Transducers

ACUSON S2000™
Ultrasound System
Release 3.1

www.siemens.com/ultrasound
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### 7CF2 Transducer

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<th>Frequency Bandwidth:</th>
<th>2 – 7 MHz</th>
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<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>
</tr>
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<tbody>
<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 |
**4C1 Transducer**

**Frequency Bandwidth:** 1 – 4.5 MHz  
**Exam Types:** Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal

**Design Attributes:**  
- Curved Vector imaging format  
- Hanafy lens transducer technology  
- User-selectable MultiHertz imaging  
- Ergonomic design with ElastoGrip™ ergonomic grip coating

**6C1 HD Transducer**

**Frequency Bandwidth:** 1.5 – 6.0 MHz  
**Exam Types:** Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal

**Design Attributes:**  
- Curved Vector imaging format  
- Hanafy lens transducer technology  
- User-selectable MultiHertz imaging  
- Ergonomic design with ElastoGrip™ ergonomic grip coating
9EVF4 Transducer

Frequency Bandwidth: 4 – 9 MHz

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

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
**EV-8C4 Transducer**

**Frequency Bandwidth:** 4 – 9 MHz

**Exam types:** Endovaginal Gynecology, Endovaginal Obstetrics

**Design Attributes:**
- Tightly curved format
- Wide field of view
- User-selectable MultiHertz imaging
- Harmonic compounding

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**4P1 Transducer**

**Frequency Bandwidth:** 1 – 4.5 MHz

**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 MultiHertz imaging
- Vector™ imaging format
### 10V4 Transducer

**Frequency Bandwidth:** 4 – 10 MHz

**Exam Types:** Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo, Pelvis, Renal

**Design Attributes:**
- Vector imaging format
- User-selectable MultiHertz imaging

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### 8V3 Transducer

**Frequency Bandwidth:** 2.5 – 8 MHz

**Exam Types:** Fetal Echo, Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo

**Design Attributes:**
- Hanafy lens transducer technology
- Vector imaging format
- User-selectable MultiHertz imaging
### 4V1 Transducer

**Frequency Bandwidth:** 1 – 4.5 MHz

**Exam Types:** Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal

**Design Attributes:**
- Hanafy lens transducer technology
- User-selectable MultiHertz imaging
- Harmonic compounding
- Vector imaging format

### 4V1c Transducer

**Frequency Bandwidth:** 1 – 4.5 MHz

**Exam Types:** Abdomen, Adult Echo, Pediatric Echo, Renal, Transcranial

**Design Attributes:**
- Hanafy lens transducer technology
- Sector imaging format
- User-selectable MultiHertz imaging
- RF shielding
18L6 HD Transducer

Frequency Bandwidth: 5.5 – 18 MHz

Exam Types: Breast, Cerebrovascular, Digital, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid

Design Attributes:
- Hanafy lens transducer technology
- Ergonomic design with Elastogrip ergonomic grip coating
- Extra-long cable (2.1 m) for ease of use
- User-selectable MultiHertz imaging

14L5 SP Transducer

Frequency Bandwidth: 5 – 14 MHz

Exam Types: Breast, Cerebrovascular, Digital, High Framerate, Penile, Intraoperative Abdomen, Intraoperative Vascular, Musculoskeletal, Testicle, Thyroid

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>Exam Types:</td>
<td>Breast, Cerebrovascular, Digital, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid</td>
</tr>
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</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

<table>
<thead>
<tr>
<th>Frequency Bandwidth:</th>
<th>4 – 9 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam Types:</td>
<td>Breast, Cerebrovascular, Digital, Fetal Echo, Musculoskeletal, OB/GYN, Pediatric Abdomen, Pediatric Hip, Pelvis, Penile, Peripheral Vascular, Testicle, Thyroid</td>
</tr>
</tbody>
</table>

**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
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
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
CW5 Transducer

<table>
<thead>
<tr>
<th>Selectable CW Doppler Frequencies:</th>
<th>5 MHz</th>
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<tbody>
<tr>
<td>Exam Types:</td>
<td>Adult Echo, Cerebrovascular, Neonatal Echo, Peripheral Vascular, Pediatric Echo, Transcranial</td>
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CW2 Transducer

<table>
<thead>
<tr>
<th>Selectable CW Doppler Frequencies:</th>
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<tr>
<td>Exam Types:</td>
<td>Adult Echo, Cerebrovascular, Neonatal Echo, Pediatric Echo, Peripheral Vascular, Transcranial</td>
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**AcuNav 8F+**

<table>
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<tr>
<th>Frequency Bandwidth:</th>
<th>4.0 – 10.0 MHz</th>
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</thead>
<tbody>
<tr>
<td>Applications:</td>
<td>Adult intracardiac echocardiography</td>
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</tbody>
</table>

**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

Requires cardiac package.

**AcuNav 10F+**

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<th>Frequency Bandwidth:</th>
<th>4.0 – 10.0 MHz</th>
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</thead>
<tbody>
<tr>
<td>Applications:</td>
<td>Adult 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

Requires cardiac package.

* For purchase or inquiries, contact Biosense Webster: USA (909-839-8500 and 800-729-9010), Belgium +32-2-352-1411, Asia Pacific +(65) 6827-6100.
† SwiftLink adaptor supports both the ACUSON AcuNav 8F and 10F catheters.
Frequency Bandwidth measurements represent bandwidth at ±20 dB.

AcuNav, ACUSON P50, ACUSON S1000, ACUSON S2000, ACUSON S3000, ACUSON X300, ACUSON X500, Antares, Aspen, CV70, Cypress, DTI, ElastoGrip, G60 S, Multi-D, MultiHertz, Sequoia, SwiftLink and Vector are trademarks of Siemens Medical Solutions USA, Inc.

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