At GE, we go through great lengths to understand the needs of today's ultrasound professional. In our quest to better serve your needs, we've developed a technology so compelling that we've redesigned our premium products to fully leverage it.

Introducing the LOGIQ 7, a revolution in ultrasound system design that improves image quality and productivity in a more ergonomically correct environment. The result is improved confidence, speed and flexibility. Best of all, the new LOGIQ 7 continues the tradition of our ultrasound systems' most trusted names - LOGIQ.

• TruScan, the new, GE-exclusive, raw-data processing technology that will change the future of ultrasound imaging. By accessing raw data, TruScan achieves excellent image quality today and creates unparalleled image management tomorrow.

• CodeScan, Fourth Generation Coded Technology, improves image quality and expands clinical utility.

• SmartScan, improves image acquisition and patient throughput while increasing diagnostic confidence and exam consistency.

• ComfortScan, the most advanced ergonomic design ever, makes the LOGIQ 7 comfortable to use and extremely portable.

LOGIQ 7: An ultrasound system that expands unprecedented clinical performance today – and paves the way for infinite possibilities in the future.

Breakthrough after breakthrough, year after year.

The new LOGIQ 7 is another example of GE's commitment to introducing breakthrough technology, year after year. A premium Ultrasound system, such as the LOGIQ 7, represents a significant financial commitment and an breakthrough strategy is protection for your investment. With GE Medical Systems, your investment is safe because we will continue to deliver breakthrough products, technologies and capabilities every year that:

• Are demonstrable in images

• Solve clinically relevant problems

• Have broad clinical applications

• GE Medical Systems is a world leader in diagnostic imaging products and support. For more than 100 years, healthcare providers worldwide have relied on GE for high-quality imaging technology, services and productivity solutions.

GE Medical Systems
www.gemedicalsystems.com
TruAccess. A truly revolutionary advance in ultrasound technology.

A GE Ultrasound exclusive, TruAccess utilizes true data digital processing throughout the entire ultrasound study—from the acquisition of one data to digital viewing and finally to the storage of data into its purest, digital form. By storing data in its original fidelity or true form, there is never a loss of information or image quality—not during today's exams or during future review and analysis. In addition, TruAccess will provide you with:

• Outstanding image quality because images are always retained in their true, raw-data format.
• Data Portability or the ability to send exams to other scanners, workstations and/or archives. With DICOM compliant format, the LOGIQ 7 will help ensure you have access to images when you need them... and where you need them.
• Complete image flexibility because images can be reviewed, manipulated and/or archives. With DICOM compliant format, you have access to images when you need them... and where you need them.
• Instant access to the complete exam—from the acquisition of one data to digital viewing and finally to the storage of data into its purest, digital form.
• LCD color touch screen with intuitive menu.
• Automatic Optimization in B-Mode and Doppler Mode.
• LED color touch screen with intuitive menu.

First introduced by GE and improved every year, GE proprietary code, or Technique, has enabled B-Flow, Coded Excitation, Coded Harmonics and Coded Harmonic Angio*

Digital encoding and decoding of pulse sequences with uniquely designed codes has dramatically improved sensitivity and penetration, driving clinical performances to new levels.

Now, Fourth Generation Coded Technology continues to improve image quality. The LOGIQ 7 applies CodeScan technology to:

• B-Flow—the ability to see true hemodynamic flow with improved high velocity visualization.
• Coded Excitation—improved resolution through higher frequencies penetrating deeper in the body.
• Coded Harmonics—obtains harmonics at higher frequencies (up to 14 MHz) utilizing greater spatial and contrast resolution.
• Coded Harmonic Angio—unique code sequences customized for specific contrast agents and applications.

CodeScan offers dramatic improvements in sensitivity and penetration—as well as the ability to subtract unwanted signal components, in the viewing window. The LOGIQ 7’s powerful digital encoding and decoding of pulse sequences with uniquely designed code word sets of proprietary coded techniques such as B-Flow, Coded Excitation and Coded Harmonics.

CodeScan creates an ergonomic imaging environment to address repetitive stress injuries and makes the LOGIQ 7 comfortable to use.

SmartScan. A full software suite to improve productivity.

Enabled by adaptive processing techniques, SmartScan helps acquire the best image possible in the shortest amount of time. Additionally, SmartScan helps obtain consistent images by reducing variation in an operator-dependent environment. SmartScan on the LOGIQ 7 provides you with:

• Automatic Optimization in B-Mode and Doppler Mode.
• LED color touch screen with intuitive menu.
• Virtual control provides a common field of view for linear and sector transducers.
• LOGIQView provides expanded field of view imaging in B-Mode and Color Mode.
• Advanced 3D visualization with 3D Landscape is quick and easy-to-use to improve productivity.
• Enhanced DICOM capabilities for improved connectivity.
• New workflow management features improve patient image management and comprehensive reporting.

SmartScan brings together GE’s exclusive technologies under one Architecture.

M9s Matrix Array Transducer.
M7s Matrix Array Transducer.
E8C Microconvex Transducer.