



▶ **Enabling Interventional Procedures**

# LOGIQ E10 Series

EMPOWERING YOU TO MAKE THE DIFFERENCE

## Next-level confidence in needle planning & guidance

### CLINICAL CHALLENGE

Clinicians depend on ultrasound to help guide needles and ablation devices, localize anatomy and pathology, and monitor procedures. Accuracy and speed are essential to support confident interventions.

### GE SOLUTION

The more efficient your procedures, the more lives you can touch every day. The LOGIQ™ E10 Series with cSound™ Architecture combines versatile XDclear™ probes and the cSound Imageformer to deliver exceptional image quality across a wide range of diagnostic and therapeutic procedures. Available workflow tools, like 2D and 3D/GPS needle guidance, can help reduce procedure time.



## Confident diagnosis

The extraordinary image quality of the LOGIQ E10 Series gives clinicians the assurance of detailed visualization when performing biopsies, ablations or treating patients.

**Auto-optimized images:** The cSound Imageformer automatically and continuously delivers images of high quality across a wide range of clinical scenarios.

**Radiantflow™:** Provides a near-3D look to support detailed vascular imaging, especially when combined with Micro Vascular Imaging (MVI).

**MVI:** High-definition flow mode helps clinicians visualize small vessels in masses and organ perfusion. Further enhanced when used with Radiantflow or contrast enhanced ultrasound.

**Choice of high-performance probes:** E-Series and XDclear probes deliver high fidelity and wide bandwidth for deep penetration and high resolution. Available with Verza™ Needle Guidance, which has five angles for needle visualization for precise placement.

## Comprehensive tools

The LOGIQ E10 Series provides robust tools to increase the speed and precision of diagnosis, guidance and treatment.

**Volume Navigation:** The LOGIQ E10 Series offers advanced capabilities for image-guided procedures, including:

- **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:** Helps users navigate interventional procedures in plane or out of plane. Available Virtual Tracking tool displays 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

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

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

**Photo Assistant app:** Acquire photos of relevant anatomy via an Android™ smartphone or tablet, and transmit them wirelessly to the ultrasound system for inclusion with the clinical images – providing valuable context for the reviewing physician.

**Remote Control app:** Operate a LOGIQ E10 system from an Android tablet or phone with the LOGIQ Smart App loaded onto it.



## Concise workflow

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

**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, and 3D CEUS images that enhances accuracy and ease in managing patient motion, breathing and transmitter movements.

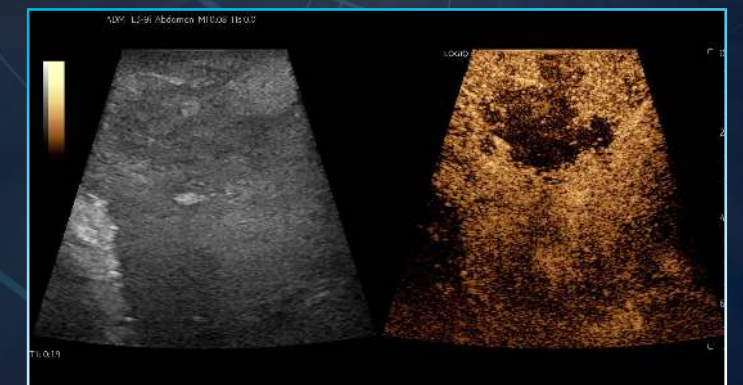
**Exam Comparisons:** View previous exams side-by-side with real-time images. Easy Access to PACS pushes previous studies to device without interrupting workflow. Multi-Modality Query Retrieve enables import of DICOM data from multiple modalities.

**Smart Assistant:** Automatically launches the preferred setting and probe when the user selects an exam type, reducing keystrokes and helping to ensure quality imaging.

**Exceptional mobility:** Systems easily fit into crowded suites. Power Assistant battery eliminates the need for re-boot, and you can even scan on battery power. On-board storage ensures supplies are at hand.



Liver Contrast Enhanced Ultrasound (CEUS) with CT using Volume Navigation, C1-6-D



Liver mass image using CEUS with L3-9i-D



## > Smart investment

GE Healthcare accelerates innovation with the LOGIQ E10 Series – making it the smart choice for now and in the future. The systems are available with a full suite of robust features and scalable options.

**A to A digital platform:** Stay at the forefront of clinical imaging with our A to A digital platform, specifically engineered so you can add next-generation capabilities in the years ahead.

**Familiar user interface:** The new LOGIQ E10 Series offers greater functionality while maintaining the ease of operation and satisfying user experience that has become a hallmark of LOGIQ interface design.

**SonoDefense:** GE Healthcare's multi-layer approach to cybersecurity helps keep the systems safe and functional in the face of cyberthreats and helps protect patient data from unauthorized access.

**Digital support:** Wide choice of efficiency tools to help users, administrators, and operations staff improve productivity, including remote preset management, performance analytics, software/security updates, live clinical training, and advanced system diagnostics.



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Data subject to change.

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