

GE Healthcare



ULTRASOUND SYSTEMS

Product Overview



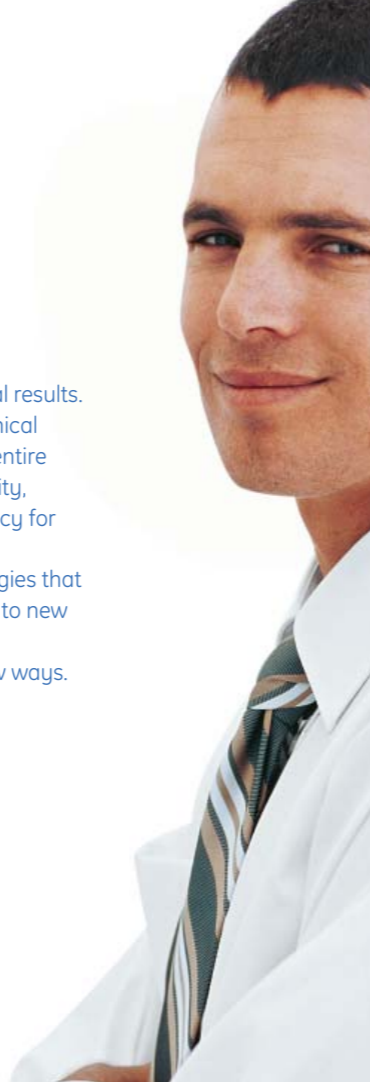
BREAKTHROUGHS that make a Clinical Difference

At GE Healthcare, we believe innovative ideas can lead to transformational results. We focus on breakthrough ultrasound technologies that create higher clinical value for you and your patients. Then we apply those innovations to our entire portfolio of systems. In this way, we redefine the standards of image quality, accelerate development of new applications, and increase clinical efficiency for users worldwide.

We deliver breakthroughs year after year – powerful ultrasound technologies that raise image quality and efficiency to whole new levels, and help you soar to new heights of diagnostic excellence.

Together, we can transform patient care by using ultrasound in brand new ways. Innovative ideas. Transformational results.

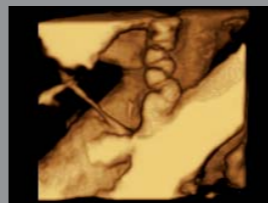
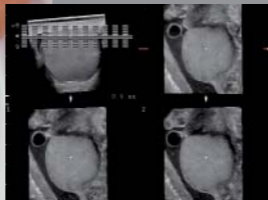
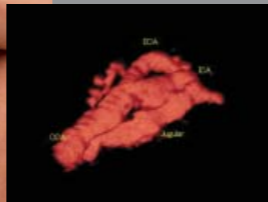
Ultrasound Re-imagined



Here are a few critical breakthroughs available across the GE line of ultrasound systems:

- ◆ **Speckle Reduction Imaging (SRI).** Heightens visibility of organs and lesions with improved, high-definition contrast resolution that suppresses speckle artifact while maintaining true tissue architecture.
- ◆ **CrossXBeam** spatial compounding. Enhances tissue and border differentiation.
- ◆ **Volume Ultrasound.** Lets users acquire, navigate, optimize and analyze volumetric images in real-time and analyze raw volumetric data in different planes after the patient leaves – instead of rescanning the patient.
- ◆ **TruScan Architecture.** Allows storage of raw data early in the imaging chain, enabling powerful post-processing and analysis, increasing diagnostic confidence, and reducing patient rescans.

LOGIQ.



Demand More

In today's fast-paced radiology environment, you need the right tools to accomplish more. The LOGIQ ultrasound family delivers: From routine 2D imaging, to powerful Volume Ultrasound capabilities, to comprehensive information management. Created by the world's number one ultrasound company, the LOGIQ family brings you a full range of systems that fit the most demanding radiology applications.

LOGIQ 100 Pro

LOGIQ C2

LOGIQ 200 Pro

LOGIQ C3

LOGIQ A5

LOGIQ C5

LOGIQ 3

LOGIQ P5

LOGIQ P6

LOGIQ S6

LOGIQ 7

LOGIQ 9

LOGIQ E9

LOGIQ 100 Pro

Portable digital ultrasound.

Here's a full-feature ultrasound system that goes where you need it. The LOGIQ 100 Pro combines superior-quality ultrasound diagnostics in a modern, compact design that works easily in tight spaces.

