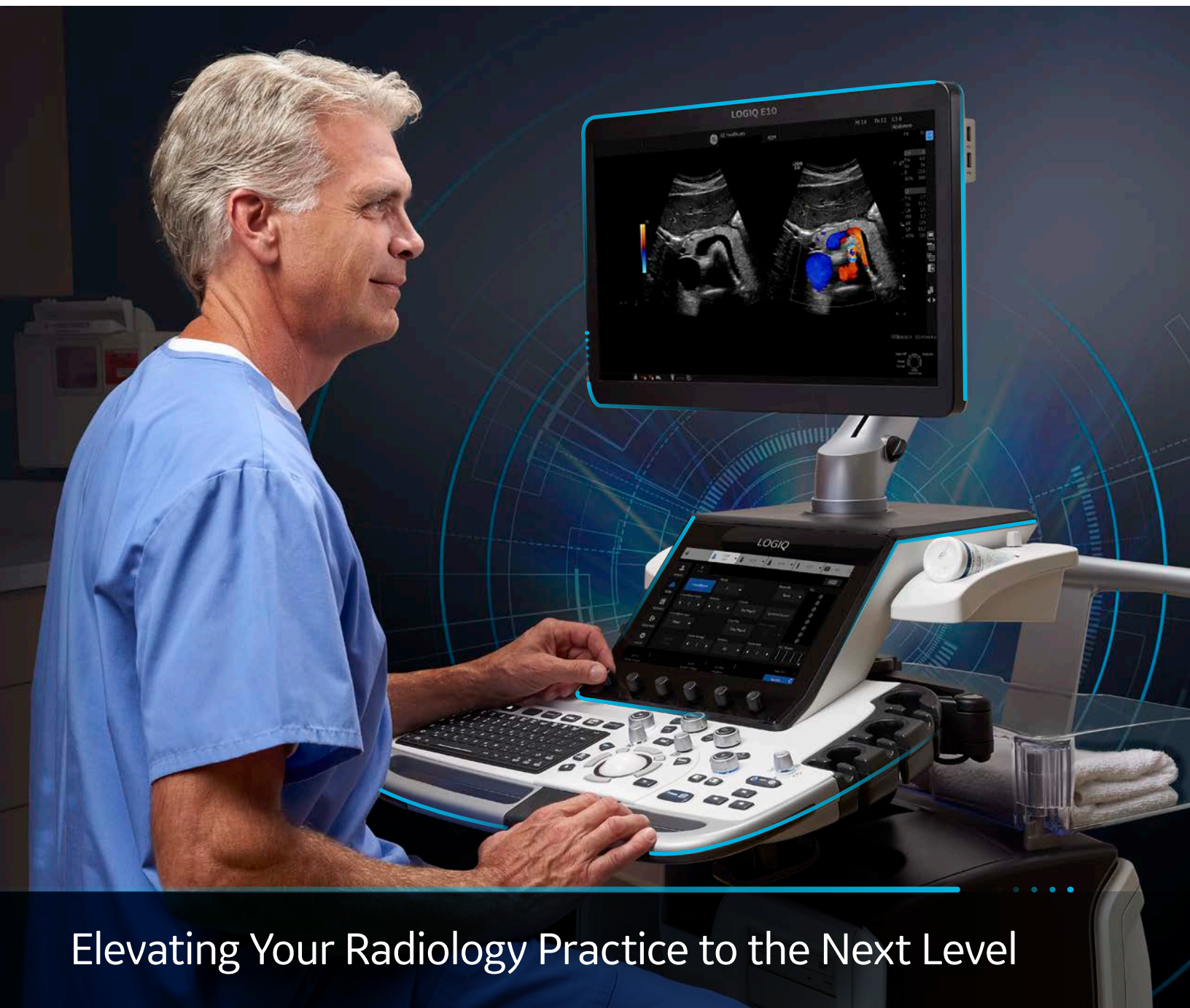




# LOGIQ E10

Empowering You to Make the Difference



Elevating Your Radiology Practice to the Next Level

# EFFICIENT, NEXT-GENERATION IMAGING, FROM NEONATES TO GERIATRIC PATIENTS

## Clinical challenge

Radiology practices face increasing demand – including more challenging cases. Clinicians need robust ultrasound tools that enable productive, patient-centered care – across a wide range of clinical scenarios and applications.

## GE solution

Whether the case is routine or technically challenging, the LOGIQ™ E10 system helps you make a difference in the lives of your patients. Central to the new system is the cSound™ Architecture that combines versatile XDclear™ probes and the new cSound Imageformer to deliver exceptional image quality in head-to-toe clinical scenarios, while workflow tools help increase exam efficiency.



## Comprehensive tools

The LOGIQ E10 provides robust tools that give radiologists a new level of confidence in their diagnostic decisions.

**B-Flow™ imaging:** This non-Doppler technique enables direct, real-time visualization of blood flow echoes with no vessel wall overlap to obscure details.

- **B-Flow Capture with Reconstruction:** Provides a three-dimensional view of blood vessels in which artifacts are automatically suppressed and weak vessel signals enhanced

**B-Steer+:** Enhances needle visualization in real time to improve speed and confidence in needle guidance procedures.

**Contrast Enhanced Imaging (CEUS):** Optimizes the balance between penetration and resolution for improved contrast sensitivity, enhancing the ability to detect and characterize lesions.

