ACUSON S3000™
Ultrasound System
Release 1.5

Transducers

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**7CF2 Transducer**

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<th>Frequency Bandwidth:</th>
<th>2 – 7 MHz</th>
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<tr>
<td>Compatible With:</td>
<td>ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system</td>
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<tr>
<td>Exam Types:</td>
<td>Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal</td>
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</table>
| Design Attributes:    | • Lightweight transducer with flexible cable  
                          • Ergonomically designed form factor  
                          • User-selectable MultiHertz™ multiple frequency imaging  
                          • Wide bandwidth curved array volume transducer |

**6C2 Transducer**

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>2 – 6 MHz</th>
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<tbody>
<tr>
<td>Compatible With:</td>
<td>ACUSON S1000 system, ACUSON S2000 system</td>
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<tr>
<td>Exam Types:</td>
<td>Abdomen, Fetal Echo, OB/GYN, Pediatric Abdomen, Pelvis, Peripheral Vascular Arterial, Peripheral Vascular Venous, Renal</td>
</tr>
</tbody>
</table>
| Design Attributes:    | • Curved Vector™ wide-view imaging format  
                          • Hanafy lens transducer technology  
                          • Ergonomically designed form factor  
                          • User-selectable MultiHertz imaging |
## 6C1 HD Transducer

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>1.5 – 6.0 MHz</th>
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<tbody>
<tr>
<td>Compatible With:</td>
<td>ACUSON S2000™ ultrasound system</td>
</tr>
<tr>
<td>Exam Types:</td>
<td>Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal</td>
</tr>
</tbody>
</table>
| Design Attributes:    | • Curved Vector imaging format  
                       | • Hanafy lens transducer technology  
                       | • User-selectable MultiHertz imaging  
                       | • Ergonomic design with ElastoGrip™ coating |

## 4C1 Transducer

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>1 – 4.5 MHz</th>
</tr>
</thead>
</table>
| Compatible With:      | ACUSON S1000™ ultrasound system,  
                       | ACUSON S2000 system |
| Exam Types:           | Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal |
| Design Attributes:    | • Curved Vector imaging format  
                       | • Hanafy lens transducer technology  
                       | • User-selectable MultiHertz imaging |
### 8C3 HD Transducer

**Exam Types:** OB/GYN, pediatric, and adult small abdomen

**Design Attributes:**
- Smaller elevation & tighter curvature
- Improved access between ribs
- Smaller manipulations to better visualize cysts, ducts, and vessels
- Hanafy lens transducer technology

### 9EVF4 Transducer

**Frequency Bandwidth:** 4 – 9 MHz

**Compatible With:** ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system

**Exam Types:** Fetal Echo, Neonatal Head, OB/GYN

**Design Attributes:**
- Wide bandwidth endovaginal volume transducer
- Lightweight transducer with flexible cable
- User-selectable MultiHertz imaging
**EC9-4 Transducer**

**Frequency Bandwidth:** 3.75 – 9 MHz  
**Compatible With:** ACUSON S1000 system, ACUSON S2000 system  
**Exam Types:** Neonatal Head, OB/GYN, Prostate  
**Design Attributes:**  
- Ergonomically designed form factor  
- Lightweight transducer with flexible cable  
- User-selectable MultiHertz™ imaging  
- Harmonic compounding  
- Curved array format

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**EV-8C4 Transducer**

**Frequency Bandwidth:** 4 – 9 MHz  
**Compatible With:** ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system  
**Exam Types:** Endovaginal Gynecology, Endovaginal Obstetrics  
**Design Attributes:**  
- Tightly curved format  
- Wide field of view  
- User-selectable MultiHertz imaging  
- Harmonic compounding
### 4P1 Transducer

**Frequency Bandwidth:** 1 – 4.5 MHz  
**Compatible With:** ACUSON S1000 system, ACUSON S2000 system  
**Exam Types:** Abdomen, Adult Echo, Fetal Echo, OB/GYN, Pediatric Echo, Pelvis, Renal, Transcranial  
**Design Attributes:**  
- Multi-D™ matrix array transducer  
- Ergonomically designed form factor  
- Lightweight transducer with flexible cable  
- User-selectable Multi-Hertz™ imaging  
- Vector imaging format

### 10V4 Transducer

**Frequency Bandwidth:** 4 – 10 MHz  
**Compatible With:** ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system  
**Exam Types:** Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo, Pelvis, Renal  
**Design Attributes:**  
- Vector imaging format  
- User selectable MultiHertz™ imaging
### 8V3 Transducer

<table>
<thead>
<tr>
<th><strong>Frequency Bandwidth:</strong></th>
<th>2.5 – 8 MHz</th>
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<tr>
<td><strong>Compatible With:</strong></td>
<td>ACUSON S1000 System, ACUSON S2000 System</td>
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<tr>
<td><strong>Exam Types:</strong></td>
<td>Fetal Echo, Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo</td>
</tr>
</tbody>
</table>
| **Design Attributes:**   | • Hanafy lens transducer technology  
                           • Vector imaging format  
                           • User-selectable MultiHertz imaging |

