Vivid S70N
Patient Care. Elevated.

The Vivid™ S70N is a portable, robust cardiovascular ultrasound system with 4D capability designed to help you reach new heights of care efficiency and effectiveness.

Patient Care. Elevated.

Empowered. Expanded…Artificial Intelligence.

At GE Healthcare, we're committed to support the vital work you do with patients every day. Using the extraordinary processing power of our breakthrough software beamformer platform – cSound™ 3.0 – as a catalyst, we've developed an array of innovative algorithms and applications to help you keep elevating patient care.

As a result, now you can empower your care team with the expanded advantages and artificial intelligence of the Vivid™ S70N 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.

Adult Echo

Visualization

Crisp imaging. Deep views.
Experience the exceptional 2D image quality powered by GE's XDclear probe technology paired with cSound's advanced software image reconstruction and graphics. View detailed images of the heart by true confocal imaging, without the limitation of focal zones or sacrifice of frame rate and spatial resolution for assessment and diagnoses in the echo lab. Navigate smooth, continuous and detailed images with ease via new enhancements in color.

Adult Echo Color Doppler with the M5Sc probe – The M5Sc phased array cardiac probe merges matrix array with high-performing XDclear technology and provides ultra-wide bandwidth and superb image quality.

Quantification

Define the care path
Quantification with Vivid S70N 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 automatically[2] quantify key heart functions.
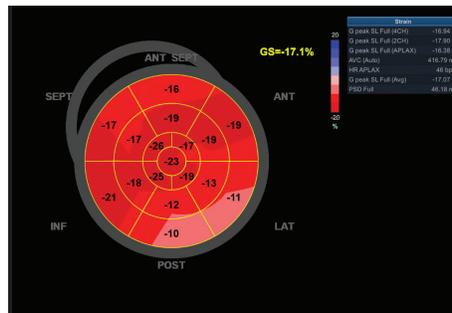
Automated Function Imaging (AFI)* 2.0 – This second-generation tool for assessing and quantifying left ventricular wall motion is applicable to 2D transthoracic and TEE data. With the integrated AutoEF function, you can calculate ejection fraction without leaving the app.


AutoEF 2.0* – This second-generation tool is based on a 2D speckle-tracking algorithm and Simpson's rule. It is applicable to 2D transthoracic and TEE data.

Workflow

Streamline your exams
Vivid S70N with cSound performance empowers your team with a variety of efficient tools. You'll find it easy to achieve consistent information across a wide variety of patients. Tools like the ability to quantify wall motion abnormalities can help you diagnose. You'll also appreciate the easy-to-use tablet-like experience of the Image Manager.
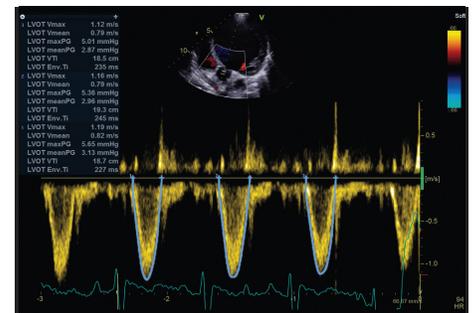
Cardiac Auto Doppler – This artificial intelligence-based tool provides Doppler measurements over all heart cycles for the most common parameters, supporting consistent results and potentially saving time in both adult and pediatric TTE and TEE studies.

Interventional

Visualization

Make your work easy and efficient
With TEE procedures growing, so is the need to find ways to achieve the benefits of 4D imaging without compromising productivity.
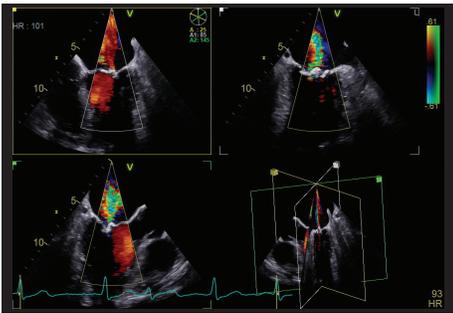
4D TEE – Support invasive procedures with quick, clear insights.

View-X* – See X-ray from fluoroscopy in real time right on your Vivid screen as a picture in picture, facilitating communication between team members.

