



LOGIQ E10

Empowering You to Make the Difference



Enabling Liver Procedures

ACCURATE DETECTION AND MANAGEMENT OF LIVER DISEASE

Clinical challenge

To manage patients with liver cancer and chronic liver disease – including those with high BMI – clinicians need an ultrasound system that will help them identify high-risk patients, track disease progression, and make informed decisions to optimize treatment efficacy.

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, including those who are obese. Central to the new system is the cSound™ Architecture that combines versatile XDclear™ probes and the new cSound Imageformer to deliver exceptional image quality while workflow tools help increase exam efficiency. Advanced tools, like shear wave elastography, contrast-enhanced ultrasound, and volume navigation, enable clinicians to diagnose, treat, and follow up on a wide range of conditions.



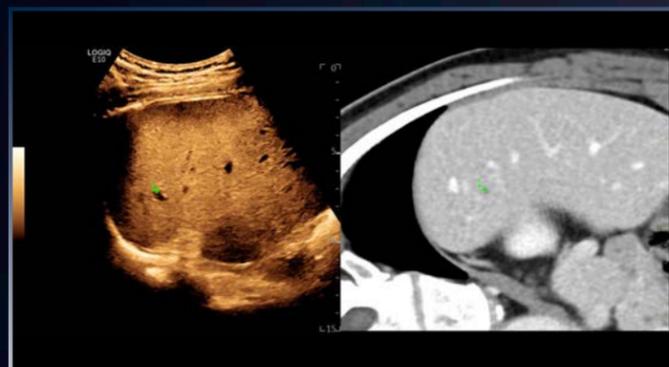
Confident diagnosis

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 next-generation cSound Architecture delivers deep penetration power even for high BMI cases.

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 technically 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. Embedded Volume Navigation sensors in select probes simplify workflow and enhance productivity.

- **C1-6-D/C1-6VN-D:** XDclear convex probe for deep penetration
- **C2-9-D/C2-9VN-D:** XDclear curved probe designed for high resolution imaging in the abdomen
- **C2-7-D/C2-7VN-D:** Microconvex probe with a wide FOV, especially useful when obtaining intercostal views
- **L2-9-D/L2-9VN-D:** New XDclear linear probe with high resolution, designed for abdominal exams
- **M5Sc-D:** New XDclear sector probe designed for intercostal scanning
- **Verza™ Needle Guide:** Available on C1-6-D/C1-6VN-D and L2-9-D/L2-9VN-D, includes five angles for needle visualization



Volume Navigation Contrast Liver Mass with GPS Marker, C1-6-D



Liver Shear Wave Elastography, C1-6-D

Comprehensive tools

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

B-Flow™ imaging: The deep penetration and sensitivity of this non-Doppler technique enable 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 to assess perfusion

Volume Navigation: The combination of 2D/3D GPS Tracking and Fusion Imaging can make a real difference in accuracy. When placed with 3D GPS guidance, the probe may not need repositioning to achieve clean margins – potentially reducing procedure time and patient stress.

- **Fusion Imaging:** Merge real-time ultrasound with a volume DICOM® dataset (CT, MR, PET/CT, CBCT, SPECT and 3D CEUS) to help increase precision in image-guided interventional procedures
- **Needle Tip Tracking:** A live display of position and orientation helps users navigate interventional procedures in plane or out of plane. A Virtual Tracking tool is also available to see a projected view of the needle during procedures
- **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
- **3D GPS Markers:** Powerful 3D real-time tool for planning and monitoring ablation

Contrast Enhanced Ultrasound (CEUS): Provides visualization in pre- and post-ablation assessment of lesion vascularity or residual tumor.

2D Shear Wave Elastography: Enables qualitative and quantitative assessment of tissue elasticity.

Compare Assistant: Enables clinicians to easily view a prior study – ultrasound, CT or MR – and current images side-by-side in real time on the monitor for accurate comparison studies.



Trans Liver Hepatic Veins Normal, C1-6-D



B-Mode Liver Mass at IVC, C1-6-D



> Concise workflow

The LOGIQ E10 can help you achieve new levels of workflow efficiency, so you have more time to focus on patients.

2D Shear Wave Workflow enhancements: Automated single- and multiple-acquisition workflow enhancements enhance efficiency and accuracy of exam acquisition and results display, supporting productivity in busy labs.

Auto-Registration for Fusion Imaging: Sophisticated navigational tools help increase precision and accuracy of image-guided interventional procedures. The Active Tracker enables one-click auto-registration of CT, MR, CBCT images that enhance accuracy and ease in managing patient motion, breathing and transmitter movements.

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.

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.

Intuitive operation: The ergonomic user interface features easy-to-reach controls, an adjustable floating keyboard, and an articulating monitor to speed procedures.



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.

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