



**Transducers**

# **ACUSON NX3 Ultrasound System**

Release 2.0

[siemens-healthineers.com/ultrasound](https://siemens-healthineers.com/ultrasound)



# Comprehensive suite of transducers

The ACUSON NX3 ultrasound system has a comprehensive suite of over 8 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	66 deg
Physical footprint	70.6 x 22.8 mm
Total weight	914 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	67 deg
Physical footprint	74 x 55 mm
Total weight	757 g

# Linear



## VF12-4 Transducer

Form factor	Linear
Design	1D, Hanafy, Piezoceramic
Gesture detection	No
Bandwidth	2.8–11.5 MHz
Axial and lateral resolution	1.0 and 3.0 mm
Field of view	153 mm
Physical footprint	61.9 x 14.6 mm
Total weight	951 g



## 11L4 Transducer

Form factor	Linear
Design	1D, Piezocomposite
Gesture detection	No
Bandwidth	3.5–12.8 MHz
Axial and lateral resolution	0.5 and 0.5 mm
Field of view	101 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	90 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	3.4–10.2 MHz
Axial and lateral resolution	0.5 and 1.0 mm
Field of view	130 deg
Physical footprint	22.2 x 19.0 mm
Total weight	915 g



## BP10-3 Transducer

Form factor	Endocavity
Design	1D, Piezoceramic
Gesture detection	No
Bandwidth	3.3–9.9 MHz
Axial and lateral resolution	2.0 and 2.0 mm
Field of view	166 deg
Physical footprint	26.4 x 20.2 mm
Total weight	930 g

## Table 1: Selectable frequencies

Transducer	2D	THI	Color Doppler	Pulsed Wave	Contin. Wave Frequencies	M-mode
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
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
VF12-4	6.2, 8.0, 11.4	6.7, 8.0, 9.4	4.0, 6.7	4.0, 6.7	N/A	6.2, 8.0, 11.4
11L4	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
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
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
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
BP10-3	5.0, 6.7, 8.0	7.2, 8.0, 8.8	4.4, 5.3	4.4, 5.3	N/A	5.0, 6.7, 8.0

## Table 2: Cable length

Transducer	Cable length
CH5-2	2.2 m
C8F3	2.1 m
VF12-4	2.1 m
11L4	2.1 m
P4-2	2.0 m
EC9-4	2.1 m
10MC3	2.1 m
BP10-3	2.2 m

## Table 3: Connector type

Transducer	Connector type
CH5-2	DL260
C8F3	DL260
VF12-4	DL260
11L4	DL260
P4-2	DL260
EC9-4	DL260
10MC3	DL260
BP10-3	DL260

## 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°
C8F3	N/A	N/A
VF12-4	Biopsy Guide Start Set, Biopsy Guide Bracket	48°
11L4	Biopsy Guide Starter Set	A – 39° B – 51°
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°
BP10-3	Reusable Needle Guide Disposable Needle Guide, 5 pack Disposable Needle Guide, 24 pack	29°

## Table 5: Advanced applications

Transducer	Strain Elastography	Point Shear Wave Elastography	2D Shear Wave Elastography	Contrast Imaging	Fusion Imaging
CH5-2	N/A	N/A	N/A	N/A	N/A
C8F3	N/A	N/A	N/A	N/A	N/A
VF12-4	N/A	N/A	N/A	N/A	N/A
11L4	N/A	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
BP10-3	N/A	N/A	N/A	N/A	N/A

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