Micro TEE – Micro TEE Multiplane Probe – Clearly visualize complex heart conditions in neonatal patients(down to 2.5 kg) and for adults with intolerance to standard TEE. The small tip size and excellent image quality allows for use during certain interventional procedures.
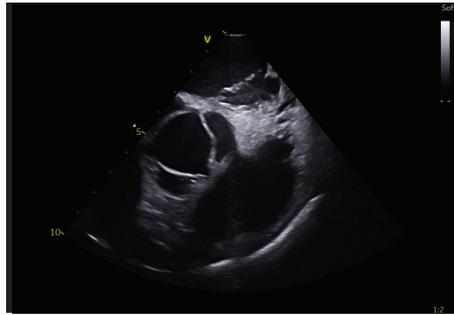

Intracardiac Echocardiography (ICE)* – Vivid S70N combines exceptional image detail with ICE technology using the ICECord-RS probe adaptor to connect to the catheter, strengthening real-time monitoring and guidance during procedures.

Quantification

Explore and evaluate with ease
Accurately and automatically quantify LV and other functions with a full suite of intuitive tools.
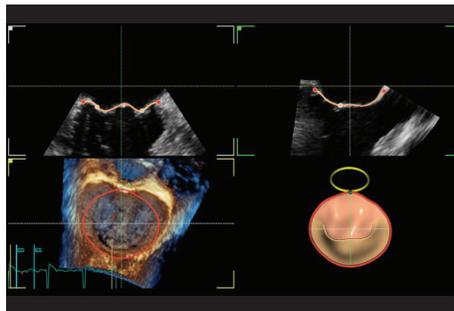
4D Auto MVQ* – Supporting TEE images, this integrated package helps visualize and quantify the mitral valve via a semi-automatic, surface-detecting algorithm.
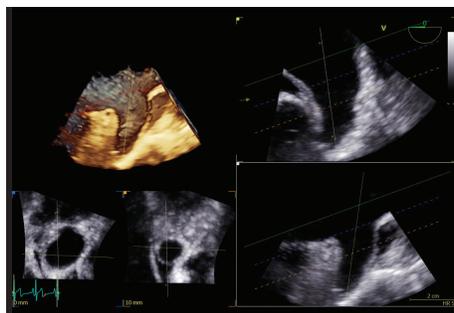
FlexiSlice* – With a distance gauge and two new viewing layouts, this updated interactive tool for obtaining 2D or render views in live or replay mode may provide enhanced insight as well as save time.†

Workflow

Facilitate complex procedures
You can move smoothly through your work, with tools that help to simplify and reduce scanning time.
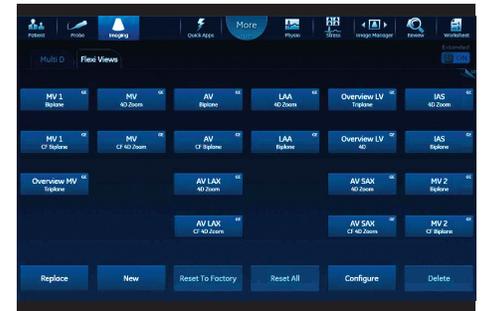
FlexiViews* – Gain quick access to predefined 4D/Multiplane views during live mode, potentially reducing scan time during complex interventional procedures.
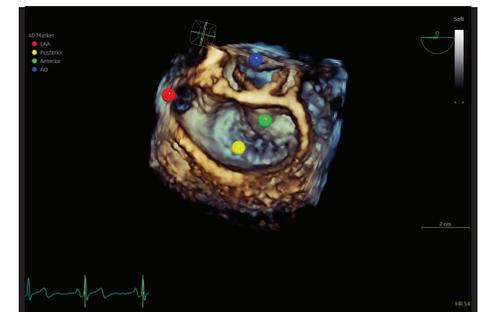
4D Markers* – Make annotations that are viewable from all angles on 4D ultrasound volume data sets and their 2D views, facilitating communication in the echo lab, cath lab and OR.

Shared Services

Image a wide range of patients
Vivid S70N delivers superb performance in your shared services operation, including cardiac, stress echo, vascular, abdominal, OB/GYN and small-parts applications.
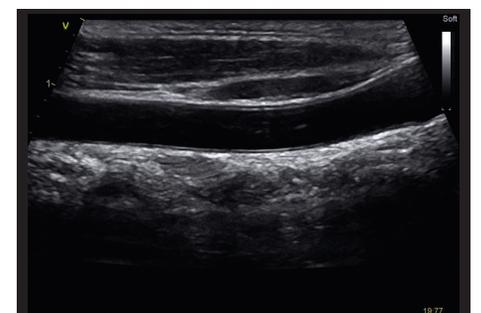
Virtual Convex** – This app provides a wider far field visualization and aims to enhance image quality on linear probes.

Security

Vivid S70N 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.

Enhanced DICOM review – Accelerate reviewing and reporting by using contrast, brightness and zoom/pan controls to optimize DICOM images.

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

Raw data transfer – User selectable raw data file transfer in DICOM® environment.