



Transducers

ACUSON S2000 **ultrasound system**

HELX Evolution with Touch Control

siemens-healthineers.com/ultrasound



Comprehensive suite of transducers

The ACUSON S2000 ultrasound system, HELX Evolution with Touch Control, has a comprehensive suite of over 24 transducers supporting a diverse range of clinical applications.

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Curved



Clinical applications for 7CF1 transducer: abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

7CF1 Transducer

Part Number	10854247
Frequency Bandwidth	1.0–7.0 MHz
Selectable 2D Frequencies	3.0, 3.5, 4.5, 6.0 MHz
Selectable THI Frequencies	H4.0, H5.5, H6.0, H7.0 MHz
Selectable Color Doppler Frequencies	2.5, 3.25, 3.75 MHz
Selectable PW Doppler Frequencies	2.5, 3.25, 3.75 MHz
Number of Elements	192
Footprint	34 mm × 65 mm
Maximum Field of View	Lateral/75° sweep angle
Maximum Display Depth	300 mm
Biopsy Guide	C7F1 Needle Guide
Biopsy Guide Angles	30.8°, 22.4°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Fetal Echo, Obstetrics/Gynecology, Pelvis, Renal
Design Attributes	• Lightweight with flexible cable • Ergonomically designed • User-selectable frequency • Wideband curved array • 99% recyclable
Applications Supported	• 3-Scape real-time 3D imaging



Clinical applications for 6C2 transducer: abdominal, fetal echo, obstetrics and gynecology, pediatric abdomen, pelvis, peripheral vascular arterial, peripheral vascular venous, renal

6C2 Transducer

Part Number	10041591
Frequency Bandwidth	2.0–6.0 MHz
Selectable 2D Frequencies	2.5, 4.5, 6.0 MHz
Selectable THI Frequencies	H4.0, H5.0, H6.0 MHz
Selectable Color Doppler Frequencies	2.5, 3.25, 3.75 MHz
Selectable PW Doppler Frequencies	2.5, 3.25, 3.75 MHz
Number of Elements	192
Footprint	61 mm
Maximum Field of View	70°
Maximum Display Depth	300 mm
Biopsy Guide	6C2 Needle Guide, PN 10041600
Biopsy Guide Angles	22°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Fetal Echo, Obstetrics/Gynecology, 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 • MultiHertz multiple frequency imaging • Patented micro-pinless connector technology • microCase transducer miniaturization technology • eSie Touch elasticity imaging
Applications Supported	• 3-Scape real-time 3D imaging • eSieFusion imaging



Clinical applications for 6C1 HD transducer: abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

6C1 HD Transducer

Part Number	10854033
Frequency Bandwidth	1.5–6.0 MHz
Selectable 2D Frequencies	1.5, 1.8, 2.5, 4.0, 4.5, 5.5 MHz
Selectable THI Frequencies	H2.5, H3.0, H3.5, H4.0, H4.5, H5.0, H5.5 MHz
Selectable Color Doppler Frequencies	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies	2.0, 2.5, 3.5 MHz
Cadence CPS ¹ Frequencies	1.5, 2.0, 2.5 MHz
Cadence CHI ¹ Frequencies	3.0, 3.5, 4.0 MHz
Number of Elements	192
Footprint	61 mm
Maximum Field of View	70°
Maximum Display Depth	300 mm
Biopsy Guide	6C1 HD needle guide
Biopsy Guide Angles	44.2°, 28.8°
Compatible with	ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Fetal Echo, Obstetrics/Gynecology, Pelvis, Renal
Design Attributes	• Vector wide-view imaging format • Hanafy lens transducer technology • MultiHertz multiple frequency imaging • Ergonomic design
Applications Supported	• Cadence contrast pulse sequencing (CPS) technology • Cadence contrast harmonic imaging (CHI)¹ • Compatible with eSieImage multi-parametric optimization (HELX Evolution VC30B or above only) • Tissue Harmonic Imaging (THI) technology and TEQ ultrasound technology • Advanced SieClear multi-view spatial compounding and Dynamic TCE tissue contrast enhancement technology • Virtual Touch imaging • Virtual Touch quantification • eSie Touch elasticity imaging



Clinical applications for 4C1 transducer: abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

