Clinical challenge
Lengthy exam times are a challenge in cardiac ultrasound imaging. Since patients with cardiovascular disease often have a high BMI, it can be time-consuming to get quality images. Plus, acquiring all the metrics for a precise diagnosis lengthens many exams. The result is inefficient workflow and high risk of sonographer injury.

GE solution
Central to the new system is the cSound™ Architecture that combines versatile XDclear™ probes and the new cSound Imageformer to deliver exceptional image quality within fast scan times across a wide range of cardiac exams, even in challenging cases.
Confident diagnosis

From young adults to geriatric patients, the LOGIQ™ E10 empowers clinicians to obtain high quality images across a range of conditions, including structural anomalies, congestive heart failure, cardiomyopathy, and coronary artery disease.

- **Auto-optimized images** – The system’s next-generation cSound Imageformer automatically and continuously delivers incredible uniformity from near to far field. There’s no need to adjust the focus – the information you need is there, instantly.

- **E-Series and new XDclear probes** – The probes work in tandem with the cSound Imageformer to increase penetration power in all modes, including color and Doppler. The new M5Sc-D XDclear probe is optimized for cardiology, with a matrix design that enables high accuracy in short scan times.

- **Advanced imaging modes** – One-click pre-sets optimize image quality for different applications and body types, such as high BMI patients.

Comprehensive tools

Robust tools help clinicians make accurate and informed assessments.

- **Contrast agent imaging** – Contrast agent imaging with the LOGIQ E10 system optimizes the balance between penetration and resolution for improved contrast sensitivity, such as visualizing the endocardial border when assessing LV function.

- **Cardiac Strain** – Automates 2D speckle tracking to measure the deformation, or strain, of the myocardium in real-time to assist clinicians in:
  - Early identification of underlying cardiac disease
  - Managing patients on chemotherapy to avoid heart failure due to chemotoxicity
  - Diagnosing and managing patients with cardiomyopathy

Concise workflow

The LOGIQ E10 can help shorten exam times, to help you achieve new levels of workflow efficiency in cardiac ultrasound.

- **Raw Data** – Now captures twice the data and helps shorten study times by enabling image processing and quantification after the exam.

- **Compare Assistant** – Enables clinicians to view side-by-side clips of wall motion from current and past studies in order to monitor disease progression – right on the system. No need to move to a workstation.

- **DICOM® SR/Linked image** – Structured reporting formats enable automatic population of measurement values and link directly to ultrasound images to add efficiency and precision to workflow.

- **Automated Ejection Fraction** – A semi-automatic measurement tool used for global ejection fraction.

Imagination at work

Product may not be available in all countries and regions. Full product technical specifications is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations.

Data subject to change. JB54961XX

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