

GE Healthcare

Vivid iq Premium**

Vivid iq 4D**

The power to take you places.



Portable. Powerful. In touch.

Vivid™ *iq** delivers a combination of portability and power that fits right in with your needs – wherever your journey takes you.¹

It's the next step forward from the partner who defined the high-end compact category ... and continues to innovate to help you adapt to changing challenges.

Where will Vivid *iq* take you?



Echo Lab

Visualization

Advanced. Accessible. Adaptable.

Wherever you and your patients need it,¹ Vivid *iq* delivers premium image quality for cardiac care, including deformation imaging tools, like TVI, Strain, 4D TEE and ICE,² and shared services.

TTE

You don't have to sacrifice exceptional image quality for the convenience of a compact system.

Virtual Apex - Phased array probes provide a 120° sector for a wide field of view for enhanced visualization of structures at the sides of the sector.

TEE

When Time is Critical

Vivid *iq* makes TEE's crucial information into heart function accessible without compromising productivity.

- **2D TEE**
- **4D TEE**
- **MDI Multidimensional Imaging with Bi/Tri-plane³ (with 6VT-D probe)**
 - First introduced by GE Healthcare – saves you time by imaging three planes from the same heartbeat, with high temporal and spatial resolution.

Quantification

Exploration Made Easy

Quantification with Vivid *iq* is all about helping you evaluate problems and pursue the path forward. Take advantage of a full suite of simple, intuitive tools to make your work easy and efficient such as AutoEF, Anatomical M-Mode and IMT.

Workflow

In Touch with Your Day

Tap into the smooth user experience you expect from Vivid ultrasound, enhanced to make your work easier with automated functions as well as touchscreen features similar to those you're accustomed to on your own smart devices.

Touch Interface

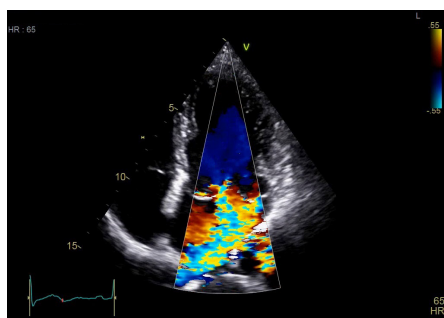
- Improved keystrokes compared to the Vivid *q*
- Tablet-like gestures – tap, pinch, zoom
- Intuitive keyboard

TTE

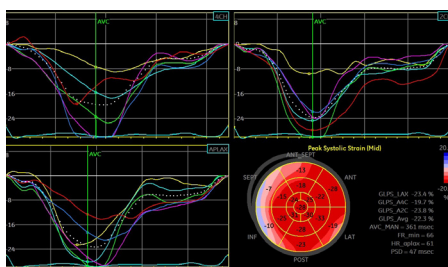
Convenient applications make fundamental exams fast and easy, such as Auto Gain and Smart Stress.

TEE

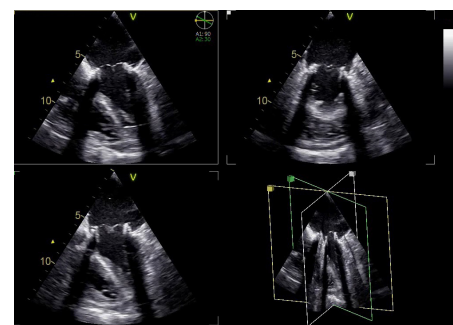
Save time while gaining crucial heart-function insights with an array of efficient 4D tools,⁵ such as FlexiSlice, FlexiZoom and 2-Click Crop.



Color Flow –Excellent color sensitivity, contrast resolution and spectral crispness.



Automated Function Imaging (AFI)⁴ – Assesses and quantifies left ventricle longitudinal wall contraction (both segmental and global) using speckle tracking technology.



Triplane – Lets you image three planes from the same heartbeat, with high temporal and spatial resolution.

Interventional

Visualization

Advanced. Accessible. Adaptable.

Positive interventional outcomes begin with detailed imaging. With Vivid *iq*, accurate and actionable information about your patient's anatomy and function are always close at hand.

TEE

Vivid *iq* makes 2D and 4D TEE's⁵ crucial information into heart function accessible without compromising productivity.

- **MDI Multidimensional Imaging with Bi/Tri-plane³ (with 6VT-D probe)**

- Bi-plane scanning: Two independent simultaneous scan planes where one of them can be rotated and tilted freely.
- Tri-plane: Three independent simultaneous scan planes that can be rotated freely.

- **Intra Cardiac Echo (ICE)²** – Vivid *iq* combines exceptional image detail with ICE technology, strengthening real-time monitoring and guidance during procedures.