**2D Shear Wave Elastography:** Two-dimensional shear wave elastography enables quantitative assessment of tissue elasticity. Strain Elastography is also available for qualitative tissue assessment.

**Volume Navigation:** The combination of 2D/3D GPS Tracking and Fusion Imaging can make a real difference in accuracy – potentially reducing procedure time and patient stress.

- **Fusion Imaging:** Merge real-time ultrasound with a volume DICOM® MR dataset to facilitate a second look examination and fusion guidance of biopsies of masses seen on MRI but not on ultrasound
- **2D/3D GPS Tracking:** Visually track position during a scan using GPS-like technology, and mark selected points of interest to save time and enhance confidence

**Photo Assistant App:** A picture is worth a thousand words in reporting. Acquire and send photos of relevant anatomy – right from the device – to provide valuable context for documentation and comparison after a study. Photo Assistant with Compare Assistant lets you track and document changes between visual and sonogram.

**Compare Assistant:** Enables clinicians to easily view a prior study – ultrasound, mammography, CT or MR – and current images together in real time via a split screen on the monitor, helping to improve confidence and exam efficiency.



## Confident diagnosis

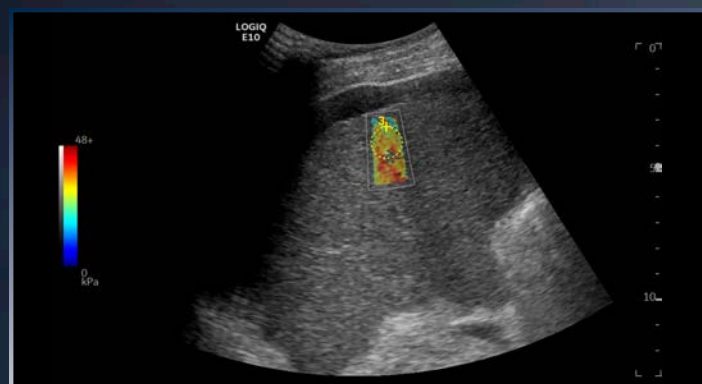
The LOGIQ E10 enables clinicians to acquire extraordinary images across a broad spectrum of patients, with incredible uniformity from near to far field. The system's advanced imaging technology delivers penetration power even in high BMI patients.

**Auto-optimized images:** The cSound Imageformer automatically and continuously delivers images of high quality across a wide range of clinical scenarios. Extraordinary images are quickly obtained resulting in efficient studies, particularly important in challenging cases.

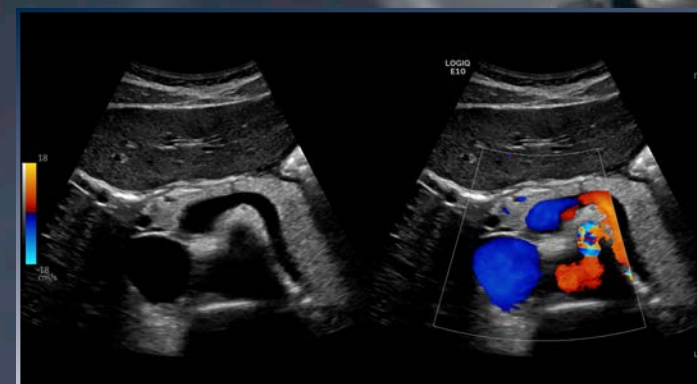
**Choice of high-performance probes:** E-Series and XDclear probes deliver powerful, high fidelity and wide bandwidth for impressive deep penetration and high resolution.



Spleen with Ascities, C1-6-D



Shear Wave Elastography, C1-6-D



Dual Image CF Pancreas, C1-6-D



Pediatric Kidney B-Flow, L2-9-D



## > Concise workflow

The LOGIQ E10 has been designed to help radiology departments achieve new levels of efficiency to free up time for heavy workloads and challenging cases.

**Raw Data:** Expanded dual-screen capabilities enable users to apply a wide variety of image processing and quantification after the exam. This allows the operator to extract and reanalyze information without extending exam time.

**Scan Assistant:** Provides customizable automation to assist users at each step of an ultrasound exam, helping to reduce keystrokes and exam times.

**Intuitive operation:** The ergonomic user interface features easy-to-reach controls, an adjustable floating keyboard, and an articulating monitor that is easily adjustable for viewing both on- and off-axis in the IR lab.

**Exceptional mobility:** The LOGIQ E10 system easily fits into crowded suites. The Power Assistant battery means that no re-boot is required when the system is moved from location to location. On-board storage ensures supplies are at hand.

**Streamlined archiving and reporting:** Robust DICOM connectivity allows images to be saved to a central location and reviewed alongside other imaging modalities.



### 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](http://www.gehealthcare.com/promotional-locations).

Data subject to change.

© 2018 General Electric Company.

GE, the GE Monogram, imagination at work, LOGIQ, XDclear, cSound and B-Flow are trademarks of General Electric Company.

DICOM is a trademark of National Electrical Manufacturers Association.

Reproduction in any form is forbidden without prior written permission from GE. Nothing in this material should be used to diagnose or treat any disease or condition. Readers must consult a healthcare professional.

February 2018 JB53131XX(1)