4C1 Transducer

Part Number	40041590
Frequency Bandwidth	1.0–4.5 MHz
Selectable 2D Frequencies	2.0, 3.0, 4.0 MHz
Selectable THI Frequencies	H3.0, H3.5, H3.75, H4.0, H4.5 MHz
Selectable Color Doppler Frequencies	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies	2.0, 2.5, 3.5 MHz
Cadence CPS Frequencies	1.5, 2.0, 2.5 MHz
Cadence CHI Frequencies	3.0, 3.5, 4.0 MHz
Cadence ADI Frequencies	2.0 MHz
Number of Elements	128
Footprint	61 mm
Maximum Field of View	70°
Maximum Display Depth	300 mm
Biopsy Guide	4C1 Needle Guide, PN 10041592
Biopsy Guide Angles	44.3°, 28.8°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Fetal Echo, Obstetrics/Gynecology, Pelvis, Renal
Design Attributes	• Vector wide-view imaging format • Hanafy lens transducer technology • MultiHertz multiple frequency imaging • Patented micro-pinless connector technology
Applications Supported	• Cadence contrast pulse sequencing (CPS) technology¹ • Cadence contrast harmonic imaging (CHI) • eSie Touch elasticity imaging • Axis direct ultrasound research interface (URI) • Virtual Touch imaging • Virtual Touch quantification • eSieFusion imaging



Clinical applications for 8C3 HD transducer: abdomen, obstetrics and gynecology, pediatric

8C3 HD Transducer

Part Number	10855109
Frequency Bandwidth	3.0–8.0 MHz
Selectable 2D Frequencies	3.0, 5.0, 6.0, 7.0 MHz
Selectable THI Frequencies	4.0, 5.0, 6.0, 7.0, 7.5, 8.0 MHz
Selectable Color Doppler Frequencies	2.85, 3.25, 3.75 MHz
Selectable PW Doppler Frequencies	2.85, 3.25, 3.75 MHz
Minimum Depth	60 mm
Maximum Depth	300 mm
Number of Elements	384
Footprint	59 mm
Maximum Field of View	94°
Biopsy Guide	8C3 HD Needle Guide
Biopsy Guide Angles	35.3° and 21.6°
Compatible with	ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (ACUSON S3000 ultrasound system VC25 or below only) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Obstetrics/Gynecology, Pediatric
Design Attributes	• Vector wide-view imaging format • Wide field of view • Hanafy lens transducer technology • Ergonomic design
Applications Supported	• Compatible with eSiImage multi-parametric optimization (HELX Evolution VC30C or above only)



Clinical applications for MC9-4 transducer: neonatal head, obstetrics and gynecology, prostate

MC9-4 Transducer

Part Number	10854250
Frequency Bandwidth	4.0–9.0 MHz
Selectable 2D Frequencies	4.0, 6.0, 8.0 MHz
Selectable THI Frequencies	HC7.0, H7.0, H7.5, H8.0 MHz
Selectable Color Doppler Frequencies	3.75, 5.0, 6.75 MHz
Selectable PW Doppler Frequencies	3.75, 5.0, 6.75 MHz
Cadence CPS Frequencies	4.0, 5.0, 8.0 MHz
Number of Elements	192
Footprint	31 mm
Tip Diameter	21.8 mm
Maximum Field of View	176°
Maximum Display Depth	140 mm
Biopsy Guide	MC9-4 Disp. 5 pk Needle Guide Set MC9-4 Disp. 24 pk Needle Guide Set MC9-4 Reusable Needle Guide Set
Biopsy Guide Angles	1°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Neonatal Head, Obstetrics/Gynecology, Prostate
Design Attributes	• Wide field of view curved array transducer • Lightweight transducer with flexible cable • MultiHertz multiple frequency imaging • Vector wide-view imaging format
Applications Supported	• eSieImage multiparametric optimization (HELX Evolution VC30B or above only) • Cadence contrast pulse sequencing (CPS) technology • eSie Touch elasticity imaging

Vector



Clinical applications for 9EVF4 transducer: fetal echo, neonatal head, obstetrics and gynecology

