As a result, now you can empower your care team with the expanded advantages and artificial intelligence of the Vivid® E95 cardiovascular ultrasound system. Diagnose more confidently with the help of enhanced 2D and color image quality. Accelerate exams via extended automatic Doppler measurements for TEE and TTE. Gain reproducible results with advanced capabilities for quantifying heart function and ejection fraction. All so you can make every moment count with patients – seeing problems clearly and quickly, performing procedures with great precision – and providing Patient Care. Elevated.

 Quantification
 Define the care path
 Quantification with Vivid E95 is all about helping providers evaluate problems and pursue the path forward. Count on a full suite of intuitive tools to make your work easy and efficient. Quickly, accurately and thoroughly quantify left and right ventricular wall motion and other key functions.

 Workflow
 Streamline your exams
 Vivid E95 with cSound performance makes 4D imaging as easy as 2D with efficient and intuitive tools. The high-quality raw data as well as the DICOM format adapts to your preferences in terms of resolution and gray scale. You can move smoothly through your work, thanks to automated tools that minimize user interaction and provide quick access to stored settings.

 The QuickApps tool provides flexibility and easy workflow by providing instant access to settings that were stored earlier to match your color flow or contrast parameters, keeping the geometry of the current live image.

 Myocardial Work™ – Using new and reduced load dependent parameters, Myocardial Work may provide more accurate and reproducible results, important especially for follow up of patients over time. The new parameters are based upon the results obtained with AFI (longitudinal strain) by accounting for the systolic blood pressure measured at rest immediately prior to the echo exam, as well as the MV and AV opening and closure times.

 Automated Function Imaging (AFI) 2.0 – AFI 2.0 with the help of the artificial intelligence-based View Recognition feature will provide automated quantification of left ventricular segmental and global longitudinal strain as well as several other related parameters, including ejection fraction.

 4D Auto RVQ – This package helps visualize and quantify the right ventricle in TTE images via a semi-automatic, surface-detecting algorithm. It’s seamlessly integrated into the regular M&A menu, with results ready for immediate review.

 4D Auto LAQ – This semi-automatic surface detecting algorithm helps clinical users get fast, reproducible and accurate 4D quantification of the left atrium, acquired with 4D TTE probes. It provides left atrial volumes as well as ejection fraction, global longitudinal and circumferential strain.

 4D Views – With one touch, view different options such as 4-chamber, 2-chamber, APLAX, mitral valve, septum, and aortic valve. After a rapid alignment, the app takes the full volume acquisition data set and automatically crops away the volume to instantly deliver the view you want.
Interventional

Visualization

Ultra-high single-beat volume rates
With TEE procedures growing, so is the need to find ways to achieve the benefits of 4D imaging without compromising productivity.

Vmax enabled by cSound™ 2.0 offers ultra-high 4D-volume rates acquired in single beat acquisition with no loss of image quality. Elimination of ECG gated multibeat/stitching acquisition provides enhanced overview of structures and function in cases with high and/or irregular heart rhythm – which potentially reduces interventional procedure time and improves patient outcomes.

Quantification

Exploration made easy
Quantification with Vivid E95 elevates providers’ ability to evaluate problems and pursue the path forward. Count on a full suite of intuitive tools to make your work easy and efficient.

Workflow

Facilitate complex procedures
You can move smoothly through your work, with tools that help to simplify workflow and reduce scanning time. Additional tools include 2-click crop, Biplane prepare and 4D views.

Shared Services

Visualization

Image a wide range of patients
Vivid E95 delivers superb performance in your shared services operation, including cardiac, stress echo, vascular, abdominal, OB/GYN and small-parts applications. With a growing obese population, XDclear™ probes combined with cSound beamformer technology can make a difference in many of your exams, helping you quickly and easily acquire images on many different patient types.

Vascular

The two linear probes, 9L-D and 11L-D, highlight True Confocal Imaging (TCI) – providing automatic focusing throughout the field of view, with superb signal-to-noise ratio and excellent spatial resolution both near and far. Together with Virtual Convex provides a wider far field visualization and arms to enhance image quality.