Quantification

Exploration Made Easy

4D Auto AVQ^{4,5} – Automatically segments, aligns and quantifies the aortic outflow tract – vital to the device sizing and orientation that are crucial in TAVI/TAVR procedures.

4D Auto LVQ^{4,5} – GE's EF and Volume tool adapted to work with the full-volume data sets acquired with the 4D TEE transducer. Place points in just two clicks to define the initial endocardial border. Use the simple editing tool if required, and access 3D ejection fraction and volumes in an instant.

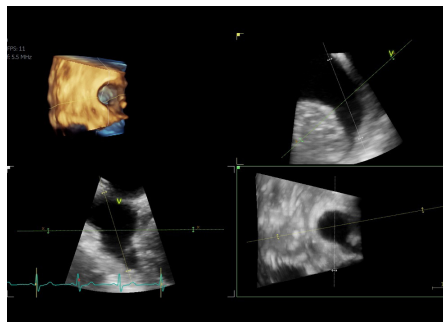
Workflow

In Touch with Your Day

TEE

Save time while gaining crucial heart-function information with an array of efficient tools.

- **FlexiSlice⁵** – Extracting 2D slices from 4D volumes can be a complicated process. FlexiSlice is an intuitive, interactive tool for obtaining many 2D or rendered views in either live or replay mode.
- **FlexiZoom⁵** – Flexible, quick and easy visualization of the structures of interest. Provides quick, live access to main heart structures, with no need for further volume cropping or rotation.
- **2-Click Crop⁵** – Serves up standard or non-standard views during live scanning or replay. Lets you crop quickly from the inside out, starting with two extracted scan planes.



FlexiSlice⁵ – Extracting 2D slices from 4D volumes.

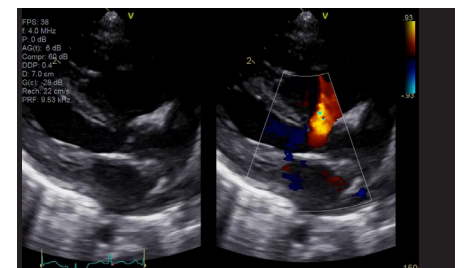
Shared Services

Shared services pose a wide variety of patient challenges. Manage them all with the help of definitive diagnostic insights via Vivid *iq*, in areas including vascular, abdominal, OB/GYN and small-parts applications.

- **Virtual Convex** – Extends the field of view when using linear transducers.
- **B-Flow** – Provides advanced spatial and temporal resolution to help assess blood flow and vessel wall structure without the limitations of Doppler.
- **Blood Flow Imaging** – Provides enhanced visualization of blood flow dynamics using a signal-processing algorithm for visualizing blood flow data.
- **LOGIQ View** – Increases the field of view to image large organs that typically can't be seen in a single image.

Pediatrics

Small structures and fast heartbeats present unique challenges to imaging. Vivid *iq* helps you make quick, confident diagnoses for a wide range of pediatric and neonatal patients and their families. Vivid *iq* offers pediatric TTE as well as pediatric 2D TEE imaging.



Color Flow – Excellent color sensitivity, contrast resolution and spectral crispness.

Design

As Agile As You Need to Be

Vivid *iq* is a compact, yet powerful cardiovascular ultrasound. Carry it under your arm or on your cart⁴ with a multi-connector⁴ for probes to wherever you need it ... from the echo lab to the OR ... from the hospital to a rural location.¹

Console

- Lightweight – 10% lighter and 10% thinner than the Vivid *q*
- Closed design – allows cleaning with disinfectant solutions (refer to the user manual)
- Portable – up to 1-hour battery (with full charge) – Smart Standby

Cart⁴

The newly designed cart was created to protect the console during transportation. The cart also allows for a much better viewing angle with the increased height adjustments for scanning while standing or sitting.

- Battery pack⁴ (up to 3 hours with full charge)
- 4-probe port⁴

Probes

- 16 + (5) ICE²
- Compatible
- Broad selection





About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

Imagination at work

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¹The device has been verified for limited use outside of professional healthcare facilities and has not been evaluated for use during transport. Use is restricted to environmental properties described in the user manual; please contact your GE Healthcare sales representative for detailed information.

²ICE catheter availability varies by country. Please contact Biosense Webster® directly.

³Standard for 4D configuration. Option for Premium configuration.

⁴Optional.

⁵4D configuration.

* Vivid iq is not available in all countries.

**The Vivid iq Premium and the Vivid iq 4D are configurations of the Vivid iq ultrasound system.

Please note that some of the probes, options or features described may NOT be available for sale in all countries. Please contact your local sales representative for more information.

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