LOGIQ e
The accuracy to go further.
Amazing accuracy leads to amazing outcomes.

Accuracy at the point of care allows you to excel in providing care to your patients. Clear superficial and deep imaging is vital to help you distinguish between tissue types and compare normal to abnormal anatomy.

Our Tissue Differentiation helps you detect subtle changes in anatomy, minimal amounts of fluid and small structures. This comes from the combination of our proprietary imaging technology, beamformer and ultra-high frequency L8-18i-RS transducer. All this, with a 20-percent contrast ratio improvement, helps clarify differences in anatomical detail compared to our previous release of LOGIQ e.

Accurate and immediate information, in your hands, can help you improve patient care.

Where being shallow and sensitive are virtues.

PDI Sensitivity

Our Power Doppler Imaging (PDI) Sensitivity helps you detect slow blood flow in both small and large vessels. This enables you to:

- Detect small vessels and inflammation, as well as evaluate conditions such as rheumatoid arthritis, tumors or clotting in both adult and pediatric patients.
- Verify the presence or absence of blood flow and vascular structures in a region of interest.

Moving the needle forward, once again.

B-Steer + Needle Recognition

Needle-guided procedures require precision. B-Steer + Needle Recognition provides this “always on” feature that accurately reveals the structure of a needle within anatomy, without distortion of the needle. You can see the needle advance in real time, with no image processing delays. This helps provide accurate vision in three key areas—needle, anatomy and motion—even in Color and Power Doppler. This enhanced ultrasound guidance enables you to have consistency and helps you improve patient care.
Make patient follow-up consistent and automatic.

When you monitor your patient’s condition, therapy or progress over time, the Patient Follow-up Tool automatically recalls all of the imaging parameters, comments and body patterns to be identical to your patient’s previous exams. It even provides an alert if you use a different transducer than last time. This helps give you technical consistency from one visit to the next for accurate comparisons. Total recall to help decrease the time of follow-up exams.

Patient Follow-up Tool.

Just select patient name and previous exam to view a live image and historical image side-by-side. Your patient’s past exams are displayed in thumbnail format. You can use this tool in B-Mode, Color Mode and PDI in wide-screen format.

Transducer and imaging parameters from previous exam are automatically recalled for live scan.

Comments and body patterns carry over from previous exam.

Add comments to images - for easy identification in library of past images.

Serial exam of the lymph node across sample exam dates.
Simplicity creates efficiency. Customize to your needs.

Use your system, your way. Spend more time focusing on your patient and not your equipment. It’s efficiency at the touch of a button.

**Automatic – when time is of the essence**
- The system comes with expertly optimized image settings readily available on the LOGIQ e.
- Auto Optimize helps you quickly adjust image quality with the touch of one button.

**Personalize – it’s easy, and the choice is yours**
- You have the flexibility to fine-tune the image across all modes and save your settings.
- You can even create up to eight of your own default settings by anatomy, procedure or physician.
- Quickly streamline your system and select only the capabilities you need for your clinic or facility.

Carrying diagnostic sensitivity to a quantifiable level.

Color and PDI Quantification brings accuracy you can count on – with increased sensitivity and quantifiable data, in comparison to the previous release of LOGIQ e. This tool helps you evaluate the amount of blood flow within a region of interest, to assist with diagnosis and monitoring. This quantification feature can help you:

- Accurately assess inflammation and evaluate conditions such as rheumatoid arthritis.
- Monitor tumors over time by quantifying blood flow.
- Provide more data to help give insight into the patient’s neovascularization and disease state.
Advanced imaging when you need it.

LOGIQ e gives you the power to expand from routine to advanced ultrasound imaging. The system delivers a strong package of advanced imaging features that are intuitive to use and can help you deliver exceptional patient care.

GE’s proprietary Raw Data Imaging is the architecture for these advanced capabilities. Raw Data Imaging also allows you the flexibility to manipulate stored images, add annotations, or measure and optimize images, even after the procedure. With Raw Data, you have the freedom to use the images after the patient has left the exam room. The capabilities also include:

**Simultaneous Split Screen**
Simultaneous Split Screen shows two images side-by-side for live scanning – with and without Color and Power Doppler. Also use Split Screen for contralateral and historical comparisons. You can compare normal anatomy to abnormalities during patient exams and recall saved images for comparison to live scanning when assessing patient progress.

