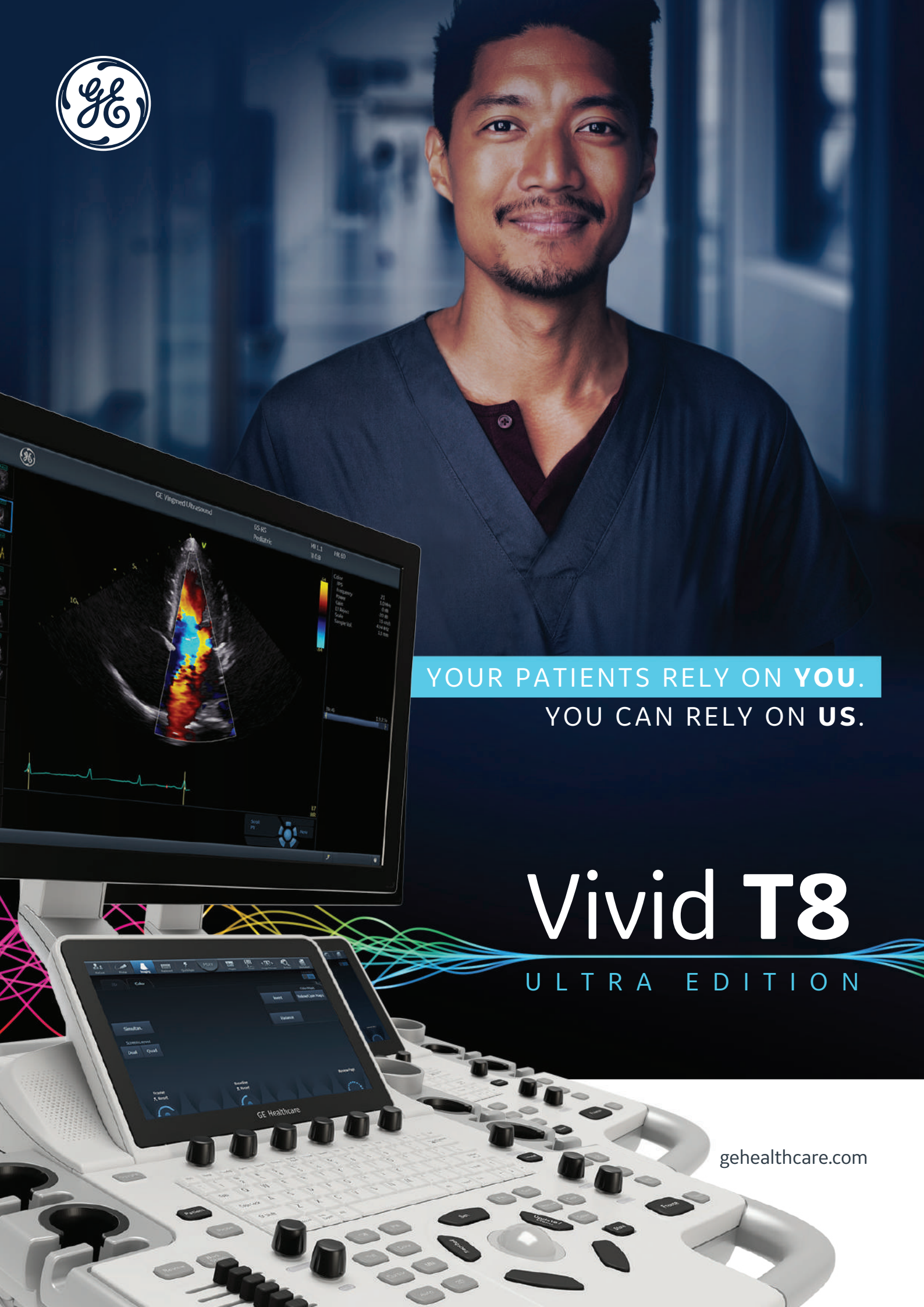

YOUR PATIENTS RELY ON YOU.
YOU CAN RELY ON US.
Vivid T8
ULTRA EDITION
gehealthcare.com

TODAY'S CHALLENGES

Increasing demand, coupled with limited cardiology staff, results in additional workload challenges for the entire medical community.