- ◆ Fully digital beamformer
- ◆ Automatic Tissue Optimization
- ◆ Picture-in-picture zoom
- ◆ Parallel focusing technology
- ◆ Integrated image memory
- ◆ Cine memory



LOGIQ C2

The logical first choice.

The LOGIQ C2 is a dependable black & white ultrasound system that enhances quality of diagnosis without stretching budgets. Designed as a stepping stone into the world of ultrasound it is the ideal choice for clinical practices

- ◆ Auto Optimization
- ◆ Tissue Harmonic Imaging (THI)
- ◆ Virtual Convex
- ◆ Auto depth
- ◆ Wide-view 15" high resolution LCD

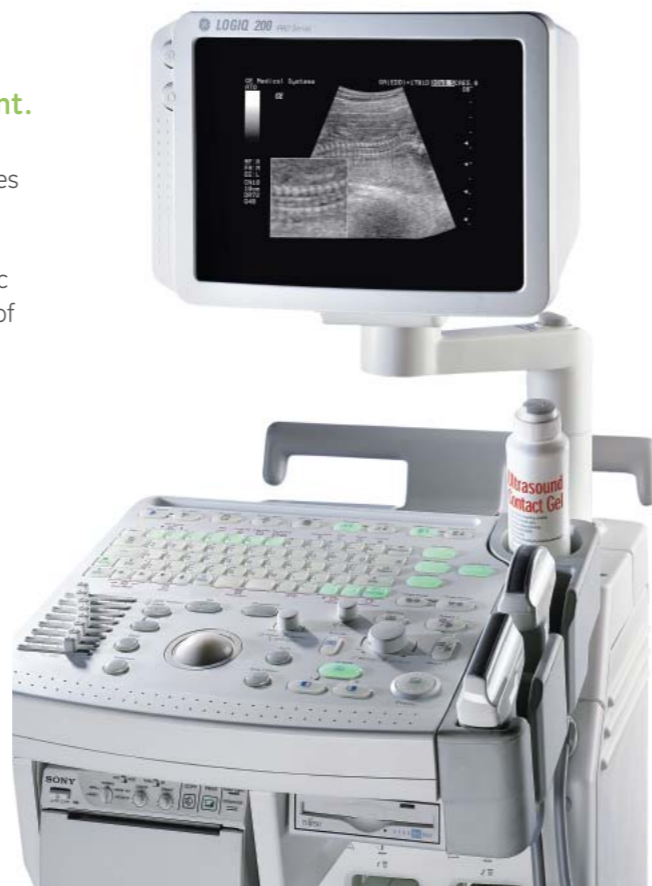


LOGIQ 200 Pro

When an excellent B-mode image is all-important.

With advanced digital beam forming, the LOGIQ 200 Pro gives you excellent resolution in both the lateral and axial planes. With a monochrome terminal, this easily affordable system offers high-quality imaging that ensures excellent diagnostic confidence – both in abdominal studies and for application of the electronic transvaginal transducer with its wide-angle beam.

- ◆ Picture-in picture zoom
- ◆ Automatic Tissue Optimization
- ◆ Large cine memory



LOGIQ C3

Diagnosis with details.

The LOGIQ C3 has been conceived as package that aids your practice through greater spell check in diagnosis even as it enhances patient throughput. The system is equipped with a host of features for optimized performance.

- ◆ Auto Optimization
- ◆ Tissue Harmonic Imaging (THI)
- ◆ Virtual Convex
- ◆ LogiqView
- ◆ Easy 3D
- ◆ Anatomical M-Mode
- ◆ PWD – Pulse Wave Doppler
- ◆ DICOM
- ◆ Wide-view 15" high resolution LCD