9EVF4 Transducer

Part Number	10041223
Frequency Bandwidth	4.0–9.0 MHz
Selectable 2D Frequencies	4.0, 7.0, 9.0 MHz
Selectable THI Frequencies	H5.0, H7.0, H9.0 MHz
Selectable Color Doppler Frequencies	4.0, 5.5, 7.5 MHz
Selectable PW Doppler Frequencies	4.0, 5.5, 7.5 MHz
Number of Elements	192
Footprint	30.7 mm
Tip Diameter	25.5 mm
Maximum Field of View	173°
Maximum Display Depth	160 mm
Biopsy Guide	9EVF4 Needle Guide Kit
Biopsy Guide Angles	4.2°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Fetal Echo, Neonatal Head, Obstetrics/ Gynecology
Design Attributes	• Wideband endovaginal volumes • Patented micro-pinless connector technology • MultiHertz multiple frequency imaging • SuppleFlex transducer cable • Multiple frequencies for all modes 2D, M-mode, harmonics, color Doppler (color Doppler velocity [CDV] and color Doppler energy [CDE] capabilities), and PW Doppler
Applications Supported	• 3-Scape real-time 3D imaging



Clinical applications for 8V3 transducer: fetal and neonatal echo, neonatal head, pediatric abdomen, pediatric echo

8V3 Transducer

Part Number	10041586
Frequency Bandwidth	2.5–8.0 MHz
Selectable 2D Frequencies	4.0, 5.0, 6.0, 7.0, 8.0 MHz
Selectable THI Frequencies	H5.0, H6.0, H7.0 MHz
Selectable Color Doppler Frequencies	2.5, 3.25, 3.5, 4.5, 5.0 MHz
Selectable PW Doppler Frequencies	2.5, 3.25, 3.5, 4.5 MHz
Selectable CW Doppler Frequencies	2.5, 3.5, 4.0, 4.5 MHz
Number of Elements	128
Footprint	18 mm
Maximum Field of View	90°
Maximum Display Depth	160 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Fetal Echo, Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo
Design Attributes	• Hanafy lens transducer technology • Vector wide-view imaging format • Patented micro-pinless connector technology • Supported modes 2D (fundamental and harmonic), M-mode, color Doppler (color Doppler velocity [CDV] capability, DTI Doppler tissue imaging), and spectral Doppler (PW and CW) • MultiHertz multiple frequency imaging



Clinical applications for 4V1 transducer: abdominal, fetal echo, obstetrics and gynecology, pelvis, renal

4V1 Transducer

Part Number	10041584
Frequency Bandwidth	1.0–4.5 MHz
Selectable 2D Frequencies	2.0, 3.0, 4.0 MHz
Selectable THI Frequencies	HC3.0, H3.0, H3.5, H4.0, H4.5 MHz
Selectable Color Doppler Frequencies	2.0, 2.75, 3.5 MHz
Selectable PW Doppler Frequencies	2.0, 2.75, 3.5 MHz
Number of Elements	128
Footprint	28.1 mm
Maximum Field of View	90°
Maximum Display Depth	300 mm
Biopsy Guide	4V1 Needle Guide
Biopsy Guide Angles	31.8°, 17.9°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Fetal Echo, Obstetrics/Gynecology, Pelvis, Renal
Design Attributes	• Hanafy lens transducer technology • MultiHertz multiple frequency imaging • Harmonic compounding • Axius direct ultrasound research interface • Vector wide-view imaging format • microCase transducer miniaturization technology • Patented micro-pinless connector technology
Applications Supported	• Virtual Touch imaging



Clinical applications for 4V1c transducer: adult and pediatric echocardiography

4V1c Transducer

Part Number	10433821
Frequency Bandwidth	1.0–4.5 MHz
Selectable 2D Frequencies	2.0, 3.0, 4.0 MHz
Selectable THI Frequencies	H2.5, H3.0, H4.0, H4.5 MHz
Selectable Color Doppler Frequencies	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies	2.0, 2.5, 3.5 MHz
Selectable CW Doppler Frequencies	1.8, 2.0, 2.5, 3.5 MHz
Number of Elements	112
Footprint	19.2 mm
Maximum Field of View	90°
Maximum Display Depth	300 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Adult Echo, Pediatric Echo
Design Attributes	• Hanafy lens transducer technology • Sector imaging format • Radio frequency shielding • Patented micro-pinless connector technology • Multi-D matrix array transducer • MultiHertz multiple frequency imaging



Clinical applications for 10V4 transducer: neonatal echo and head, pediatric abdomen, pediatric echo, pelvis, renal