17 MILLION
people died from CVDs in 2019[1]

1 in 4
cardiologists state they are burned out[2]

>10%
increase in Ischemic Heart Disease (IHD) alone by 2030[3]

~20%
of sonographers are leaving the profession or taking premature retirement[4]

~108 MILLION
annual echo exams performed globally[5]

x2
Shortage of health workers is **set to double**[6]

YOUR PATIENTS RELY ON **YOU**.

YOU CAN RELY ON **US**.

Patient care isn't just a job for you. It's a calling. A mission.

Of late, that mission has changed. Increased workloads, fewer skilled staff and increased demands on your time, resources and expertise are now the norm.

Getting the right images under this pressure is challenging.

But this isn't just a job for you and you have no intention of sacrificing quality in your practice when so much is at stake.

The Vivid T8 cardiovascular ultrasound has been designed to meet today's challenges. To allow more quality time with patients, increase diagnostic confidence and reduce inter-operator variability - all at a price point accessible for private practices.

Because your patients rely on you, you can rely on us.

PIONEERING INNOVATION

YOUR EXPERTISE. OUR INNOVATIONS.

Building on a history of advancements of cardiac patient care, GE has been a true pioneer introducing breakthrough technologies, such as Color Doppler systems (1986) and 2D and AFI Speckle Tracking (2005).

Discover the latest leading innovative technologies that continue to push the technical capabilities of the Vivid Ultra Edition* system for the benefit of you and your patient.

2014

- AutoEF, AFI
- Scan Assist Pro
- Shared services imaging applications

2017

- Pediatric TEE probe
- Smart Standby mode
- 21.5" LCD monitor
- L8-18i-RS probe

2018

- Advanced ergonomics, premium applications and probes
- Cardiac Auto Doppler
- AFI 2.0 & AutoEF 2.0
- Windows 10

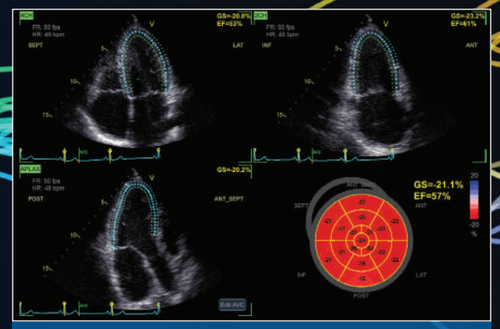
2020

- AI Auto Measure (2D & Spectrum Recognition)
- Automatic View Recognition with AFI 3.0 & AutoEF 3.0
- AFI RV
- AFI LA
- eDelivery

2021

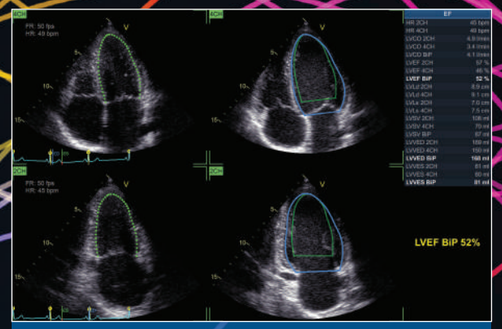
- AutoEF with optional ECG

LATEST INNOVATIONS



Strain measurements in just 15 seconds (on average) - with **Easy AFI LV.**

In 15 seconds
(on average)[7]



Ejection Fraction and Automatic Region of Interest definition with only 1 click – with **Easy AutoEF**[8].

Only 1 Click

VIVID T8 ULTRA EDITION

Designed for your busy practice.

Vivid T8 Ultra Edition* provides reliable and ergonomic design, powered with AI applications for extreme productivity without compromising quality of care.