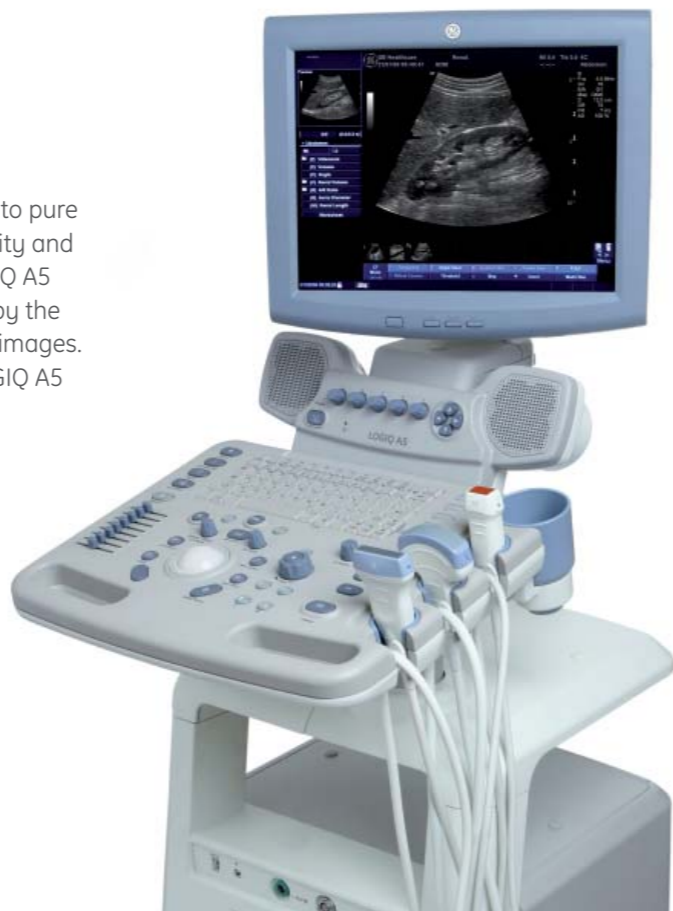


LOGIQ A5

Unprecedented image clarity.

The LOGIQ A5 is the hands-down winner when it comes to pure monochrome imaging, delivering stunning B-image clarity and realistic representations of tissue composition. The LOGIQ A5 incorporates all the innovations and components used by the most expensive models in the LOGIQ family to create B-images. But by dispensing with the color-coded Doppler, the LOGIQ A5 achieves a price/performance ratio in monochrome imaging which is second to none.

- ◆ Linear, Convex and Sector Phased Array
- ◆ TruScan
- ◆ Auto Optimization (AO)
- ◆ CrossXBeam™ Imaging
- ◆ Coded Harmonic Imaging



LOGIQ C5

Greater Insights.

The LOGIQ C5, an advanced color doppler ultrasound system brings superior diagnostic capability into your practice without the need of large investment. GE's TrueScan architecture provides flexibility and versatility to the LOGIQ C5. The LOGIQ C5 supports a wide range of ergonomically designed, convex, micro-convex linear and phased array sector probes.

- ◆ Auto Optimization
- ◆ Tissue Harmonic Imaging (THI)
- ◆ Virtual Convex
- ◆ LogiqView
- ◆ Easy 3D
- ◆ Anatomical M-Mode
- ◆ DICOM
- ◆ Wide-view 15" high spell check LCD



LOGIQ 3

Color-coded duplex sonography in the economy class.

The LOGIQ 3 gives you the benefits of color-coded duplex sonography for a manageable investment. Automated processes help you deliver precise diagnoses and increase your efficiency.

- ♦ AO, automatic adaptation of B-mode image and Doppler (PRF, baseline, angle cursor, etc.) to the prevailing exam environment
- ♦ TruScan: extensive adjustment and optimization facilities, even for frozen and archived images
- ♦ Low-cost archiving via integral CD writer



LOGIQ P5

Driving innovation.

The unique LOGIQ P5 puts breakthrough technology well within the reach of private practices and specialized clinics and hospitals. The lightweight console delivers unprecedented image clarity, enhanced diagnostic confidence, and higher patient throughput. The road to diagnostic confidence has never been more accessible.

- ♦ High-Definition Speckle Reduction Imaging (SRI-HD)
- ♦ CrossXBeam™ imaging
- ♦ Auto Optimization (AO)
- ♦ Auto TGC
- ♦ 4D imaging
- ♦ Coded technology



LOGIQ P6

Performance within reach.

The combination of performance and versatility enables you to meet the needs of patients across multiple clinical settings. With advanced detail resolution and color flow, you can easily distinguish between cystic and solid lesions, especially in small areas like the thyroid, breast and ovary. And the increased detail and contrast resolution help identify even the most challenging pathologies. These capabilities help to optimize your ability for earlier diagnosis.

- ◆ High-Definition Speckle Reduction Imaging (SRI-HD)
- ◆ CrossXBeam™ imaging
- ◆ Dual Beam
- ◆ Harmonics
- ◆ Real-Time 4D Imaging



LOGIQ S6

Advanced technologies for enhanced image quality.