**LOGIQview**
Renders a panoramic image up to 60 cm for ligaments, tendons and muscles in long axis. It also allows you to see a wider field of view for comparing normal to abnormal anatomy.

**Easy3D**
Gives you the power to scan a specific area and reconstruct 3D volumetric images. You can review and reconstruct any plane or combination of planes within the acquired volume, including coronal planes.

**B-Color**
Lets you select color tints to apply to the gray scale image. You can amplify contrast differences, resolve differences in color versus black and white and easily differentiate between soft tissue and fascial planes or interfaces.
The power of portability.

Two set-ups. Pick the one that best fits your needs.

- **External Speakers**
  - For audio of Doppler imaging.

- **Portable Docking Station**
  - Slim design
  - Easily move from location to location.
  - Fits into tight spaces.

- **Streamline Cart**
  - Three "live" transducer connections, so you're ready for a range of scans.

- **Storage Shelf**
  - For printer and CD/DVD player.

- **Drawer Locks**
  - For secure storage with a loop for a padlock on the underside of the drawer.

Easy options to help you stay more efficient.

Documentation is easy over a wired or wireless network.

- **EMR**
  - QuickSave stores non-DICOM images and reports to a USB device or a network shared folder for attaching to EMR.

- **PACS**
  - Transfers DICOM images seamlessly to PACS.

- **Batch Network Save**
  - For each patient – one key sends selected images in one step.

- **Print**
  - On a cart printer or HP-supported network printer.

- **DICOM Worklist†**
  - Pick patient from a pre-scheduled worklist and scan.

†Requires optional DICOM license.
It's easy to expand from routine to advanced imaging across multiple applications. Robust and customizable, the LOGIQ e gives you all the flexibility needed to grow with you and your practice.

**Musculoskeletal**
Gain proficiency with dynamic and deep imaging, as well as guided therapeutic injections and aspirations. With our clear superficial imaging, you can effectively visualize inflammation, small vessels, bone erosions and needle placements.

**Interventional**
Manage the complexities of superficial imaging, deep imaging and needle-guided procedures – including fine needle aspirations, biopsies and vascular access procedures. With this single system you can diagnose, treat and monitor your patients over time.

**Anesthesia and Pain Management**
Gain freedom and clarity in the way you use ultrasound for acute and chronic pain management. With a single system, perform superficial to deep regional nerve blocks and pain injections, vascular access, transthoracic (TTE) or transesophageal (TEE).

**Emergency and Critical Care**
Quickly identify life-threatening situations and accelerate care plans with this robust system. Automated features help you optimize image quality at the touch of a button, helping you achieve fast and accurate diagnoses and treatment. One powerful compact system gives you superficial, cardiac, abdominal and OB/GYN imaging, as well as needle guidance.
Instant Access to support with Live Assist and InSite ExC.

When you need support, we’re there. In addition to your onsite support from GE Ultrasound representatives, clinical applications and service teams, you have support options of:

- **Live phone support**: Talk through your issue with a Live Assist clinical applications specialist or online center engineer.
- **Service requests and real-time support**: With a standard internet connection to your LOGIQ e, you can use InSite ExC for Express Connection to place a service request with a click of a button. A Live Assist specialist can access your LOGIQ e to view the screen and run tests while you talk by phone.

GE Healthcare at your service.

GE offers dedicated field service support and can help get you connected to training programs and a wide range of accessories and supplies. Consult your GE Ultrasound representative for details on:

- Our eSmart Trainer. This customizable USB module gives you quick reference on your LOGIQ e monitor of basic scanning techniques with examples of probe position, anatomy and sample clinical image.
- Congresses and workshops that offer ultrasound education and training.
- Guidelines for education in ultrasound.
- Educational Web sites, videos and text books.
- Evidence publications, including the clinical economics of ultrasound guidance.
- Reimbursement information.
- Or visit www.gehealthcare.com/ultrasound