EXTENDED WARRANTY[9]

MODERN ERGONOMICS

Solid design for your demanding pratice

- Designed for challenging conditions
- Privacy & security
- Windows 10
- Extended warranty for long-term peace of mind

Modern ergonomics for your well-being

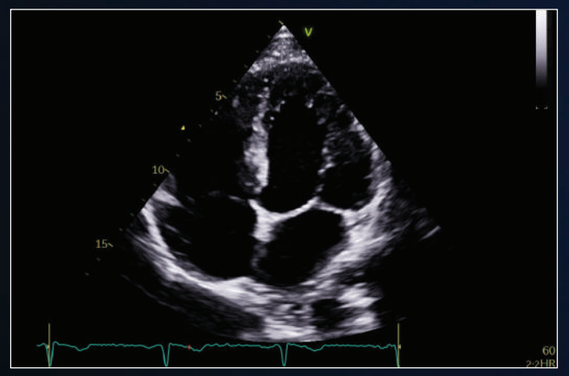
- Only 60 kg/132 lbs
- Ergonomic, easy to push handle
- 21,5" screen
- 10.1" resolution touch panel)
- Alphanumeric keyboard
- Articulating monitor arm (optional)
- Single-hand push

10-15% of echo exams result in sub-optimal images[10]

YOUR VISION. OUR SUPERB IMAGES.

The diagnoses and treatments plans plan for your patients require a clear picture of their condition. With so much riding on the image, it has to be the best possible quality.

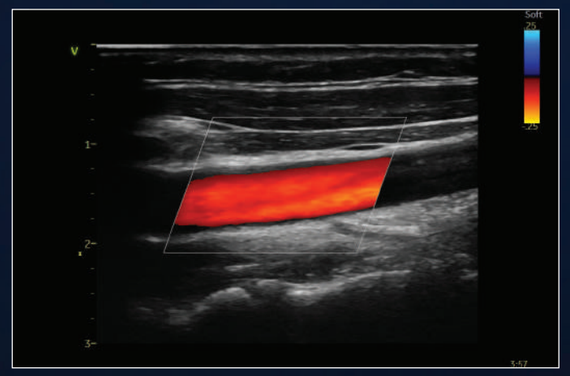
LATEST INNOVATIONS



Penetration QuickApp

Helps improve visibility

Optimize penetration in technically difficult studies with one click.



9L-RS Vascular Probe

Beautifully clear vascular imaging

Develop fast and complete quantitative assessment of vascular anatomies.

Benefit from a wide range of clinical applications and image quality improvements for your cardiovascular practice.

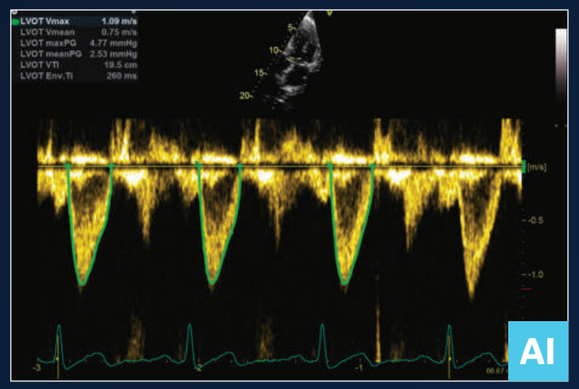
YOUR TIME. OUR WORKFLOW TOOLS.

Vivid T8 Ultra Edition introduces the latest AI-based technology to help reduce tedious tasks and improve workflow efficiency.

AI Auto Measure 2D

With the power of AI, a full set of reproducible measurements will instantly appear on the screen.

80%
Less clicks[11]



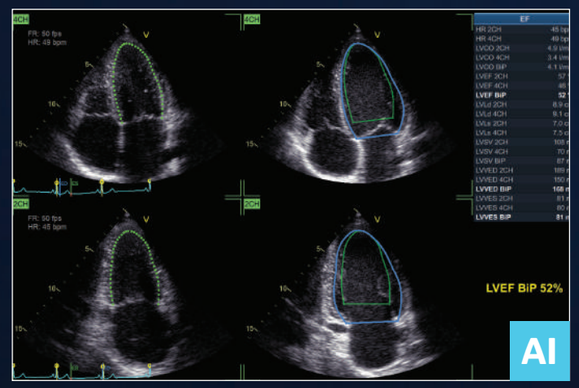
Cardiac Auto Doppler with AI Auto Measure Spectrum Recognition

With the power of AI, a wide range of Doppler measurements can be completed with 2 clicks: Freeze – Measure. A Doppler trace and full set of associated measurements will instantly appear on the screen.