10V4 Transducer

Part Number	10041585
Frequency Bandwidth	4.0–10.0 MHz
Selectable 2D Frequencies	4.0, 6.0, 10.0 MHz
Selectable THI Frequencies	H5.0, H6.0, H8.0, H10.0 MHz
Selectable Color Doppler Frequencies	4.5, 5.0, 6.0 MHz
Selectable PW Doppler Frequencies	4.5, 5.0, 6.0 MHz
Number of Elements	128
Footprint	13 mm
Maximum Field of View	90°
Maximum Display Depth	150 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution (VC31 or above) HELX Evolution with Touch Control (VD10A or above)
Exam Types	Neonatal Echo, Neonatal Head, Pediatric Abdomen, Pediatric Echo, Pelvis, Renal
Design Attributes	• Vector imaging format • User-selectable MultiHertz imaging

Linear



Clinical applications for 18L6 HD transducer:
breast, cerebrovascular, musculoskeletal, penile, peripheral vascular, testicle, thyroid

18L6 HD Transducer

Part Number	11147413
Frequency Bandwidth	5.5–18.0 MHz
Selectable 2D Frequencies	8.0, 9.0, 10.0, 15.0, 16.0 MHz
Selectable THI Frequencies	H7.0, H8.0, H12.0, H14.0, H15.0, H16.0, H17.0 MHz
Selectable Color Doppler Frequencies	5.5, 6.25, 7.5, 9.0, 10.0 MHz
Selectable PW Doppler Frequencies	5.5, 6.25, 7.5, 9.0, 10.0 MHz
2D Steering Angle	Max. $\pm 20^\circ$
Color Doppler Steering Angle	Max. $\pm 20^\circ$
PW Doppler Steering Angle	Max. $\pm 20^\circ$
Number of Elements	576
Footprint	57 mm
Maximum Field of View	95 mm
Maximum Display Depth	80 mm
Biopsy Guide	18L6 HD Needle Guide Kit
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Breast, Cerebrovascular, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid
Design Attributes	• Hanafy lens transducer technology • Ergonomic design • Extra-long cable (2.1 m) for ease of use • Patented micro-pinless connector technology • MultiHertz multiple frequency imaging for 2D, harmonics, M-mode, color Doppler (color Doppler velocity [CDV] and color Doppler energy [CDE] capabilities), and PW Doppler
Applications Supported	• eSieImage multiparametric optimization (VC31A or above) • eSie Touch elasticity imaging • eSie Strain Ratio



Clinical applications for 14L5 SP transducer: breast, cerebrovascular, digital, penile, intraoperative abdomen, intraoperative vascular, musculoskeletal, testicle, thyroid

14L5 SP Transducer

Part Number	10041226
Frequency Bandwidth	5.0–14.0 MHz
Selectable 2D Frequencies	6.0, 9.0, 14.0 MHz
Selectable THI Frequencies	H11.0, H14.0 MHz
Selectable Color Doppler Frequencies	5.5, 6.25, 7.5 MHz
Selectable PW Doppler Frequencies	5.5, 6.25, 7.5, 9.0 MHz
2D Steering Angle	Max. $\pm 20^\circ$
Color Doppler Steering Angle	Max. $\pm 20^\circ$
PW Doppler Steering Angle	Max. $\pm 20^\circ$
Number of Elements	128
Footprint	26 mm
Maximum Field of View	40°
Maximum Display Depth	60 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution (VC31 or above) HELX Evolution with Touch Control (VD10A or above)
Exam Types	Breast, Cerebrovascular, Digital, 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
Applications Supported	• Axis direct ultrasound research interface



Clinical applications for 14L5 transducer:
breast, cerebrovascular, musculoskeletal, penile, peripheral vascular, testicle, thyroid

14L5 Transducer

Part Number	11147411
Frequency Bandwidth	5.0–14.0 MHz
Selectable 2D Frequencies	6.0, 9.0, 14.0 MHz
Selectable THI Frequencies	H7.0, H11.0, H14.0 MHz
Selectable Color Doppler Frequencies	5.5, 6.25, 7.5 MHz
Selectable PW Doppler Frequencies	5.5, 6.25, 7.5 MHz
2D Steering Angle	Max. $\pm 20^\circ$
Color Doppler Steering Angle	Max. $\pm 20^\circ$
PW Doppler Steering Angle	Max. $\pm 20^\circ$
Number of Elements	576
Footprint	39 mm
Maximum Field of View	40°
Maximum Display Depth	80 mm
Biopsy Guide	SG-4 Needle Guide Kit
Biopsy Guide Angles	53°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Breast, Cerebrovascular, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid
Design Attributes	• Multi-D matrix array transducer • Ergonomically designed form factor • Lightweight transducer with flexible cable • Virtual format imaging • Patented micro-pinless connector technology • MultiHertz multiple frequency imaging • Supports frequencies for all modes: 2D, M-mode, harmonics, color Doppler (color Doppler velocity [CDV] and color Doppler energy [CDE] capabilities), and PW Doppler
Applications Supported	• eSie Touch elasticity imaging • Axis direct ultrasound research interface • eSie Strain Ratio



