

GE Healthcare

# More possibilities.

LOGIQ 5 Expert





Get premium performance in a versatile, high-value package. The LOGIQ® 5 ultrasound system from GE Healthcare delivers advanced capabilities, outstanding clinical performance, and the efficiency and productivity you demand.

## Capturing the power of the original image

It all begins with GE's exclusive TruScan™ architecture. TruScan delivers flexibility in acquiring, optimizing and storing studies. With the LOGIQ 5 system, the acquired image data is stored early in the imaging chain. So when you recall an archived image hours, or even months later, you always get the raw image data collected – with no loss in fidelity.

Review your images on the LOGIQ 5 system and experience the power of raw data:

- Reconstruct images in 3D to create new planar views
- Adjust B-mode gain, dynamic range and gray scale maps
- Change overall Doppler gain, baseline shift and sweep speed
- Adjust color flow mode
- Apply anatomical M-mode to stored cine loop for heart rate measurements

Now, you can leverage real-time scanning controls after the patient has left the exam room – helping increase diagnostic confidence, while reducing the potential for patient rescans.

## Delivering superb image quality

GE's exclusive coded imaging technology allows the digital encoding and decoding of pulse sequences, resulting in optimized image quality in virtually every clinical application.

With LOGIQ 5, every detail leads to image quality:

- Phase Inversion Harmonics provides higher spatial resolution and deeper penetration
- Coded Excitation delivers higher frequencies to capture crisp images on even the most challenging patients
- Coded Harmonics suppresses noise in the signal to boost contrast resolution throughout the image
- B-Flow displays true hemodynamic flow with high-velocity visualization

## Enhancing comfort and safety

In ultrasound, the clinician and system function as one during an exam. That's why GE designed LOGIQ 5 to optimize operator comfort, safety and convenience with user-adaptable, ergonomic features:

- Height-adjustable keyboard and monitor to fit your personal comfort zone
- 15-inch, high-resolution color display for clear viewing from any angle
- Intuitive keyboard design facilitates single-hand operation
- Back-lit mode and gain adjust easily for low-light conditions
- Wide bandwidth transducers allows you to adjust frequency to optimize resolution

## Improving productivity and speeding exams

The LOGIQ 5 system takes advantage of adaptive processing techniques that help you productively acquire the very best images in the least possible time. By minimizing operator-dependent variability, our suite of software-driven features enhances your overall image quality and exam consistency:

- Automatic Optimization provides one-touch image refinement for B-Mode, color and Doppler studies
- Programmable, color touch screen allows you to customize system workflow
- Virtual convex and LOGIQView features expand your field of view providing additional B-mode information and anatomical references
- Easy3D and Advanced 3D provide integrated 3D image rendering and landscape technology
- Report Writer provides customizable, application-specific patient reports for your department.
- Anatomical M-mode provides accurate, anatomically correct measurements regardless of orientation.
- Ninety-second boot-up speeds start up for portable exams



# Leading

the way in ultrasound technology

GE Healthcare's continuous stream of ultrasound breakthroughs has redefined the standards for image quality, accelerated development of new applications and increased clinical efficiency for users worldwide.

Our exclusive software-based approach provides a clear upgrade path, so you can add new cutting-edge clinical capabilities quickly and easily. With GE's LOGIQ family, it's simple to scan state-of-the-art, now and into the future.

For more information about our LOGIQ 5 ultrasound solution, contact your GE Healthcare representative.



## Breakthrough innovation

GE Healthcare provides unsurpassed performance through our commitment to deliver the latest technology in annual breakthroughs. This year's breakthrough on the LOGIQ 5 includes:

### Image Quality

- Phase Inversion Harmonics for superb clarity and contrast
- New algorithms and multi focus settings for enhanced near field display and general homogeneity

### Connectivity and Ergonomics

- Single button auto color optimization
- Fast boot up and response time
- Automatic probe selection by application
- Easily transfer reports and images (jpeg, avi) via USB memory stick
- New graphical look
- Streamlined workflow

### Other Advancements

- Increased CWD sensitivity using new algorithms
- Advanced application support for urology
- New measurements and analysis capability
- Enhancement to Report Writer

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imagination at work