

GE Healthcare

# Vivid S60



Ultrasound. Elevated.

# Welcome to the Vivid™ S60 from GE Healthcare - a portable, robust 2D system that takes cardiovascular ultrasound to new heights by potentially helping reduce non-diagnostic exams.

## Put your department ahead of the technology curve

By combining the proven breadth and performance of the Vivid product line with the cSound™ powerful, software beamformer image reconstruction platform, the Vivid S60 takes ultrasound to a whole new level – delivering excellent image quality at an affordable price.

Conventional ultrasound systems too often yield non-diagnostic exams. Recognizing this, GE has developed a new imaging platform called cSound. In a conventional scanner, ultrasound beamforming is performed by special-purpose hardware – a hardware

beamformer. Conversely, cSound is truly a software beamformer. Data from every probe element/channel is acquired and temporarily stored in a “Local Big Data Memory” before being analyzed and processed by parallel processors similar to those found in many of today’s supercomputers.

The cSound software beamformer has given us a very high degree of parallel processing, similar to that of conventional hardware beamformer leadership scanners, in a small and portable system.

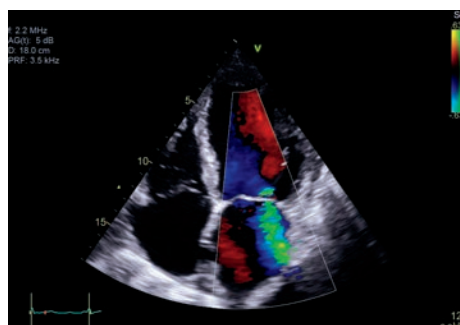
Among the many ways Vivid S60 with cSound performance elevates patient care:

- Excellent visualization quality in 2D, color flow, and Doppler
- Excellent spatial resolution and detail
- New capabilities including automated quantification of the LV

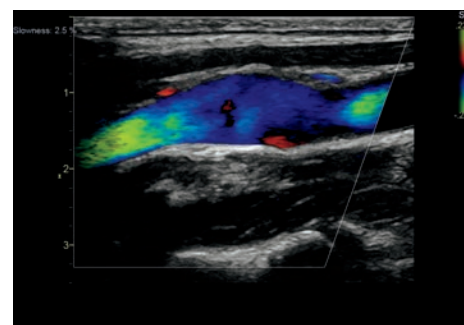
## Visualization

### Crisp imaging. Enhanced penetration.

Experience the exceptional 2D image quality powered by cSound’s advanced, software image reconstruction and graphics. Additionally, view detailed images of the heart for assessment and diagnoses in the echo lab.



**Adult Echo Color Doppler** - The 3Sc phased array cardiac probe combines acoustic amplifier technology and an advanced heat dissipation regime to provide ultra-wide bandwidth and high-end image quality.



**B-flow** is a digital imaging technique that provides real-time visualization of vascular hemodynamics using techniques to boost blood echoes.

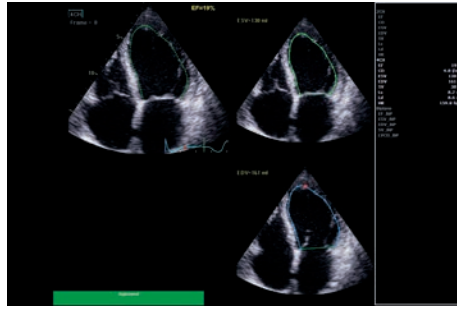


**Automated IQ Features** - Image quality can be optimized automatically throughout the exam with automated features that adapt image processing and visualization to the specific conditions of a particular patient.

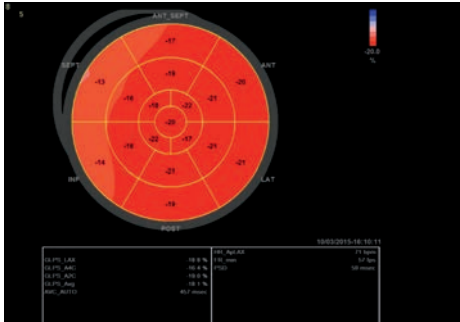
# Quantification

## Define treatments

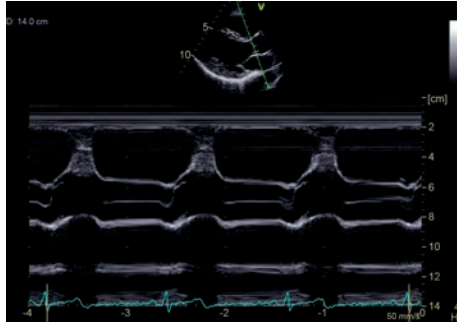
Quantification with Vivid S60 is all about helping providers evaluate and address cardiovascular issues and to help them define treatments. Count on a full suite of simple, intuitive tools to support your work.



**Auto EF** - Based on a 2D-speckle tracking algorithm, assists in measuring the most commonly used parameter to describe the LV function.



**Automated Function Imaging (AFI)** - Assess and quantify left ventricular wall motion, calculating a large set of parameters.



**Anatomical M-Mode** helps you make on-axis measurements, even in non-standard planes, and also supports the LV wall-motion assessment in apical views.

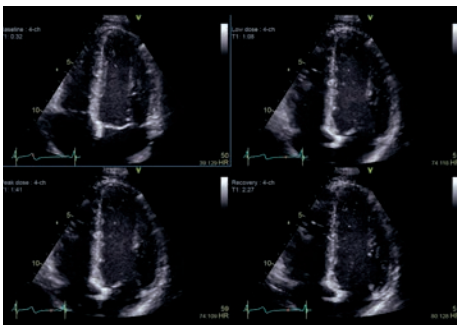
# Workflow

## Streamlining your exams

Vivid S60 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. And how tools like the ability to quantify wall motion abnormalities can help you diagnose. You'll also appreciate the simple tablet-like experience of the Image Manager and configurable interface.



**Scan Assist Pro** - Streamline your most common exams through preset protocols. With Scan Assist Pro, you can customize the system for your standard echo, vascular, and abdominal exams. The protocols assist you throughout each step of an exam by automatically setting up modes and measurements, as well as annotations, helping enhance image acquisition consistency and helping reduce the number of keystrokes.



**Smart Stress** - A stress package with memory buffer offers pharmaceutical, treadmill and bicycle stress exam protocols, with user-configurable templates and shuffle mode.

# Ergonomics

## Designed for reliability and ease of use

- Flex Fit – Adjust control panel and monitor for comfort and convenience
- Easy mobility with smart standby
- Small footprint
- 12.1" touch screen
- 19" LED monitor with articulating arm



**User Interface** - You'll feel right at home with the full touch panel functionality and easily configurable interface.



## 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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