### 4V1 Transducer

<table>
<thead>
<tr>
<th><strong>Frequency Bandwidth:</strong></th>
<th>1 – 4.5 MHz</th>
</tr>
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<tbody>
<tr>
<td><strong>Compatible With:</strong></td>
<td>ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system</td>
</tr>
<tr>
<td><strong>Exam Types:</strong></td>
<td>Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal</td>
</tr>
</tbody>
</table>
| **Design Attributes:**   | • Hanafy lens transducer technology  
                           • User-selectable MultiHertz™ imaging  
                           • Harmonic compounding  
                           • Vector imaging format |
### 4V1c Transducer

**Frequency Bandwidth:** 1 – 4.5 MHz  
**Compatible With:** ACUSON S1000 system, ACUSON S2000 system  
**Exam Types:** Abdomen, Adult Echo, Pediatric Echo, Renal, Transcranial  
**Design Attributes:**  
- Hanafy lens transducer technology  
- Sector imaging format  
- User-selectable MultiHertz imaging  
- Radio frequency shielding

### 18L6 HD Transducer

**Frequency Bandwidth:** 5.5 – 18 MHz  
**Compatible With:** ACUSON S2000™ ultrasound system  
**Exam Types:** Breast, Cerebrovascular, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid  
**Design Attributes:**  
- Hanafy lens transducer technology  
- Ergonomic design with ElastoGrip™ coating  
- Extra-long cable (2.1 m) for ease of use  
- User-selectable MultiHertz™ imaging
### 14L5 SP Transducer

<table>
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<tr>
<th>Frequency Bandwidth:</th>
<th>5 – 14 MHz</th>
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<tr>
<td>Compatible With:</td>
<td>ACUSON S1000 system, ACUSON S2000 system</td>
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<tr>
<td>Exam Types:</td>
<td>Breast, Cerebrovascular, High Frame Rate, Penile, Intraoperative Abdomen, Intraoperative Vascular, Musculoskeletal, Testicle, Thyroid</td>
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**Design Attributes:**
- Lightweight transducer with flexible cable
- Ergonomically designed form factor
- Virtual format imaging
- Sterilizable high resolution linear array for special applications
- User-selectable MultiHertz™ imaging

### 14L5 Transducer

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>5 – 14 MHz</th>
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<tbody>
<tr>
<td>Compatible With:</td>
<td>ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system</td>
</tr>
<tr>
<td>Exam Types:</td>
<td>Breast, Cerebrovascular, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid</td>
</tr>
</tbody>
</table>

**Design Attributes:**
- Multi-D matrix transducer
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
- Virtual format imaging
- User-selectable MultiHertz™ imaging
9L4 Transducer

**Frequency Bandwidth:** 4 – 9 MHz

**Compatible With:**
- ACUSON S1000 system, ACUSON S2000 system

**Exam Types:**
- Breast, Cerebrovascular, Fetal Echo,
- Musculoskeletal, OB/GYN, Pediatric Abdomen,
- Pediatric Hip, Pelvis, Penile, Peripheral Vascular,
- Testicle, Thyroid

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

V7M Transducer

**Frequency Bandwidth:** 4.0 – 8.0 MHz

**Compatible With:**
- ACUSON S1000™ ultrasound system,
  ACUSON S2000™ 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 wideband MultiHertz™ imaging
- DTI™ Doppler tissue imaging capability
**V5Ms Transducer**

**Frequency Bandwidth:** 3 – 7 MHz

**Compatible With:** ACUSON S1000 system, ACUSON S2000 system

**Exam Types:** Transesophageal 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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**CW5 Transducer**

**Compatible With:** ACUSON S1000™ ultrasound system, ACUSON S2000™ ultrasound system

**Exam Types:** Adult Echo, Cerebrovascular, Neonatal Echo, Peripheral Vascular, Pediatric Echo, Transcranial
ACUSON AcuNav™ 8F Ultrasound Catheter

**Frequency Bandwidth:** 4.0 – 10.0 MHz

**Compatible With:** ACUSON S1000 System, ACUSON S2000 System

**Applications:** Adult 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
- DTI capability

Requires cardiac package.

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CW2 Transducer

**Compatible With:** ACUSON S1000 system, ACUSON S2000 system

**Exam Types:** Adult Echo, Cerebrovascular, Neonatal Echo, Pediatric Echo, Peripheral Vascular, Transcranial
ACUSON AcuNav™ 10F Ultrasound Catheter

Frequency Bandwidth: 4.0 – 10.0 MHz

Compatible With: ACUSON S1000 System, ACUSON S2000 System

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

Requires cardiac package.
Frequency Bandwidth measurements represent bandwidth at ±20 dB.

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