



▶ *Enabling Musculoskeletal Imaging*



# LOGIQ E10 Series

EMPOWERING YOU TO MAKE THE DIFFERENCE

**Diagnose and treat a wide range of conditions with confidence**

## CLINICAL CHALLENGE

Ultrasound imaging is a critical diagnostic test for many musculoskeletal conditions. Clinicians need excellent contrast and detail resolution to get an in-depth understanding of tissue, pathology, blood flow, and inflammation levels.

## GE SOLUTION

The LOGIQ™ E10 Series helps you make a difference in the lives of your patients. It provides extraordinary images across the range of musculoskeletal conditions, thanks to the cSound™ Architecture with XDclear™ probes and cSound Imageformer. AI-based workflow tools increase exam efficiency, and advanced specialty tools like 2D shear wave elastography expand your imaging flexibility.



## Confident diagnosis

The LOGIQ E10 Series empowers clinicians to scan, diagnose, and treat a broad range of conditions. Clinicians can count on high quality images, deep penetration in larger structures, like the shoulder, and finely-detailed visualization in smaller parts, like fingers and wrists.

**Auto-optimized images:** The cSound Imageformer continuously delivers images of incredible uniformity from near to far field. There's no need to adjust the focus – the information you need is there, instantly.

**Radiantflow™:** Provides a near-3D look to support visualization of tiny vessels, especially when combined with Micro Vascular Imaging (MVI).

**MVI:** High-definition flow mode helps clinicians clearly see even small vessels in the joints with ease. Further enhanced when used with Radiantflow.

**Choice of high-performance probes:** E-Series and XDclear probes – including the new L6-24 high frequency probe – deliver powerful, high fidelity and wide bandwidth for deep penetration and high resolution. Embedded Volume Navigation sensors in select probes simplify workflow and enhance productivity. Available with Verza™ Needle Guidance, which has five angles for needle visualization.

## Comprehensive tools

The LOGIQ E10 Series provides robust tools to facilitate accurate diagnostic and treatment decisions.

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

**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 3D view of blood vessels, suppressing artifacts and enhancing weak vessel signals.

**Volume Navigation:** The combination of fusion imaging, GPS, and needle tracking help make a real difference in accuracy.

- **Fusion Imaging:** Merge real-time ultrasound with a volume DICOM® dataset (MR or other imaging modality) 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

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

**Multi-Modality Query Retrieve:** Enables import of any DICOM data set of previous study for comparison and follow-up.

**2D Shear Wave Elastography:** Enables qualitative and quantitative assessment of tissue elasticity. Now available with a Shear Wave Elastography Quality Map to support accurate measurements.

**Photo Assistant app:** Acquire and send photos of relevant anatomy from the Android™ tablet or phone to provide valuable context for documentation and comparison after a study. Photo Assistant with Compare Assistant allows you to track and document changes between the photo and the sonogram.

**Remote Control app:** Operate a LOGIQ E10 system from an Android tablet or phone that has 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.

**Virtual Convex:** Provides a wide field of view so users can visualize more anatomy in a single scan.

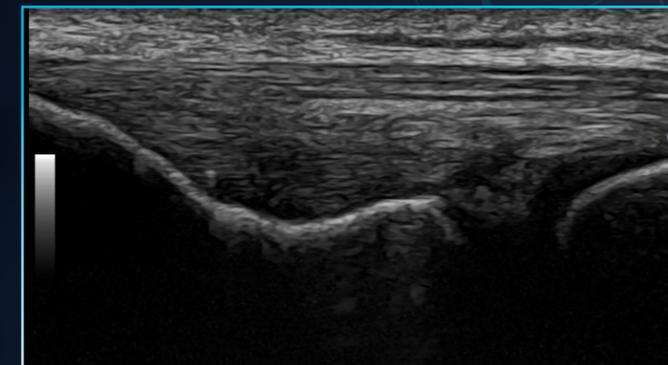
**LOGIQ View:** Constructs an extended image from individual frames, enabling a “virtual sweep” that can help improve visualization of the entire tendon or muscle.

**Raw Data:** Expanded 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.

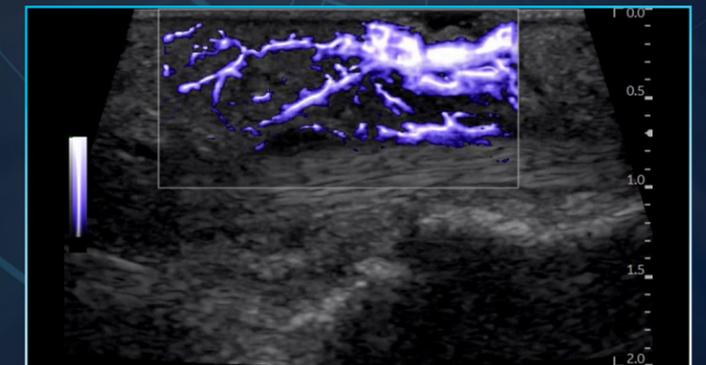
**Flow Quantification:** 2D CFM/PDI quantitative assessment of vascular feeding in a selected ROI. Can help in the assessment of inflammatory disease and vascular feeding of suspicious anatomical areas.

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

**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.



Elbow, L6-24-D



MVI finger flow, L6-24-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. The design features easy to reach controls, adjustable floating keyboard and an articulating monitor.

**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.



### Imagination at work

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

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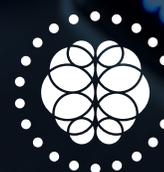
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