The LOGIQ S6 is an uncompromising system that delivers superior image quality and high-resolution imaging in applications including small parts, musculoskeletal, abdominal, OB/GYN, vascular, basic cardiac, stress echo and TEE imaging.

- ◆ Volume Ultrasound
- ◆ CrossXBeam™
- ◆ SRI-HD
- ◆ Active matrix array
- ◆ B-Flow and B-Flow Color
- ◆ Contrast-Enhanced Ultrasound
- ◆ Virtual rescans



LOGIQ 7

Be more comfortable.

LOGIQ 7, our premium shared-service ultrasound system, is versatile and reliable, meeting the demands of almost any clinical setting. It supports a full range of applications, from abdominal, OB/GYN, small parts and pediatric, to vascular and cardiovascular imaging, including transesophageal, stress echo, Tissue Velocity Imaging (TVI), Tissue Velocity Doppler (TVD) and Q-Analysis.

Volume Ultrasound

- ◆ 3D/4D imaging with real-time acquisition in superficial, abdominal and endocavitary applications
- ◆ Volume datasets in B, CFM, PDI and CEUS modes
- ◆ Visualisation in sectional planes, VCI, TUI (Tomographic Ultrasound Imaging) and various renderings

CrossXBeam Spatial Compounding

- ◆ Live, side-by-side displays with DualView
- ◆ Active in Color Flow Mode
- ◆ Multiple user settings

Speckle Reduction Imaging (SRI II)

- ◆ Suppressing speckle artifact where no borders or edges are present
- ◆ Preserving borders where echogenicity differences occur
- ◆ Avoiding structure creation

Digital Encoded Ultrasound Technology

- ◆ Coded Harmonics including high frequencies
- ◆ B-Flow and B-Flow Color
- ◆ Coded contrast package including 3D Static CEUS, TAD PI, the new Hybrid Contrast Imaging and TIC quantification package

Active Matrix Array Technology

- ◆ Elevational beam control
- ◆ Higher spatial resolution and focusing from near to far field



LOGIQ 9

Accomplish more.

LOGIQ 9, our TOP Premium ultrasound system, let's you easily acquire and construct volumetric images in real time, then navigate through the datasets to explore in any plane the smallest details with stunning clarity.

Volume Ultrasound

- ◆ 3D/4D imaging with real-time acquisition in superficial, abdominal, pediatric and endocavitary applications
- ◆ Volume datasets in B, CFM, PDI and CEUS modes
- ◆ Data visualization in multi-planar imaging, VCI, (Volume Contrast) TUI (Tomographic Imaging) and several renderings
- ◆ Volume SRI, to reduce speckle artifacts within the volume

CrossXBeam Spatial Compounding

- ◆ Live, side-by-side displays
- ◆ Active in Color Flow Mode
- ◆ Multiple user settings

Speckle Reduction with Organ Specific Imaging (SRI-HD)

- ◆ Suppressing speckle artifact where no borders or edges are present
- ◆ Preserving borders where echogenicity differences occur
- ◆ Avoiding structure creation
- ◆ Multiple user settings

Digital Encoded Ultrasound Technology

- ◆ Coded Harmonics incl. high frequencies
- ◆ B-Flow
- ◆ Coded contrast package including 3D Static CEUS and Quick 3D, dual screen visualization, TIC quantification package

Active Matrix Array Technology

- ◆ Elevational Beam control
- ◆ Higher spatial resolution and focusing from near to far field



LOGIQ E9

Ultrasound agility has arrived.

LOGIQ E9, our new leadership ultrasound system, is based on the GE exclusive Agile Acoustic Architecture starting on the developments of complex acoustic models based on clinical data. These models take into account more realistic and dynamic physics profiles for different tissue types, modeling differences in parameters like attenuation and speed of sound. As result, you can get an exquisite imaging performance for any tissue type, deep penetration in the most difficult patients, excellent image uniformity and minimal user interaction. Advanced Expert Tools, as Volume Navigation (with the exclusive GPS technology and Fusion Imaging) and the extended CEUS Package, bring advanced applications to your daily practice with easy, quick and precise procedures.



