premium edition  
                       ACUSON CV70™ cardiovascular system  
                       ACUSON Cypress™ cardiovascular system  
                       ACUSON P50™ ultrasound system |
| Applications:         | Adult Intracardiac Echocardiography, Pediatric Intracardiac Echocardiography |

**Design Attributes:**

- 8 French catheter (2.7 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization ACUSON AcuNav™ ultrasound catheter family
- Reusable SwiftLink™ catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging
- Vector imaging format

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*For purchase or inquiries, contact Biosense Webster: USA (+1-909-839-8500 and +1-800-729-9070), Belgium +32-2-352-1411, Asia Pacific +(65) 6827-6100.*
### AcuNav 10F+

**Frequency Bandwidth:** 5 – 10 MHz

**Compatible With:**
- ACUSON SC2000 ultrasound system, Release 2.0 and later
- ACUSON S2000 ultrasound system
- ACUSON Sequoia C512 echocardiography system
- ACUSON Sequoia C256 echocardiography system
- ACUSON X700 ultrasound system
- ACUSON X300 ultrasound system, premium edition
- ACUSON CV70 cardiovascular system
- ACUSON Cypress cardiovascular system
- ACUSON X700 ultrasound system

**Applications:**
- Adult Intracardiac Echocardiography
- Pediatric Intracardiac Echocardiography

**Design Attributes:**
- 10 French catheter (3.3 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization ACUSON AcuNav ultrasound catheter family
- Reusable SwiftLink catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging
- Vector imaging format
- DTI capability

* For purchase or inquiries, contact Biosense Webster: USA (+1-909-839-8500 and +1-800-729-9010), Belgium +32-2-352-1411, Asia Pacific +(65) 6827-6100.
### AcuNav V

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>5 – 10 MHz</th>
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</thead>
<tbody>
<tr>
<td>Compatible With:</td>
<td>ACUSON SC2000 ultrasound system, Release 2.0 and later</td>
</tr>
<tr>
<td>Applications:</td>
<td>Adult Intracardiac Echocardiography, Pediatric Intracardiac Echocardiography</td>
</tr>
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</table>

**Design Attributes:**

- 10 French catheter (3.3 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization ACUSON AcuNav ultrasound catheter family
- Reusable Swiftlink V catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging
- Vector imaging format
- DTI capability

### SoundStar 10F+ (Note: This device is no longer in production or is being replaced with the Acuson iE33 system)

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
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<tr>
<td>Compatible With:</td>
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<td>ACUSON Sequoia C256 echocardiography system</td>
</tr>
<tr>
<td>Applications:</td>
<td>Intracardiac Echocardiography</td>
</tr>
</tbody>
</table>

**Design Attributes:**

- 10 French catheter (3.3 mm diameter)
- 90 cm insertable length
- Sterile, single-use advanced miniaturization ACUSON AcuNav ultrasound catheter family
- Reusable Swiftlink catheter connector
- Four-way steering in two planes: 160° in each direction
- Longitudinal side-fire imaging
- Supported by CARTO 3 Mapping System from Biosense Webster

*For purchase or inquiries, contact Biosense Webster: USA (+1-909-839-8500 and +1-800-729-9070), Belgium +32-2-352-1411, Asia Pacific +(65) 6827-6100*