General Abdominal

The two curved array probes, C1-6-D and C2-9-D, support general imaging as well as abdominal, renal, urology and OB/GYN applications. Both probes have XDclear™ transducer architecture, which delivers the high spatial resolution and deep penetration required for uniform presentation of anatomic structures throughout the field of view. The endocavity transducer, iC5-9-D, is also available.
Ergonomics
A familiar, yet modern and efficient package
• Choice of a 22” high-quality, high-resolution, wide-screen OLED monitor or a 24” high-resolution, high-contrast LCD monitor
• 12” LCD touch screen
• Adjustable floating keyboard
• Convenient data management
• Easy mobility
• Low power consumption with efficient and low noise cooling
• Minimal muscular stress and strain for operator with one-probe solution (4D TTE)

ViewPoint™ 6 With EchoPAC™ Suite

Image and Measurement Transfer
• Raw data and all measurements (including customized) from Vivid Systems
• User selectable raw data file transfer in DICOM environment.
• User selectable transfer of systolic part of loop for stress echo, in DICOM environment
• DICOM™ and public DICOM SR from 3rd party
• Pediatric DICOM SR Support

EchoPAC Post-Processing
• Full access to GE raw data
• Access to all Vivid measurement tools
• Review, post-process, and measure using API, Wall Motion Scoring, etc.

Image Management
• Store and review cine loops and static images
• Measure
• Annotate
• Export
• Send to/Retrieve from Long Term Storage

Reporting
• Create clean, comprehensive, easy-to-read reports
• Complete reports faster with quick report templates
• Easily add images to report
• Option to customize reporting forms and printout
• Report templates for TTE (adult and pediatrics), TEE (adult and pediatrics), Stress, Vascular

IT Integration
• HIS Interface (HL7)
• Patient Data
• Orders
• EMR Interface (HL7)
• Report Text
• Formatted report (PDF)
• PACS Interface (DICOM)
• Export
• Long term Archive

GE Healthcare has a variety of service solutions delivering flexibility and value for your ultrasound equipment.

AssurePoint™ Services
We can help optimize equipment availability and improve productivity. Innovative remote and proactive technologies that assist with reducing unplanned downtime. We can help maintain clinical excellence and enhance patient care. Knowledgeable, timely support to help keep equipment operating at peak performance.

InSite™
Fast diagnosis and repairs. Remote access to system configuration and diagnostic tools. Allows GE specialists to diagnose, calibrate and repair systems remotely without user intervention. Personalized clinical expertise support direct to customers. Real-time remote support from clinical application domain experts.

iLinq™
Real-time answers to technical questions. Direct access to technical expertise right from the console in as little as four minutes.

iCenter™ Maintenance
Asset analytics at your fingertips. A secure internet application providing informatics for enhanced asset management decision making.

Accidental Probe Coverage
Coverage assurance for your probe accidents

QA Care
QA documentation support for ultrasound accreditation. GE Healthcare helps to provide a solution to the image quality and system performance documentation to help control the impact the accreditation process has on your staff and the patient imaging time. The Quality Assurance (QA) program covers the equipment performance and image quality system checks specified by the American College of Radiology and other accrediting bodies. These services can help expedite the accreditation process and help you maintain your accreditation.

1 EchoPAC Suite is a marketing name of EchoPAC Plug-in.
Security

Vivid E95 is built and configured for reliability and security.

LDAP – Help ensure patient data safety with Lightweight Directory Access Protocol, which allows your IT team to maintain greater control of who’s in the system, reducing the risk of breaches.

Configurable system password – There are fully configurable user log-on passwords and internal passwords that can meet your IT department’s requirements regarding security strength.

Disk encryption of the drive, which contains patient archive and images, helps ensure safety and privacy of the data, even in case of theft.

Windows® 10 Operating System with application whitelisting to prevent unauthorized programs from running and potentially harming the scanner.

Connectivity

Pediatric DICOM SR support – Pediatric measurements sent by SR automatically populate the pediatric report on the receiving side for fast, accurate review elsewhere.

Enhanced support for cardiac and vascular DICOM SR, including user defined measurements.

Tricefy® Uplink® – Expedite uploading of images and patient data to Tricefy Cloud – a long-term archive that enables image sharing with colleagues or patients.

Automated raw data transfer – The AI-based View Recognition feature simplifies use of raw data in a PACS environment.

*Optional
**Compared to scanning without Virtual Convex.
†Compared to v201
© 2018 General Electric Company - All rights reserved.
General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Healthcare representative for the most current information. Please visit www.gehealthcare.com/promotional-locations. This does not constitute a representation or warranty or documentation regarding the product or service featured.

The results expressed in this document may not be applicable to a particular site or installation and individual results may vary. This document and its contents are provided to you for informational purposes only and do not constitute a representation, warranty or performance guarantee from GE Healthcare.

GE, the GE Monogram, imagination at work, cSound, HDlive, Vivid, and XDclear are trademarks of General Electric Company or one of its subsidiaries. Biosense Webster is a trademark of Biosense Webster, Inc. ACUSON and AcuNav are trademarks of Siemens Healthcare GmbH.

DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information. Tricefy is a trademark of Trice Imaging, Inc. All third party trademarks are the property of their respective owners.