Agile Acoustic Architecture

Unique and Powerful Architecture based on:

- ◆ Great Processing Power
- ◆ Ultra high-speed data Links
- ◆ Intelligent Beamformer Channels
- ◆ Library of Acoustic Profiles
- ◆ Dynamic Mathematical Models

E-Probes series

- ◆ Acoustic Amplifier Technology, to increase probe sensitivity and flexibility
- ◆ Single Crystal technology, increases bandwidth for a better signal to noise and penetration Volume Hybrid Probes, new generation of Volume transducers
- ◆ New Active Matrix transducers, for the greatest image quality and flexibility
- ◆ PinLess connectors, to increase further the ratio signal-to-noise
- ◆ Unique ergonomics with thinner footprint, light cables and new grips

Volume Navigation

- ◆ Easy, Quick and precise solutions from treatment planning to guidance and monitoring

- ◆ GPS, the exclusive tracking system in the patient anatomy
- ◆ Fusion Imaging to merge RealTime ultrasound with previously acquired CT, MRI, PET or US Volume Dataset. Tru3D to acquire 3D Dataset with any transducer
- ◆ Exclusive accuracy parameters and magnetic distortion check

Contrast Enhanced Ultrasound

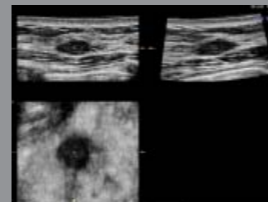
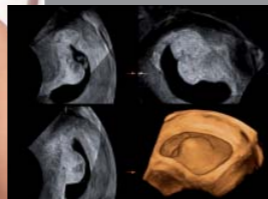
- ◆ New Amplitude Modulation Mode for an outstanding signal sensitivity and penetration
- ◆ Great performances in superficial, endocavitary, abdominal and sector probes Powerful
- ◆ Powerful quantification Package, with Log and Raw TIC
- ◆ Working in 2D, 3D, Volume Navigation Modes

ScanAssistant

the Customizable scanning Programs that automatically set up Imaging controls and Modes, Initiates and completes required measurements, Steers Doppler, Insert comments.

- ◆ Less keystrokes and more patient care
- ◆ Standardization of the scanning Protocols
- ◆ Exam consistency
- ◆ Productivity

Voluson.



A Trusted Name in Women's Healthcare

Clinicians and patients alike trust GE Voluson ultrasound systems. More than 15,000 systems are in use worldwide, imaging more than 15 million women each year. Thousands of articles and studies attest to the efficacy of Voluson's industry leading, Volume Ultrasound technologies. These powerful systems enable real-time techniques for acquiring, navigating and analyzing volumetric images – so you can make clinical decisions with unprecedented confidence.

Voluson 730 Pro V

Voluson 730 Pro

Voluson 730 Expert

Voluson E8

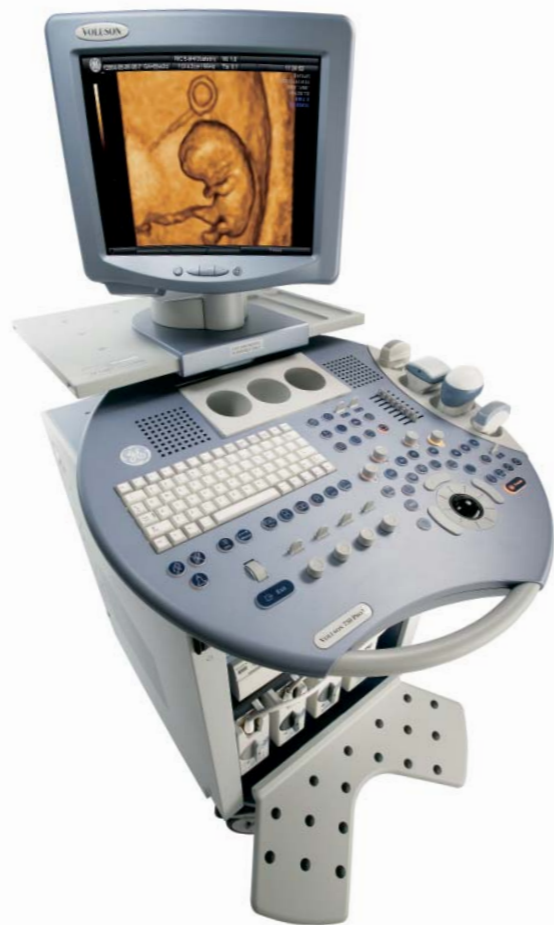
Voluson

Voluson 730 Pro V

Get started with real 4D surface rendering.

The Voluson 730 PRO V is ideally suited for OB/GYN practices looking to improve patient care through excellent 2D and 4D imaging.

