

GE Healthcare



Vivid *i* Cardiovascular Ultrasound System



## **The new generation of cardiovascular ultrasound has arrived.**

Introducing the new Vivid *i*, an innovative cardiovascular ultrasound system from GE Healthcare that could defy everything you ever thought about mobile ultrasound systems.

The incredible Vivid *i* system establishes a completely new level of cardiovascular performance that gives clinicians the freedom to get diagnostic results outside of the echo lab.

Robust diagnostic exams can now be performed at the patient's bedside, satellite clinics or mobile imaging sites, and the OR – wherever they are needed to give clinicians access to complete real-time diagnostic information.

- Full diagnostic and monitoring capabilities
- Advanced measurement and analysis tools
- New information management tools

# incredible



### **At the leading edge of healthcare**

GE Healthcare is evolving. A pioneer in diagnostic imaging and information technologies, we are now at the forefront of molecular and genetic medicine as well. These capabilities will help shape a new age of healthcare in which disease is detected earlier, diagnosed more precisely, and treated less invasively.

Ultrasound will be at the heart of this transformation. And so will you.

# image qual

## Small system, big performance.

The Vivid *i* delivers the superb raw data image quality you require for cardiac and vascular scanning, allowing you to see the diagnostic information you need to effectively assess LV function and cardiac performance.

- Phased-array transducer technology for 2D, color and Doppler imaging.
- Multiple focal zones help optimize image quality.
- Extremely high frame rates, enhanced color flow and color angio assist in acquiring extremely low-velocity flows.
- 5 levels of Coded Octave Harmonics help you obtain quality images from difficult-to-image patients.
- LVO contrast option, based on 2D Harmonic imaging with Coded Phase Inversion, aids in scanning your most challenging patients.
- Triplex and duplex display capabilities to simplify Doppler acquisitions.
- Automatic Tissue Optimization (ATO) option helps you obtain quality images faster by automatically adjusting the image settings to optimize images.



The powerful Vivid technology platform has been condensed into an ultra-portable, uncompromising system that rivals the performance of full-sized systems weighing 30 times more.

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# innovation

## Quantitative tools, measurable assurance.

Advanced quantitative imaging tools increase diagnostic confidence and facilitate faster interpretations by enhancing image quality – even for difficult-to-image patients.

- Complete measurement and analysis worksheets and reports are tailored to each exam.
- Live Anatomical M-Mode corrects for off-axis orientation in situations where the heart is not positioned or shaped normally.
- Tissue Doppler Imaging provides real-time Doppler spectral information for specified myocardial motion, allowing for instantaneous tissue velocity measurements.
- Over 40 gigabyte disk space for archive storage of patient images, loop and information.

**At the core of the Vivid family of cardiovascular ultrasound systems is GE's legendary TruScan imaging platform.**

GE's TruScan imaging platform allows the ultrasound data to be digitally acquired and stored in a raw format to preserve the integrity of the data. The images can then be viewed, measured, optimized and analyzed from the system or EchoPAC Dimension workstation at any time, without losing any of the original image quality.

# information

## **The information you need, where and when you need it.**

The easy-to-use Vivid *i* significantly increases clinical productivity with time-saving features, such as an integrated EchoPAC with image data review, analysis, patient archive and reporting capabilities. A wide range of innovative connectivity options, via LAN or wireless networking, facilitate efficient data management and improve productivity.

- Full DICOM connectivity with embedded raw data speeds exams by allowing you to perform post-exam quantitative analyses at your convenience on the integrated EchoPAC or optional EchoPAC Dimension workstation.
- MPEGvue option compresses images into compact file sizes. These high quality images can be transferred to any compatible media or network, or e-mailed directly for viewing.
- eVue option permits remote interactive monitoring of images on any PC, via wired or wireless network communication, for fast and convenient consultations.
- Virtual Printer option can save printed images acquired during the examination on the system in a special queue to be printed at the user's convenience.

The ultra-small size of the Vivid *i* makes it ideal for fitting into crowded operating theaters.



# ingenious

## Pick it up and go.

The Vivid *i* makes it incredibly easy and cost-effective for you to bring leadership technology to a wide range of applications, such as cardiac, vascular, pediatrics and transesophageal.

- Lightweight, 5 kg package makes system transport fast and easy – simply strap on your back or carry to your patients.
- Ultra-small footprint reduces operational costs by eliminating the need for special rooms, lifts or vans.
- Rechargeable battery provides up to 1.0 hour of full scan operation.





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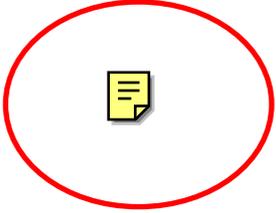
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imagination at work