

GE VIVID I

ABOUT

The GE Vivid I is a portable, high-performance cardiovascular ultrasound system designed for comprehensive cardiac imaging. Combining advanced imaging capabilities with portability, it enables accurate diagnostics in a variety of clinical settings.

FEATURES

High-Resolution Imaging: Offers exceptional image quality with advanced ultrasound technology

Portability: Lightweight and compact design

Advanced Cardiac Applications: Includes a range of cardiac imaging applications

User-Friendly Interface: Features an intuitive user interface with customizable settings and quick access to frequently used functions



SPECIFICATIONS

DIMENSIONS

Height: 2.3 in (5.8 cm)

Width: 14 in (35.5 cm)

Depth: 13 in (33.0 cm)

Weight: 11 lb (5 kg)

Screen Size: 15 in (38.1 cm)

Screen Resolution: 1600x1200

ELECTRICAL POWER

Battery or mains-line operation

Input rating (AC Adapter): 100-240 V AC /130 VA

Frequency: 50/60 Hz

INPUTS AND OUTPUTS

Video out: SVGA

Connectors:

- USB-2 (to support CD-RW, video printers, MOD, USB flash-cards, etc.)
- LAN Ethernet
- USB wireless LAN device
- DC power input

SAFETY CONFORMANCE

Built to meet the requirements of:

- EN/IEC/UL 60601-1 /CSA 22.1 601-1, Class I, Type B with BF or CF Applied Parts
- EN/IEC60601-1-1
- EN/IEC 60601-1-2, Class A
- EN/IEC 60601-2-37
- NEMA UD-2, UD-3
- The European Medical Devices Directive (MDD)
- 93/42/EEC (CE Mark)

DICOM NETWORK CONNECTIVITY

Provides communication to a DICOM server and DICOM printer. Includes:

- Ethernet network connection
- Verification AE
- Image Export AE (Network storage)
- Modality Worklist AE
- Storage to DICOM server DICOM structured report SCU for cardiac and vascular
- Storage commitment
- Performed procedure step
- Verify: provides verification of an active connection
 - between the scanner and another DICOM device
- Support of two patient ID fields in DICOM
- Allows printing images via a DICOM Printer
- DICOM media: read/write images on DICOM format

MODES OF OPERATION

2d-mode

M-mode

Anatomical M-mode

Color Doppler

Color Angio

Color M-mode

Spectral Doppler

Blood Flow Imaging (BFI)

Tissue Velocity Imaging / Tissue Tracking

Automated Ejection-Fraction Calc

WIDEBAND PROBES

Phased Array Sector Probes:

- 3S-RS - 1.5 – 3.6 MHz
- 5S-RS - 2.0 – 5.0 MHz
- 6S-RS - 2.7 – 8.0 MHz
- 7S-RS - 3.5 – 8.0 MHz
- 10S-RS - 4.5–11.5 MHz

Linear Array Probes:

- 8L-RS - 4.0 –13.0 MHz
- 9L-RS- 3.5 –10.0 MHz
- 12L-RS - 6.0 –13.0 MHz

Convex Array (Curved) Probes:

- 4C-RS - 1.8 – 6.0 MHz
- 8C-RS - 4.7 –11.0 MHz

Convex Array Transvaginal Probe:

- e8C-RS - 4.0 –11.0 MHz

Intra-operative Probes:

- i12L-RS - 5.0 – 13.0 MHz

Doppler Pencil Probes:

- 2D(P2D)-RS - 2.0 MHz
- 6D(P6D)-RS - 6.0 MHz

Multiplane Transesophageal Phased Array Probes

- 6Tc-RS 2.9 – 8.0 MHz
- 9T-RS 4.0 – 10.0 MHz

Intra-Cardiac Echo (ICE) Catheters:

- ACUSON AcuNav™10F - 4.5 – 11.5 MHz
- ACUSON AcuNav™8F - 4.5 – 11.5 MHz
- SoundStar™ 3D Ultrasound Catheter - 4.5 – 11.5 MHz

SUPPORTED APPLICATIONS

Adults Cardiac
Pediatrics Cardiac
Vascular
Pediatric General
Neonatal Cephalic
Transcranial (adult cephalic)
Fetal heart
Abdomen
Gynecological
Obstetrical
Musculoskeletal including Superficial
Small Parts
Breast
Nerve Imaging
Coronary
Intraoperative
Intracardiac and Intraluminal
Echocardiography (ICE)