- ◆ Realtime 4D
- ◆ High volume build-up rate including Curved ROI
- ◆ CrossXBeamCRI™ (CRI) for tissue and border differentiation
- ◆ Coded Harmonic Imaging to suppress side lobes and acoustic artifacts
- ◆ Highly sensitive spectral and color Doppler with digital elimination of wall motion interferences

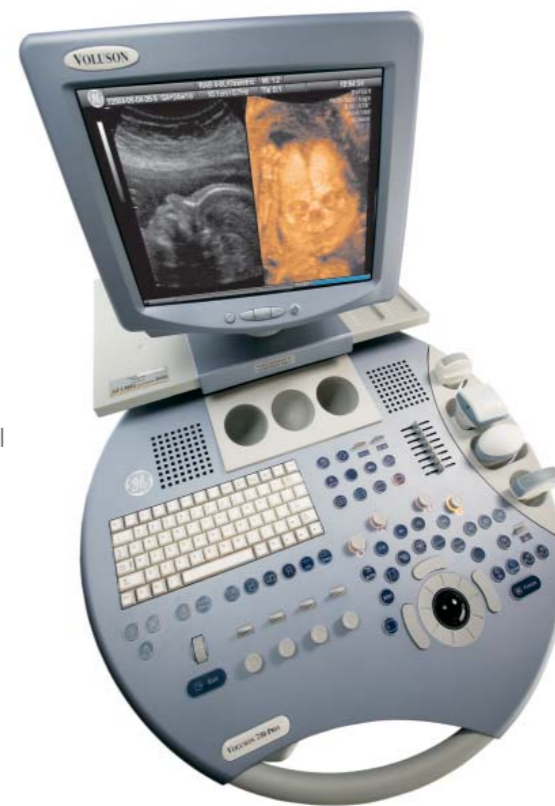


Voluson 730 Pro

The bestseller for gynecological and prenatal fine diagnosis.

The Voluson 730 PRO system expands the clinical utility of RealTime 4D imaging technology in gynecological and prenatal applications. By performing up to 25 volume scans per second, RealTime 4D imaging technology displays 3D ultrasound images as they happen, helping you visualize fetal movements and perform other diagnostic procedures.

- ◆ Speckle Reduction Imaging II (SRI II) and CrossXBeamCRI™ (CRI) for improved contrast resolution and border detection
- ◆ Realtime 4D
- ◆ High-definition zoom for excellent display of tiny structures
- ◆ Volume Contrast Imaging (VCI) for better tissue differentiation
- ◆ Tomographic Ultrasound Imaging (TUI) for simultaneous viewing of multiple slices of volume data



Voluson 730 Expert

The power of innovation.

The Voluson 730 Expert system lets you acquire and construct volumetric images in real time – up to 40 volumes per second. You can explore images in any plane, revealing the smallest details with stunning clarity – then apply so-phisticated analytical tools to answer virtually any clinical question. Volume Ultrasound improves your 2D imaging too, providing even greater diagnostic confidence in obstetric, gynecologic, breast and general imaging studies.

- ◆ Speckle Reduction Imaging II (SRI II) for greater visibility of organs and lesions through improved contrast resolution and border detection
- ◆ CrossXBeamCRI™ (CRI) for enhanced tissue and border differentiation.
- ◆ HD-Flow™ bi-directional power Doppler for more sensitive vascular study and reduced overwriting associated with standard color Doppler.
- ◆ Volume Contrast Imaging (VCI) for better assessment of size, margins and internal structures of lesions through maximized image quality in all three planes.



- ◆ Tomographic Ultrasound Imaging (TUI) for simultaneous viewing of multiple slices of a volume data set.
- ◆ Spatio-Temporal Image Correlation (STIC): Slow acquisition of the fetal heart with the option of displaying a full heart cycle in motion.

