



The **GE Voluson E8** is a Premium Ultrasound used primarily for women's health. The system can provide 4d ultrasound imaging for gynecology and obstetrics. The Voluson E8 offers HDlive 4D technology. A lifelike ultrasound image is composed of four different images that generate a real-time 4D image. The technology also provides the ability to adjust the light source to get more details and depth out of the final image. The Ultrasound system can also supply ultrasound imagery for adult, pediatric, and Neonatal cardiology. The system has a 23-inch color high-definition monitor and a 12-inch touch panel with additional functionality.

Features

- Up to 40 frames per second in 4D mode
- 2D/3D/4D Imaging
- "HDLive" advanced 4D ultrasound imaging
- 67,584 imaging channels
- M-Mode, M-Color Flow
- PW/CW Spectral Doppler
- Color/Power/Tissue Doppler
- HD Flow
- B-Flow
- CrossXBeam
- SRI II HD Speckle Reduction Imaging
- Coded Excitation
- Coded Harmonics
- Contrast Imaging



Specifications

Dimensions	50.8", 1290mm (h) x 22.8", 580mm (w) x 36.6", 930mm (d)
Weight	265 lbs, 120(kg)
Monitor	<p>15" LCD Monitor</p> <p>High brightness with 350 cd/m²</p> <p>Tilt/Rotate adjustable Monitor Tilt Angle: +10°/-90° Rotate Angle: 360°</p> <p>Digital brightness & contrast adjustment</p>
Console Design	<p>3 Active Probe ports (plus 1 non-imaging port)</p> <p>Integrated HD (160 GB)</p> <p>Integrated DVD+ R(W) / CD-R(W) drive</p> <p>On-board storage for peripherals</p> <p>Wheels - Wheel diameter 150mm</p> <p>Integrated locking mechanism that provides rolling lock</p> <p>Integrated cable management</p> <p>Front and rear handles</p>
Operator Keyboard	<p>Floating Keyboard: Rotation: adjustable+/-40° from center Height adjustable + 200mm</p> <p>Full-sized, backlit alphanumeric keyboard</p> <p>Ergonomic hard key layout</p> <p>Interactive back-lighting</p> <p>Intergrated recording keys for remote control of up to 4 Peripherals or DICOM devices</p>
Touch Screen	<p>10.4 in High Resolution color CD screen</p> <p>Interactive dyamic software menu</p> <p>Brightness adjustable</p>
System Standards	<p>State-of-the-art user inteface with high resolution 10.4inch LCD touch panel</p> <p>Automatic Tissue Optimization</p> <p>Tissue doppler</p> <p>Coded Harmonic Imaging</p> <p>Coded Excitation (CE)</p> <p>HD-Flow</p> <p>XTD</p> <p>SRI III (Speckle reduction Imaging)</p> <p>CrossXBeamCRI (Compound Resolution Imaging)</p> <p>Focus&Frequency composite (FFC)</p> <p>High resolution Zoom</p> <p>Pan Zoom</p>



Specifications

System Standards (continued)

Steering
 Virtual Convex
 Beta-View
 Patient Information Database
 Image Archive on hard drive
 3D/4D data compression (lossy/Lossless)
 Inversion
 Real-time automatic Doppler calcs
 Measurement & Calculations including Worksheets/Reports for: OB, GYN, Vascular, Cardio, Abdominal, Small-Parts, Urology, Pediatrics, Ortho, Neurology
 Mutigestational calculations

Peripheral Options

Integrated printers:
 B&W thermal printers
 Color thermal printers
 DVD Recorder
 ECG Digital Module
 External Color PC desktop printer & connection kits

Electrical Power

Voltage: 100-130-220-240 Vac
 Frequency: 50/60 Hz
 Power: Max. 1000VA with on-board Peripherals
 Thermal Output: 3446 BTU/h

Operation Modes

B-Mode (2D)
 M-Mode (M)
 M-Color-Mode (MC)
 Color Flow Mode (C)
 Power Doppler Imaging (PD)
 Tissue Doppler Imaging(TD)
 HD-Flow Imaging (HD-Flow)
 PW Doppler with high PRF (PW)
 B-Flow
 Extended View (XTD View)
 Coded Contract Imaging (Contrast Media)
 Volume Mode(3D/4D):
 - 3D static
 - 4D real Time
 - VCI-A, VCI-C
 - STIC/ Color, Angio, HD-Flow, Contrast & B-Flow
 - 4 D Biopsy

