GE Healthcare

Vivid E9 with XDclear

Transducer Guide

Vivid* E9 with XDclear* offers a broad range of transducers to help achieve extraordinary images for cardiac, vascular, abdominal, pediatric, neonatal, fetal heart, obstetric, gynecologic, urological, transcranial small parts and rodent applications.

D-Series transducers

Incredible technology makes imaging incredibly easy.

The moment you put the transducer on the patient, these highly advanced, ergonomically designed transducers work with the Accelerated Volume Architecture of the Vivid E9 to provide excellent image quality.

GE second generation in-transducer 4D beamforming increases bandwidth and second harmonic sensitivity to provide enhanced image resolution and angular sensitivity.

Single Crystal Technology uses new piezoelectric materials to increase bandwidth, offering enhanced signal to noise and enhanced axial resolution and penetration. Matrix Array Technology uses multiple rows of crystals to help achieve uniform resolution throughout the field of view.

Advanced ergonomic design features lightweight polymers and light, flexible cables for ease of movement. Transducers are shaped for ergonomic grip so they fit the hand comfortably, with ridges for enhanced handling.

Sector

	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
 M5S-D†	Cardiac, Pediatric, Abdomen, Fetal Heart, Transcranial, Coronary, Stress, LVO Contrast, LVO Stress, Contrast† Low MI	Active Matrix Single Crystal Phased Array Transducer	17 X 28 mm	Multi-angle disposable with a reusable bracket	1.5–4.6 MHz	120°	30 cm
 M5Sc-D†	Cardiac, Pediatric Abdomen, Fetal Heart, Transcranial, Coronary, Stress, Contrast Low MI, LVO Stress, LVO Contrast†	XDclear Active Matrix Single Crystal Phased Array Transducer	17 X 26	Multi-angle disposable with a reusable bracket	1.5–4.6 MHz	120°	30 cm
 6S-D	Pediatric, Cardiac, Coronary, Neonatal Head, Abdominal, Fetal Heart	Phased Array Transducer	15 X 22 mm		2.4–8.0 MHz	115°	16 cm
 12S-D	Pediatric, Cardiac, Coronary, Neonatal Head, Rodent	Phased Array Transducer	15 X 12 mm		4.0–12.0 MHz	105°	12 cm

Linear

	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
 9L-D†	Vascular, Musculoskeletal, Thyroid, Contrast†	Linear Array Transducer	14 X 53 mm	Multi-angle disposable with a reusable bracket	2.4–10.0 MHz	45 mm	12 cm
 11L-D	Vascular, Breast, Small Parts, Musculoskeletal, Thyroid, Scrotal, Rodent	Linear Array Transducer	12 X 47 mm	Multi-angle disposable with a reusable bracket	4.5–12.0 MHz	39 mm	8 cm
 ML6-15-D	Vascular, Breast, Small Parts, Musculoskeletal, Thyroid, Scrotal, Rodent	Linear array Transducer	13 X 58 mm	Multi-angle disposable with a reusable bracket	4.5–15.0 MHz	50 mm	8 cm

†GE Healthcare's Vivid E9 is designed for compatibility with commercially available contrast agents. Because the availability of these agents is subject to government regulation and approval, product features intended for use with these agents may not be commercially marketed nor made available before the contrast agent is approved for use. Advanced contrast features are only enabled on systems for delivery in countries or regions where the agents are approved for use or for investigational or research use.

Convex

	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
 4C-D	Abdomen, OB/GYN, Urology, Vascular, Fetal Heart	Curved Array Transducer	18 X 62 mm	Multi-angle disposable with a reusable bracket	1.6–6.0 MHz	58°	30 cm
 C1-5-D†	Abdomen, OB/GYN, Urology, Vascular, Fetal Heart, Contrast†	Curved Array Transducer	17 X 74 mm	Multi-angle disposable with a reusable bracket	1.6–6.0 MHz	65°	35 cm
 C2-9-D	Abdomen, OB/GYN, Urology, Fetal Heart	XDclear Curved Array Transducer	14 X 56 mm	Multi-angle disposable with a reusable bracket	2.3–8.4 MHz	65°	30 cm
 8C	Abdomen, Vascular, Neonatal Head	Tightly Curved Array Transducer	10 X 23 mm		4.0–8.0 MHz	128°	30 cm
 iC5-9-D	OB/GYN, Urology, Fetal Heart	Tightly Curved Array Transducer	11 X 32 mm	Single-angle disposable bracket	3.3–8.6 MHz	128°	30 cm

Doppler

	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
 P2D	Cardiac	Pencil Transducer			2.0 MHz		
 P6D	Vascular	Pencil Transducer			6.3 MHz		

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Volume

4V-D

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, LVO Contrast, Stress, Fetal Heart, Coronary, LVO Stress, Contrast Low MI	Active Matrix 4D Volume Phased Array Transducer	21 X 24 mm		1.5–4.0 MHz	90°	30 cm

Transesophageal‡

6VT-D

6Tc

9T

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, LVO Contrast, Coronary	TEE Transducer	Tip 14.3 X 12.7 mm Length 44.8 mm		3.0–8.0 MHz	90°	20 cm
Cardiac, Coronary	TEE Transducer	Tip 12 X 14 mm Length 45 mm		3.0–8.0 MHz	90°	20 cm
Pediatric	TEE Transducer	Tip 10.9 X 8.4 mm Length 35.2 mm		3.0–10.0 MHz	90°	14 cm

‡ 6Tc-RS, 6T-RS, 9T-RS are supported via RS transducer adapter. Also supports the 6T transducer (part numbers KN100092, KN100093, KN100104 and KN100105).

Intraoperative

i13L

Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
Cardiac, Rodent	Linear IO Transducer	28 X 10 mm		5.9–14.1 MHz	20 mm	6 cm

imagination at work

GE Medical Systems Ultrasound & Primary Care Diagnostics, LLC, a General Electric Company doing business as GE Healthcare.

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