



Transducers

ACUSON NX2 Elite Ultrasound System

Release 1.1

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Comprehensive suite of transducers

The ACUSON NX2 Elite ultrasound system has a comprehensive suite of over 10 transducers supporting a diverse range of clinical applications

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Curved



CH5-2 Transducer

Form factor	Curved
Design	1D, Hanafy, Piezoceramic
Gesture detection	No
Bandwidth	1.5–5.1 MHz
Axial and lateral resolution	1.0 and 2.0 mm
Field of view	68 deg
Physical footprint	70.6 x 22.8 mm
Total weight	914 g



C5-2v Transducer

Form factor	Curved
Design	1D, Piezoceramic
Gesture detection	No
Bandwidth	1.7–4.9 MHz
Axial and lateral resolution	2.0–3.0 mm
Field of view	68 deg
Physical footprint	80 x 31 mm
Total weight	910 g



C8F3 Transducer

Form factor	Curved
Design	1D, Piezoceramic
Gesture detection	No
Bandwidth	2.6–8.0 MHz
Axial and lateral resolution	2.0 and 3.0 mm
Field of view	68 deg
Physical footprint	74 x 55 mm
Total weight	757 g

Linear



L10-5v Transducer

Form factor	Linear
Design	1D, Piezoceramic
Gesture detection	No
Bandwidth	4.2–12.0 MHz
Axial and lateral resolution	2.0–3.0 mm
Field of view	102 mm
Physical footprint	55.7 x 17.9 mm
Total weight	820 g



VF10-5 Transducer

Form factor	Linear
Design	–
Gesture detection	No
Bandwidth	5.0–10.0 MHz
Axial and lateral resolution	–
Field of view	100 mm
Physical footprint	50.6 x 18.8 mm
Total weight	767 g

Phased



P4-2 Transducer

Form factor	Phased
Design	1D, Piezocomposite
Gesture detection	No
Bandwidth	1.4–4.2 MHz
Axial and lateral resolution	1.0 and 3.0 mm
Field of view	88 deg
Physical footprint	30.1 x 24.1 mm
Total weight	799 g

Endocavity



EC9-4 Transducer

Form factor	Endocavity
Design	1D, Piezoceramic
Gesture detection	No
Bandwidth	3.1–10.0 MHz
Axial and lateral resolution	1.0 and 3.0 mm
Field of view	128 deg
Physical footprint	19.9 x 17.9 mm
Total weight	926 g



10MC3 Transducer

Form factor	Endocavity
Design	1D, Piezoceramic
Gesture detection	No
Bandwidth	5.0–10.0 MHz
Axial and lateral resolution	0.5 and 1.0 mm
Field of view	130 deg
Physical footprint	22.2 x 19.0
Total weight	915 g

Non-Imaging



CW2 Transducer

Form factor	Pencil
Design	N/A
Gesture detection	N/A
Bandwidth	N/A
Axial and lateral resolution	N/A
Field of view	N/A
Physical footprint	17.1 mm
Total weight	181 g



CW5 Transducer

Form factor	Pencil
Design	N/A
Gesture detection	N/A
Bandwidth	N/A
Axial and lateral resolution	N/A
Field of view	N/A
Physical footprint	12 mm
Total weight	190 g

