

Vivid E9 BT12

Transducer Guide

Introducing Vivid® E9 D-Series transducers. You now have the power to acquire extraordinary images on every patient, with transducer technology that maximizes penetration without sacrificing resolution. Our complete selection of transducers provides an answer to most currently available ultrasound use scenarios.



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 maximize image quality.

Second generation in-probe 4D beamforming increases bandwidth and second harmonic sensitivity to provide improved image resolution and angular sensitivity.


Single Crystal Technology uses new piezoelectric materials to increase bandwidth, offering better signal to noise and improved 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 proper grip so they fit the hand comfortably, with ridges for improved 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, Renal | Active Matrix Single Crystal Phased Array Probe | 17 X 28 mm | | 1.5–4.6 MHz | 120° | 30 cm |
|  6S-D | Pediatric, Cardiac, Coronary, Neonatal head, Abdominal, Fetal Heart | Phased Array Probe | 15 X 22 mm | | 2.4–8.0 MHz | 115° | 16 cm |
|  12S-D | Pediatric, Cardiac, Coronary, Neonatal head, Rodents | Phased Array Probe | 15 X 12 mm | | 4.0–12.0 MHz | 105° | 12 cm |

Convex

| | Applications | Description | Footprint | Biopsy Guide | Bandwidth | Field of View | Depth of Field |
|---|--|--------------------|------------|--|-------------|---------------|----------------|
|  4C-D | Abdomen, OB/GYN, Urology, Vascular, Fetal Heart, Pelvic, Renal | Curved Array Probe | 18 X 62 mm | Multi-angle disposable with a reusable bracket | 1.6–6.0 MHz | 58° | 30 cm |

Doppler



P2D



P6D

| Applications | Description | Footprint | Biopsy Guide | Bandwidth | Field of View | Depth of Field |
|---------------|--------------|-----------|--------------|-----------|---------------|----------------|
| Cardiac | Pencil Probe | | | 2.0 MHz | | |
| Vascular, LEA | Pencil Probe | | | 6.3 MHz | | |

Linear



9L-D*



11L-D



ML6-15-D

| Applications | Description | Footprint | Biopsy Guide | Bandwidth | Field of View | Depth of Field |
|---|--------------------|------------|--|--------------|---------------|----------------|
| Vascular, Musculoskeletal, Thyroid, Contrast† | Linear Array Probe | 14 X 53 mm | Multi-angle disposable with a reusable bracket | 2.4–10.0 MHz | 45 mm | 12 cm |
| Vascular, Breast, Small Parts, Musculoskeletal, Thyroid, Scrotal, Rodents | Linear Array Probe | 12 X 47 mm | Multi-angle disposable with a reusable bracket | 4.5–12.0 MHz | 39 mm | 8 cm |
| Vascular, Breast, Small Parts, Musculoskeletal, Thyroid, Scrotal, Rodents | Linear array Probe | 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.

Volume



4V-D

| Applications | Description | Footprint | Biopsy Guide | Bandwidth | Field of View | Depth of Field |
|--|--|------------|--------------|-------------|---------------|----------------|
| Cardiac, LVO Contrast, Stress, Fetal Heart, Coronary, LVO Stress | Active Matrix 4D Volume Phased Array Probe | 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 | Active Matrix 4D Volume Phased Array TEE Probe | Tip 14.3 X 12.7 mm Length 44.8 mm | | 3.0–8.0 MHz | 90° | 20 cm |
| Cardiac | Multi-plane Phased Array TEE Probe | Tip 12 X 14 mm Length 45 mm | | 3.0–8.0 MHz | 90° | 20 cm |
| Pediatric | Multi-plane Phased Array TEE Probe | 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 probe adapter. 6T is also supported.

Intraoperative



i13L

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

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