Clinical applications for 9L4 transducer: breast, cerebrovascular, fetal echo, musculoskeletal, obstetrics and gynecology, pediatric abdomen and hip, pelvis, penile, peripheral vascular, testicle, thyroid

9L4 Transducer

Part Number	10041588
Frequency Bandwidth	4.0–9.0 MHz
Selectable 2D Frequencies	4.0, 6.0, 9.0 MHz
Selectable THI Frequencies	HC7.0, H7.0, H8.0, H9.0 MHz
Selectable Color Doppler Frequencies	4.0, 5.0, 6.75 MHz
Selectable PW Doppler Frequencies	4.0, 5.0, 6.75 MHz
Cadence CPS Frequencies	4.0, 5.0, 7.0 MHz
Cadence CHI Frequencies	7.0, 8.0, 9.0 MHz
2D Steering Angle	Max. $\pm 20^\circ$
Color Doppler Steering Angle	Max. $\pm 20^\circ$
PW Doppler Steering Angle	Max. $\pm 20^\circ$
Number of Elements	576
Footprint	40 mm
Maximum Field of View	147 mm
Maximum Display Depth	140 mm
Biopsy Guide	SG-3 Needle Guide
Biopsy Guide Angles	51°, 39°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Breast, Cerebrovascular, Fetal Echo, Musculoskeletal, Obstetrics/Gynecology, Pediatric Abdomen, Pediatric Hip, Pelvis, Penile, Peripheral Vascular, Testicle, Thyroid
Design Attributes	• Multi-D matrix array transducer • Ergonomically designed form factor • Lightweight transducer with flexible cable • MultiHertz multiple frequency imaging • Harmonic compounding • Patented micro-pinless connector technology
Applications Supported	• Virtual Touch imaging • Virtual Touch quantification • eSie Touch elasticity imaging • Cadence contrast pulse sequencing (CPS) technology • Cadence contrast harmonic imaging (CHI)



Clinical applications for 12L4 transducer: breast, cerebrovascular, digital, musculoskeletal, penile, peripheral vascular, testicle, thyroid, pediatric abdomen and hip

12L4 Transducer

Part Number	10854902
Frequency Bandwidth	4.0–12.0 MHz
Selectable 2D Frequencies	6.0, 9.0, 12.0 MHz
Selectable THI Frequencies	8.0, 12.0 MHz
Selectable Color Doppler Frequencies	4.0, 5.5, 6.75, 7.5 MHz
Selectable PW Doppler Frequencies	4.0, 5.5, 6.75, 7.5 MHz
Number of Elements	192
Footprint	51.3 mm
Maximum Field of View	153 mm
Maximum Display Depth	140 mm
Biopsy Guide	Biopsy Guide Starter Kit PN 11147385
Biopsy Guide Angles	48°
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	HELX Evolution (VC31X or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Breast, Cerebrovascular, Digital, Musculoskeletal, Penile, Peripheral Vascular, Testicle, Thyroid, Pediatric Abdomen, Pediatric Hip
Design Attributes	• Hanafy lens transducer technology • Patented micro-pinless connector technology • MultiHertz multiple frequency imaging for 2D, harmonics, M-mode, color Doppler (color Doppler velocity [CDV] and color Doppler energy [CDE] capabilities), and PW Doppler
Applications Supported	• eSieImage multiparametric optimization (VC31A or above) • eSie Touch elasticity imaging • eSie Strain Ratio

Specialty



Clinical applications for EV-8C4 transducer:
endovaginal gynecology and obstetrics