Up to 93% fewer keystrokes[12]

35% of cardiac sonographers miss work due to pain[13]

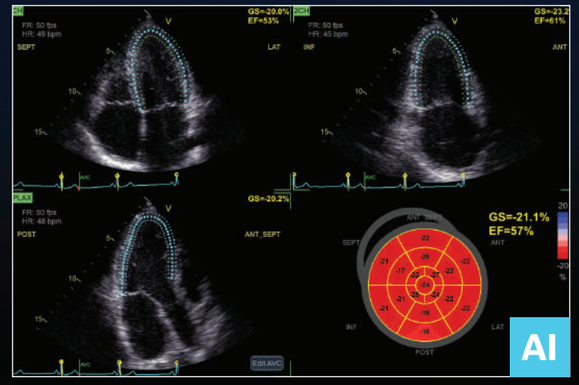
LATEST INNOVATIONS



Easy AutoEF (without ECG)

Our AI-based Auto ROI detection algorithm allows users to complete ejection fraction, with no manual interaction apart from initiating the tool and approving the results. 2 Chamber or 4 Chamber Ejection Fraction available with or without ECG.

EF results in just 1 click



Easy AFI LV with view recognition

Our AI-based global and segmental strain measurements require no manual interaction apart from initiating the tool and approving the results. Additionally, you will be able to view EF measurements.

EF and strain results in 15 seconds (on average)

"The Vivid AI-based measurements and view recognition help me complete my exams faster, without compromising quality of care.

The quality of my echo exams is the most important thing but time saving is also critical in our tight schedule. Saving a few minutes from each exam, the patients in our waiting room wouldn't need to get antsy about waiting too long. And I would have time for a cup of coffee between exams!"

– Olidia Perez
Sonographer
Essen Medical, NYC, USA

ECHOPAC

YOUR FLEET. OUR SOLUTION.

Patient care doesn't end when the exam is over. Upgrade to EchoPAC™ to optimize your patient time and your post-processing time.

FAST WORKFLOW

- Fully integrated workflow with the EchoPAC Plug-in, DICOM® SR transfers to reporting systems, accelerated data transfers in clinical and research operations
- Featuring Open4D to assess & quantify 3D volumes from multivendor equipment fleets

For 3 dimensional system vendor agnostics analysis

Open 4D Multivendor

STATE-OF-THE-ART ACCURACY

Full access to all Vivid scanner tools:

- From the most used AI-Powered ones on routine measurements: Easy AFI LV, Easy AutoEF and Auto Doppler Spectrum Recognition
- To the most advanced ones: Myocardial Work is a unique tool using less load dependent parameters than strain alone

COMFORTABLE EXPERIENCE

- Familiar Vivid user interface, faster staff ramp-up
- Analyzing and reporting from the ergonomic comfort of a workstation
- More focus on patient at acquisition

Interested in Myocardial Work?
Learn more on the publicly available Webinar on the Vivid Club website

Maximize your entire fleet return on investment

- Transcend your machine performance: regardless of vendor, regardless of machine age, get all the latest Vivid tools
- Save time: get EchoPAC to free-up scanner time and perform your daily analysis off-line including LV quantifications doppler and function assessment

