# GE Vivid E Ultrasound

The **GE Vivid E** is a portable laptop-style ultrasound that can provide high quality images. The Vivid E ultrasound was designed for cardiovascular imaging. The GE ultrasound can also provide imaging for; gynecology, musculoskeletal, abdominal, and basic uses. The Vivid E is built on the TruTruScan architecture. This can use the raw data from the transducer and probes to give you exceptional images. The System can provide M-Mode, PW/CW Doppler, Color Flow, Power Doppler, ECG Module, Color M-Mode, Auto Tissue Optimization (ATO), Auto CFM Optimization (ACO), and Auto Spectrum Optimization (ASO) imaging. Vivid ultrasound's new features for Cardiac imaging include dual focus and compound imaging. This combines multiple views to create one real-time image.

## Features

- 15 inch Color LCD screen, High-resolution
- 2D, Color and Doppler imaging
- Speckle Reduce Imaging
- on-board high capacity hard disk storage
- Wide Range of connectivity options
- DICOM storage

SOMA TECH INTL • 166 HIGHLAND PARK DRIVE • BLOOMFIELD, CT 06002 • USA
PHONE: 1.800.GET.SOMA • WWW.SOMATECHNOLOGY.COM • EMAIL: SOMA@SOMATECHNOLOGY.COM

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# Specifications

| | |
|---|---|
| **Dimensions** | Height: 76.7mm (3.12in) |
| | Depth: 327 mm (13.35 in) |
| | Width: 340mm (13.88 in) |
| | Weight aprox.: 4.6 kg (10.1 lb) |
| **General** | 1024 Digital Processing Channel Technology |
| | Variable transmit frequencies for resolution/penetration optimization |
| | Display zoom with zoom area control |
| | Variable Contour Filtering: for edge enhancement |
| | Depth range up to 30 cm - probe specific |
| | Selectable Grayscale Parameters: Gain, Reject, Frame Average and Compress - can be adjusted in live, digital replay and image clipboard recall |
| | 256 shades of gray (VGA) |
| | 172 dB system internal dynamic range |
| | 6 TGC ports for image optimization |
| **Display** | High-resolution, flat 15-inch TFT LCD screen |
| | Display Pixel: 1024 x 768 pixels with 260 thousand simultaneous colors available |
| | Instant review screen displays 16 simultaneous loops/ images for a quick study review |
| | Image orientation marker |
| | Selectable display configuration of Duplex and Triplex modes displays: side by side or top bottom, format size (1/3,1/2,2/3). Can be changed during image recall during live, digital replay and clipboard |
| | Single, dual and quad screen display |
| **Electrical Power** | Battery or mains-line operation |
| | AC Adapter Voltage input: 100-240 VAC |
| | Frequency: 50/60 Hz |
| | Power: Max 130 VA with peripherals |
| **Data Processing** | Echo data processing of phase, amplitude and frequency |
| | Easily upgradeable for future expansions |
| | On line and off line post processing and measurment analysis |
| | On board raw data processing capabilities |

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