EV-8C4 Transducer

Part Number	10045061
Frequency Bandwidth	4.0–9.0 MHz
Selectable 2D Frequencies	4.0, 6.0, 8.0 MHz
Selectable THI Frequencies	HC7.0, H8.0, H9.0 MHz
Selectable Color Doppler Frequencies	4.2, 5.0, 6.75 MHz
Selectable PW Doppler Frequencies	4.2, 5.0, 6.75 MHz
PW Doppler Steering Angle	Variable
Aperture	26 mm
Number of Elements	128
Array Length	28.2 mm
Maximum Field of View	135°
Maximum Display Depth	140 mm
Radius of Curvature	12.5 mm
Biopsy Guide	EV-8C4 Disposable Needle Guide Set EV-8C4 Reusable Needle Guide Set
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Endovaginal Gynecology, Endovaginal Obstetrics
Design Attributes	• Tightly curved format • Wide field of view • MultiHertz multiple frequency imaging • Harmonic compounding • Patented micro-pinless connector technology



Clinical applications for 4P1 transducer: abdomen, adult and fetal echo, obstetrics and gynecology, pediatric echo, pelvis, renal, transcranial

4P1 Transducer

Part Number	11147412
Frequency Bandwidth	1.0–4.5 MHz
Selectable 2D Frequencies	1.75, 2.0, 2.25, 3.0, 4.0 MHz
Selectable THI Frequencies	H3.0, H3.75 (TCD), H4.0, H4.5, H4.64 MHz
Selectable Color Doppler Frequencies	2.0, 2.5, 3.5 MHz
Selectable PW Doppler Frequencies	2.0, 2.5, 3.5 MHz
Selectable CW Doppler Frequencies	2.0, 2.5, 3.5 MHz
Number of Elements	288
Footprint	19.2 mm
Maximum Field of View	90°
Maximum Display Depth	300 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Abdomen, Adult Echo, Fetal Echo, Ostetrics/ Gynecology, Pediatric Echo, Pelvis, Renal, Transcranial
Design Attributes	• Ergonomically designed form factor • Lightweight transducer with flexible cable • Vector wide-view imaging format • Multi-D matrix array transducer • Multiple frequencies for all modes • 2D, M-mode, harmonics, color Doppler (CDV, CDE, DTI), PW and CW Doppler • MultiHertz multiple frequency imaging
Applications Supported	• Axis direct ultrasound research interface



Clinical applications for V7M transducer: pediatric and adult transesophageal echocardiography

V7M Transducer

Part Number	10436694
Frequency Bandwidth	4.0–8.0 MHz
Selectable 2D Frequencies	4.0, 5.0, 6.0, 7.0, 8.0 MHz
Selectable Color Doppler Frequencies	3.5, 3.75, 4.0, 4.75 MHz
Selectable PW Doppler Frequencies	3.5, 3.75, 4.0 MHz
Selectable CW Doppler Frequencies	3.5, 3.75, 4.0 MHz
PW Doppler Steering	Variable
Aperture	7.6 mm
Number of Elements	48
Array Length	7 mm
Maximum Field of View	90°
Maximum Display Depth	180 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Pediatric and adult transesophageal echo
Design Attributes	• Small tip size for patient comfort • Ergonomic design for one-hand control • Manual rotation -10° to 190° • Vector wide-view imaging format • MultiHertz multiple frequency imaging • Supported imaging modes include 2D, color Doppler (color Doppler velocity [CDV], Doppler tissue velocity [DTV], and Doppler tissue equalization [DTE] capabilities), PW and CW Doppler, and M-mode • DTI Doppler tissue imaging capability



Clinical applications for V5Ms transducer: pediatric and adult transesophageal echocardiography

V5Ms Transducer

Part Number	11146949
Frequency Bandwidth	3.0–7.0 MHz
Selectable 2D Frequencies	4.0, 5.0, 6.0, 7.0 MHz
Selectable Color Doppler Frequencies	3.5, 3.75, 4.0 MHz
Selectable PW Doppler Frequencies	3.5, 3.75, 4.0 MHz
Selectable CW Doppler Frequencies	3.5, 3.75, 4.0 MHz
Number of Elements	64
Footprint	9.6 mm
Maximum Field of View	90°
Maximum Display Depth	180 mm
Tip Articulation Range	Anterior 120°, Posterior 90°, Left/Right 45°
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Transesophageal Echo
Design Attributes	• Endoscope diameter 10.5 mm, length 110 cm • Adult tip width 14.5 mm, height 11.5 mm • Ergonomic design featuring one-hand control with variable speed rotation 90° per second • RF shielding • MultiHertz multiple frequency imaging • MultiHertz imaging with 2D, M-mode, color Doppler, PW, CW, and external noise suppression