Voluson E8

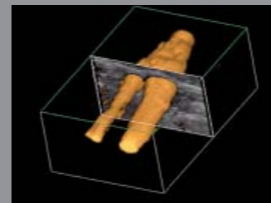
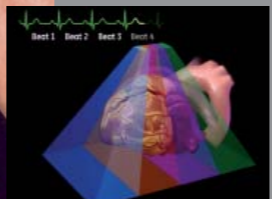
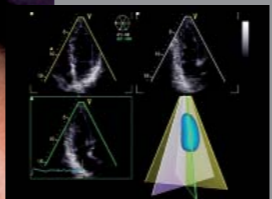
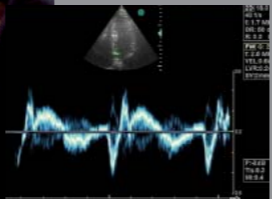
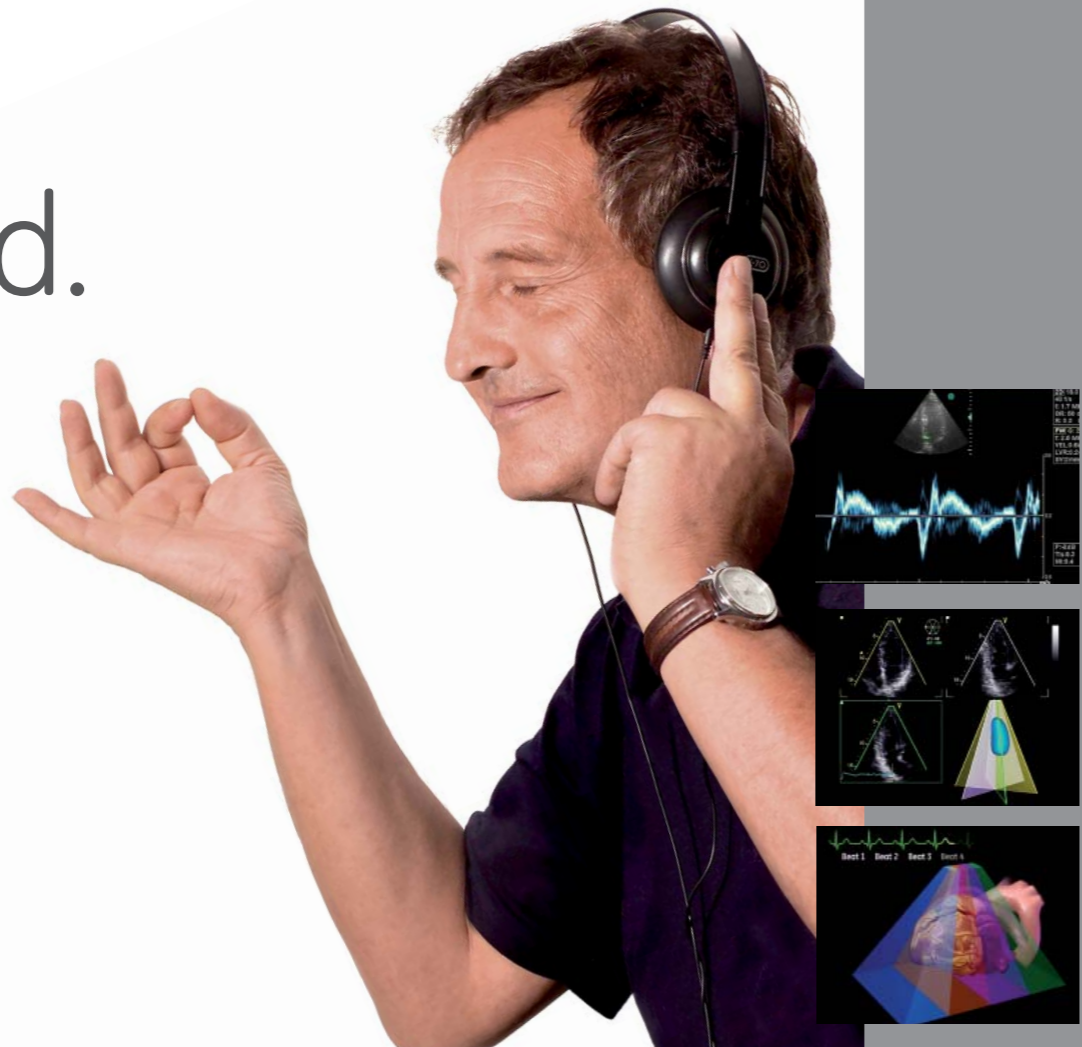
The future of ultrasound.

With an advanced-technology imaging platform, the Voluson E8 is a premier women's healthcare system that delivers a new level of image quality – and opens the door for imaging innovations to come. The system uses ground-breaking tools for earlier diagnoses. A revolutionary 4D transvaginal probe helps you see and detect fetal abnormalities earlier than ever, and significantly improves diagnostic confidence in complex GYN exams.