Table 1: Selectable frequencies

Transducer	2D	THI	Color Doppler	Pulsed Wave	Contin. Wave Frequencies	M-mode	CW Doppler
CH5-2	2.5, 3.6, 5.0	3.1, 3.6, 4.4, 5.0	2.0, 2.7	2.0, 2.7	N/A	2.5, 3.6, 5.0, 3.1, 3.6, 4.4, 5.0	N/A
C5-2v	2.5, 3.6, 4.7	3.1, 3.6, 4.4, 5.0	2.0, 2.7	2.0, 2.7	N/A	2.5, 3.6, 4.7, 3.1, 3.6, 4.4, 5.0	N/A
C8F3	3.3, 4.2, 5.0	4.4, 5.0, 5.7	2.7, 3.3	2.7, 3.3	N/A	3.3, 4.2, 5.0, 4.4, 5.0, 5.7	N/A
L10-5v	6.2, 8.0, 10.0	7.3, 8.0, 9.4	4.0, 5.3, 6.2	4.0, 5.3, 6.2	N/A	6.2, 8.0, 10.0	N/A
VF10-5	6.2, 8.0, 10.0	7.3, 8.0, 9.4	4.0, 5.3, 6.2	4.0, 5.3, 6.2	N/A	6.2, 8.0, 10.0	N/A
P4-2	2.0, 2.5, 2.9, 3.1, 3.6	2.7, 3.0, 3.1, 3.4, 3.6, 4.0	2.0, 2.2, 2.5, 3.3	2.0, 2.2, 2.5, 3.3	2.0	2.0, 2.5, 2.9, 3.1, 3.6, 3.0, 3.4, 3.6, 4.0	N/A
EC9-4	5.0, 6.7, 7.3	5.7, 6.6, 9.4	4.0, 5.3, 6.2	4.0, 5.3, 6.2	N/A	5.0, 6.7, 7.3	N/A
10MC3	5.0, 6.2, 7.3	6.7, 7.3, 8.0, 9.4	4.0, 5.3, 6.2	4.0, 5.3, 6.2	N/A	5.0, 6.2, 7.3	N/A
CW2	N/A	N/A	N/A	N/A	N/A	N/A	2.0
CW5	N/A	N/A	N/A	N/A	N/A	N/A	5.0

Table 2: Cable length

Transducer	Cable length
CH5-2	2.2 m
C5-2v	2.2 m
C8F3	2.1 m
L10-5v	2.2 m
VF10-5	2.2 m
P4-2	2.0 m
EC9-4	2.1 m
10MC3	2.1 m
CW2	1.9 m
CW5	2.1 m

Table 3: Connector type

Transducer	Connector type
CH5-2	DL260
C5-2v	DL260
C8F3	DL260
L10-5v	DL260
VF10-5	DL260
P4-2	DL260
EC9-4	DL260
10MC3	DL260
CW2	Hirose
CW5	Hirose

Table 4: Needle guide

Transducer	Product description	Guidance angle selection – depth
CH5-2	ACUSON NX2, CH4-1 Needle Guide Set	A – 45° B – 30.5°
C5-2v	ACUSON NX2, C5-2v Needle Guide Set	A – 40.4° B – 25.6°
C8F3	N/A	N/A
L10-5v	ACUSON NX2, L10-5v Needle Guide Set	A – 51.5° B – 38°
VF10-5	ACUSON NX2, SG-3 Needle Guide Set	A – 52° B – 40°
P4-2	N/A	N/A
EC9-4	ACUSON NX2, EC9-4 Reusable Needle Guide Set	2°
10MC3	ACUSON NX2, 10MC3 Needle Guide Set	1.3°
CW2	N/A	N/A
CW5	N/A	N/A

Table 5:

Advanced applications

Transducer	Strain Elastography	Point Shear Wave Elastography	2D Shear Wave Elastography	Contrast Imaging	Fusion Imaging
CH5-2	No	N/A	N/A	N/A	N/A
C5-2v	No	N/A	N/A	N/A	N/A
C8F3	No	N/A	N/A	N/A	N/A
L10-5v	Yes	N/A	N/A	N/A	N/A
VF10-5	Yes	N/A	N/A	N/A	N/A
P4-2	No	N/A	N/A	N/A	N/A
EC9-4	No	N/A	N/A	N/A	N/A
10MC3	No	N/A	N/A	N/A	N/A
CW2	No	N/A	N/A	N/A	N/A
CW5	No	N/A	N/A	N/A	N/A
P4-2	N/A	N/A	N/A	N/A	N/A
EC9-4	N/A	N/A	N/A	N/A	N/A
10MC3	N/A	N/A	N/A	N/A	N/A

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