EchoPAC exists as **EchoPAC Software Only** and **EchoPAC Plug-in**

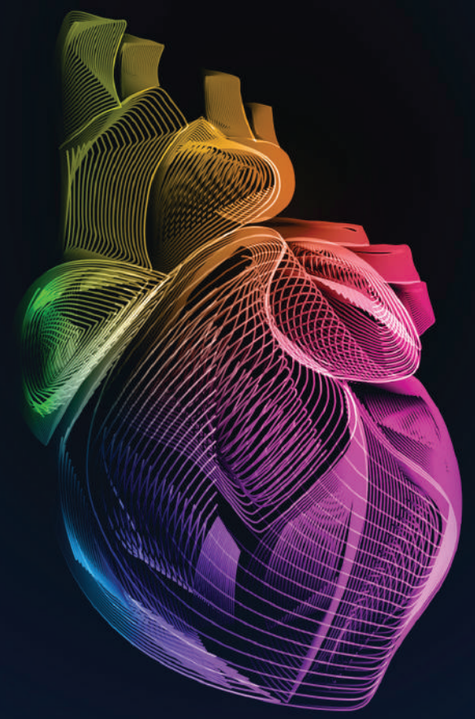
EchoPAC Plug-in is available for:

- GE Healthcare Centricity™ Cardio Enterprise with Intelligent Reporting (IR)
- GE Healthcare ViewPoint™ 6 with EchoPAC Suite[14]
- As a Plug-in to third party PACS.

"I am amazed by the measurements you can perform on EchoPAC after the patient has left!"

– Dr. Lamin E.S. Jaiteh
Consultant Cardiologist & Lecturer in Cardiology
Department of Internal Medicine
Edward Francis Small Teaching Hospital/School of Medicine & Allied Health Sciences, University of the Gambia

VIVID CLINICAL APPLICATIONS



YOUR SKILLS. OUR SUPPORT.

In the core echo lab and even beyond cardiology, smart applications support your know-how.
The Ultra Edition applications highlighted **in bold are referent to our latest release.**

VISUALIZATION AND NAVIGATION

	Ultra Edition
Curved Anatomical M-Mode	**Pre-Post Compare**
Smart Stress	Scan Coach
LVO Contrast	
Blood Flow Imaging	

FLOW QUANTIFICATION

	Ultra Edition
Cardiac Auto Doppler AI	**AI Auto Measure Spectrum Recognition** AI

CHAMBER QUANTIFICATION

	Ultra Edition
Z-Scores	**Easy AutoEF** AI
	AI Auto Measure 2D AI

AFI FUNCTIONAL IMAGING

	Ultra Edition
	Easy AFI LV AI

VIVID ONLINE

YOUR COMMUNITY. OUR COLLABORATION.

Vivid is much more than just a system. Make the most of your Vivid experience with our community resources and learning opportunities.

www.gehealthcare.com

On our website you will find content available to the general public with top industry Key Opinion Leaders, Learning Academy on Strain including Whitepapers and Case Studies.

Vivid Talks
Our "Meet the Expert" sessions (Vivid Talks) on wide-ranging subjects from EchoLab to interventional.

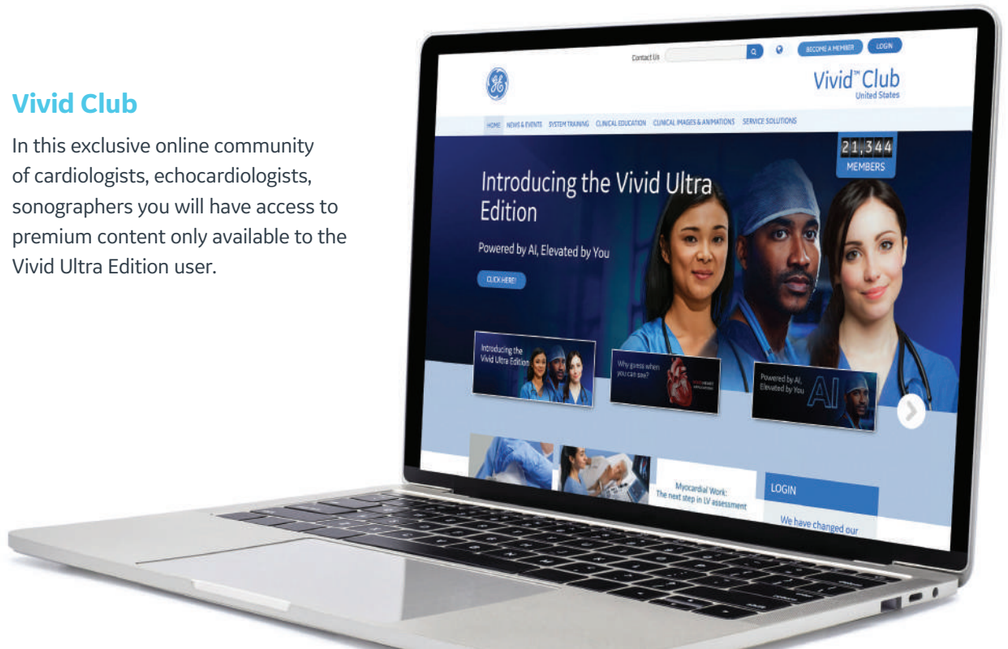
Strain Learning Academy
Our Learning Academy is dedicated to supporting the industry in advancing strain measurement adoption.

