

SIEMENS



Transducers

# ACUSON S2000™ Ultrasound System

Release 3.1

[www.siemens.com/ultrasound](http://www.siemens.com/ultrasound)

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### 7CF2 Transducer

<b>Frequency Bandwidth:</b>	2 – 7 MHz
<b>Exam Types:</b>	Abdomen, Fetal Echo, OB/GYN, Pelvis, Renal

**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

<b>Frequency Bandwidth:</b>	2 – 6 MHz
<b>Exam Types:</b>	Abdomen, Fetal Echo, OB/GYN, Pediatric Abdomen, Pelvis, Peripheral Vascular Arterial, Peripheral Vascular Venous, Renal

**Design Attributes:**

- Curved Vector™ wide-view imaging format
- Hanafy lens transducer technology
- Ergonomically designed form factor
- User-selectable MultiHertz imaging



### 6C1 HD Transducer

<b>Frequency Bandwidth:</b>	1.5 – 6.0 MHz
<b>Exam Types:</b>	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



### 4C1 Transducer

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

**Design Attributes:**

- Curved Vector imaging format
- Hanafy lens transducer technology
- User-selectable MultiHertz imaging



### 9EVF4 Transducer

<b>Frequency Bandwidth:</b>	4 – 9 MHz
<b>Exam Types:</b>	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

<b>Frequency Bandwidth:</b>	3.75 – 9 MHz
<b>Exam Types:</b>	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



### 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

<b>Frequency Bandwidth:</b>	4 – 10 MHz
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<b>Exam Types:</b>	Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo, Pelvis, Renal
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**Design Attributes:**

- Vector imaging format
- User-selectable MultiHertz imaging



### 8V3 Transducer

<b>Frequency Bandwidth:</b>	2.5 – 8 MHz
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<b>Exam Types:</b>	Fetal Echo, Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo
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**Design Attributes:**

- Hanafy lens transducer technology
- Vector imaging format
- User-selectable MultiHertz imaging



### 4V1 Transducer

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

**Design Attributes:**

- Hanafy lens transducer technology
- User-selectable MultiHertz imaging
- Harmonic compounding
- Vector imaging format



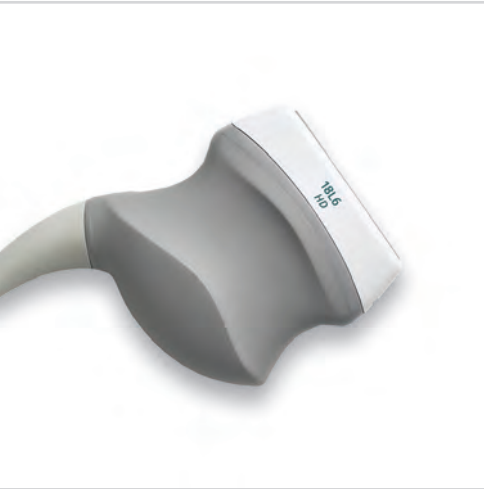
### 4V1c Transducer

<b>Frequency Bandwidth:</b>	1 – 4.5 MHz
<b>Exam Types:</b>	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

<b>Frequency Bandwidth:</b>	5.5 – 18 MHz
<b>Exam Types:</b>	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

<b>Frequency Bandwidth:</b>	5 – 14 MHz
<b>Exam Types:</b>	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

<b>Frequency Bandwidth:</b>	5 – 14 MHz
<b>Exam Types:</b>	Breast, Cerebrovascular, Digital, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid

**Design Attributes:**

- Multi-D matrix transducer
- Ergonomically designed form factor
- Lightweight transducer with flexible cable
- Virtual format imaging
- User-selectable MultiHertz imaging



### 9L4 Transducer

<b>Frequency Bandwidth:</b>	4 – 9 MHz
<b>Exam Types:</b>	Breast, Cerebrovascular, Digital, 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

<b>Frequency Bandwidth:</b>	4.0 – 8.0 MHz
<b>Exam Types:</b>	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

<b>Frequency Bandwidth:</b>	3 – 7 MHz
<b>Exam Types:</b>	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

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Selectable CW Doppler Frequencies:	5 MHz
Exam Types:	Adult Echo, Cerebrovascular, Neonatal Echo, Peripheral Vascular, Pediatric Echo, Transcranial



### CW2 Transducer

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Selectable CW Doppler Frequencies:	2 MHz
Exam Types:	Adult Echo, Cerebrovascular, Neonatal Echo, Pediatric Echo, Peripheral Vascular, Transcranial



### AcuNav 8F<sup>+</sup>

<b>Frequency Bandwidth:</b>	4.0 – 10.0 MHz
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<b>Applications:</b>	Adult intracardiac echocardiography
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#### 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.*



### AcuNav 10F<sup>+</sup>

<b>Frequency Bandwidth:</b>	4.0 – 10.0 MHz
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<b>Applications:</b>	Adult intracardiac echocardiography
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#### 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.*

<sup>+</sup> For purchase or inquires, contact Biosense Webster: USA (909-839-8500 and 800-729-9010), Belgium +32-2-352-1411, Asia Pacific +(65) 6827-6100.

<sup>†</sup> SwiftLink adaptor supports both the ACUSON AcuNav 8F and 10F catheters.

Frequency Bandwidth measurements  
represent bandwidth at  $\pm 20$  dB.

AcuNav, ACUSON P50, ACUSON S1000,  
ACUSON S2000, ACUSON S3000, ACUSON  
X300, ACUSON X500, Antares, Aspen,  
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