



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	15" LCD Monitor High brightness with 350 cd/m ² Tilt/Rotate adjustable Monitor Tilt Angle: +10°/-90° Rotate Angle: 360° Digital brightness & contrast adjustment
Console Design	3 Active Probe ports (plus 1 non-imaging port) Integrated HD (160 GB) Integrated DVD+ R(W) / CD-R(W) drive On-board storage for peripherals Wheels - Wheel diameter 150mm Integrated locking mechanism that provides rolling lock Integrated cable management Front and rear handles
Operator Keyboard	Floating Keyboard: Rotation: adjustable+/-40° from center Height adjustable + 200mm Full-sized, backlit alphanumeric keyboard Ergonomic hard key layout Interactive back-lighting Integrated recording keys for remote control of up to 4 Peripherals or DICOM devices
Touch Screen	10.4 in High Resolution color CD screen Interactive dynamic software menu Brightness adjustable
System Standards	State-of-the-art user interface with high resolution 10.4inch LCD touch panel Automatic Tissue Optimization Tissue doppler Coded Harmonic Imaging Coded Excitation (CE) HD-Flow XTD SRI III (Speckle reduction Imaging) CrossXBeamCRI (Compound Resolution Imaging) Focus&Frequency composite (FFC) High resolution Zoom Pan Zoom

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