Clinical applications for CW5 transducer: adult, neonatal and pediatric echo, cerebrovascular, peripheral vascular, transcranial

CW5 Transducer

Part Number	10041656
Selectable CW Doppler Frequencies	5.0 MHz
Number of Elements	2
Diameter	11.3 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Adult Echo, Cerebrovascular, Neonatal Echo, Peripheral Vascular, Pediatric Echo, Transcranial



Clinical applications for CW2 transducer: adult, neonatal and pediatric echo, cerebrovascular, peripheral vascular, transcranial

CW2 Transducer

Part Number	10041655
Selectable CW Doppler Frequencies	2.0 MHz
Number of Elements	2
Diameter	17.2 mm
Biopsy Guide	Not available
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Adult Echo, Cerebrovascular, Neonatal Echo, Pediatric Echo, Peripheral Vascular, Transcranial



Clinical applications for ACUSON AcuNav 8F ultrasound catheter: adult intracardiac echocardiography

ACUSON AcuNav 8F Ultrasound Catheter

Frequency Bandwidth	4.0–10.0 MHz
Selectable 2D Frequencies	4.0, 5.0, 6.0, 7.0, 8.0, 10.0 MHz
Selectable THI Frequencies	Not available
Selectable Color Doppler Frequencies	4.5, 5.0, 6.0, 6.5 MHz
Selectable PW Doppler Frequencies	4.5, 5.0, 6.0 MHz
Selectable CW Doppler Frequencies	4.0, 4.5, 5.0 MHz
Cadence CPS Frequencies	Not available
PW Doppler Steering Angle	Variable
Aperture	7 mm
Number of Elements	64
Array Length	7 mm
Field of View	90°
Maximum Display Depth	180 mm
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	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 technology • Reusable SwiftLink catheter connector • Four-way steering in two planes 160° in each direction • Longitudinal side-fire imaging • Vector wide-view imaging format • DTI Doppler tissue imaging capability • Supports 2D, M-mode, color M-mode, PW Doppler, color Doppler, and DTI capability

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.*



Clinical applications for ACUSON AcuNav 10F ultrasound catheter: adult intracardiac echocardiography

ACUSON AcuNav 10F Ultrasound Catheter

Frequency Bandwidth	4.0–10.0 MHz
Selectable 2D Frequencies	4.0, 5.0, 6.0, 7.0, 8.0, 10.0 MHz
Selectable THI Frequencies	Not available
Selectable Color Doppler Frequencies	4.5, 5.0, 6.0, 6.5 MHz
Selectable PW Doppler Frequencies	4.5, 5.0, 6.0 MHz
Selectable CW Doppler Frequencies	4.0, 4.5, 5.0 MHz
Cadence CPS Frequencies	Not available
PW Doppler Steering Angle	Variable
Aperture	7 mm
Number of Elements	64
Array Length	7 mm
Field of View	90°
Maximum Display Depth	180 mm
Compatible with	ACUSON S1000 ultrasound system ACUSON S2000 ultrasound system ACUSON S3000 ultrasound system
Release Version	Classic (VC25 or below) HELX Evolution (VC30 or above) HELX Evolution with Touch Control (VD10 or above)
Exam Types	Adult intracardiac echocardiography
Design Attributes	• 10 French catheter (3.3 mm diameter) • 90 cm insertable length • Sterile, single-use advanced miniaturization ACUSON AcuNav ultrasound catheter technology • Reusable SwiftLink catheter connector • Four-way steering in two planes 160° in each direction • Longitudinal side-fire imaging • Vector wide-view imaging format • DTI Doppler tissue imaging capability • Supports 2D, M-mode, color M-mode, PW Doppler, color Doppler, and DTI capability

Requires cardiac package.

For purchase or inquiries, contact Biosense Webster:

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For more information on the commercial availability of ACUSON S1000, HELX with Touch Control, contact your regional Siemens Healthineers representative.

The products/features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed.

Please contact your local Siemens Healthineers organization for further details.

Frequency bandwidth measurements represent bandwidth at ± 20 dB.

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We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com

Legal Manufacturer

Siemens Medical Solutions USA, Inc.
Ultrasound
22010 S.E. 51st Street
Issaquah, WA 98029, USA
Phone: 1-888-826-9702
siemens-healthineers.com/ultrasound