60%
of all strain measurement clinical research publications has been done on a GE device[15].

Whitepapers & Case Studies
The latest Whitepapers and Case Studies presented by the field experts.

Vivid Club

In this exclusive online community of cardiologists, echocardiologists, sonographers you will have access to premium content only available to the Vivid Ultra Edition user.



OUTPERFORM TODAY. PREPARE FOR TOMORROW.

Maximize the Vivid lifecycle experience while minimizing your total cost of ownership.

Performance

Powered by Edison™ Health Services[16]

Education

>60k visits/year on Vivid Club platforms[17]

Maintenance

Up to 90% cost reduction, based on OnWatch alerts[18]

Updates

Available **100% remotely**, immediately and with state of the art cybersecurity[19]

Probe Care & Hygiene

70 probe experts at your service

"The implementation of Imaging Insights/Ultrasound Excellence in my biomedical unit for the cardiology and gynecology departments ultrasound equipment has opened the door to better utilization of my systems and distribution of activity, all of which has allowed me to improve our operational efficiencies, cost investment and service to patients."

– Mrs Valérie Boissart
Head of Biomedical Engineering Department
Luxembourg Hospital Center

DIGITAL EXPERT/STAR**

Digital Expert (and STAR) provide an interactive, real-time, flexible & convenient way to get education and support.[20]

Live exchange with peers

SONODEFENSE

SonoDefense is GE Healthcare's six-layer strategic approach to cybersecurity and patient data privacy for ultrasound.

Advanced cybersecurity & data privacy protection

AUTOMATED, REMOTE SW DOWNLOADS

Get automated software updates along with safety patches enabled by remote software download. Your system stays up-to-date, making it more reliable.

Updates 24/7[19]

IMAGING INSIGHTS

Imaging Insights is an Edison™ application that combines analytics and coaching to help ultrasound management teams to optimize clinical and operational performance.

Operational Performance

About GE Healthcare:

GE Healthcare is the $18 billion healthcare business of GE (NYSE: GE). As a leading global medical technology and digital solutions innovator, GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience and around 50,000 employees globally, the company operates at the center of an ecosystem working toward precision health, digitizing healthcare, helping drive productivity and improve outcomes for patients, providers, health systems and researchers around the world.

Follow us on Facebook, LinkedIn, Twitter, and Insights for the latest news, or visit our website www.gehealthcare.com for more information.

References:

* Ultra Edition is not a product name, it refers to the 2022 release of the Vivid portfolio

** Only available in the US

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8. Easy AutoEF is restricted for use with adult TTE on GE Healthcare raw B-mode data loops of the LV. Easy AutoEF does not support left ventricles with septal bulge
9. Please contact your sales representative for more information
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17. GE internal data - Website analytics from January 2021 to December 2021
18. GE internal data
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20. Digital Expert is only offered in the USA. Digital Expert is not a functionality provided by Vivid systems. Digital Expert is separate from Vivid systems and is for education and training purposed only

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