- ◆ Speckle Reduction Imaging III (SRI-III)
- ◆ CrossXBeam™ (CRI)
- ◆ HD-Flow™
- ◆ B-Flow
- ◆ Tomographic Ultrasound Imaging (TUI)
- ◆ Spatio-Temporal Image Correlation (STIC)
- ◆ Volume Contrast Imaging (VCI)
- ◆ SonoVCAD™ - Sonography based Volume Computer Aided Diagnosis
- ◆ Matrix array volume probes
- ◆ SonoAVC



Vivid.



The Heart of Innovation

Vivid is more than a family of ultrasound systems – it is a way of thinking and working. Since the first Vivid system, with its raw-data image quality and high frame rates, we've shown our commitment to cardiovascular ultrasound through annual breakthroughs. Continuous innovation helps you assess cardiovascular anatomy and LV function with more accuracy and diagnostic confidence – while boosting productivity.

Vivid S5

Vivid S6

Vivid 7 Dimension

Vivid E9

Vivid

Vivid S5

Signature Class. Ultrasound Designed for higher productivity.

It's a new design concept – one that leverages our miniaturization expertise gained from the Vivid i and our performance expertise of the console Vivid 7. The versatile Vivid S5 fits in a variety of clinical settings to deliver a strong performance and valuable diagnostic solutions. Now, everyone can benefit from an ultrasound system that fits even the smaller spaces and budgets.

We think that's really big.

- ◆ Live anatomical M-Mode (Option)
- ◆ 6 levels of harmonics on the 3S-RS
- ◆ Automatic Tissue and Spectrum Optimization (Option)
- ◆ Tissue Spectral Doppler
- ◆ LVO Contrast (Option)
- ◆ IMT – Intima Media Thickness Measurement (Option)
- ◆ Three probe connectors
- ◆ 15" high contrast, wide-angle monitor
- ◆ Integrated patient archive
- ◆ FlexKey



Vivid S6

Signature Class Ultrasound. Go with versatility.

Premium cardiac performance. Excellent image quality. Plus, accurate information and detailed analysis reporting. All the vital signs of a great cardiovascular system. The Vivid S6 adds a broad range of shared-service capabilities to its impressive imaging portfolio – including vascular, abdominal, pediatric/fetal, OB and OR applications. Enhanced compatibility and productivity tools improve your staff's efficiency – while the modular, ergonomic feel adds to their comfort. So everyone gets what they need most.

- ◆ 6 levels of Harmonics with Multiple foci control
- ◆ Speckle Reduction Imaging
- ◆ Live Anatomical M-Mode
- ◆ Adult and Pediatric TOE Probe
- ◆ Smart Stress Echo
- ◆ Tissue Velocity Imaging (TVI) & Tissue Tracking (TT)
- ◆ Advanced Tissue Synchronization Imaging (TSI)
- ◆ Automatic Tissue and Spectrum Optimization
- ◆ Tissue Spectral Doppler
- ◆ LVO Contrast
- ◆ IMT – Intima Media Thickness Measurement
- ◆ B-Flow and BFI
- ◆ Three probe connectors offer
- ◆ 17" high contrast wide-angle monitor
- ◆ Integrated Patient Archive
- ◆ FlexKey



Vivid 7 Dimension

4D echo for clinical prime time.

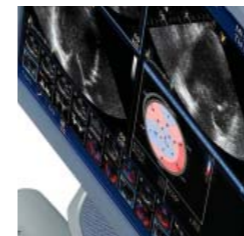
Vivid 7 is more than an ultrasound product. It's a way of thinking. A raw-data ultrasound platform that evolves. Renews. Improves. Year after year. Start with a system that's proven its worth in LV quantification and 4D imaging. Then add even more value through enhanced image quality, new breakthroughs and shared-service capabilities.

New Ultra-Definition Imaging combines image acquisition and processing technology to take imaging to the next level. We've also added new 4D visualization tools with Stereo and Depth Color Render maps to provide a better understanding of 4D anatomy and volume.



You can rely on Vivid 7's well-established platform day in and day out. It's a flexible system that easily handles upgrades and Breakthrough ultra-sound technology backed by proven clinical reliability.

You can depend on it.



- ◆ Actice Matrix Array Transducer
- ◆ UDI - Ultra Definition Imaging
- ◆ TruScan - RawData Architecture
- ◆ Ultra High Frame Rate Imaging
- ◆ 2D and 4D Harmonic Imaging
- ◆ Real Time Anatomical M-Mode
- ◆ Multidimensional & 4D Imaging
- ◆ BiPlane, TriPlane, Multiplane
- ◆ Real Time 4D Imaging
- ◆ Depth Color Render / Stereo Vision
- ◆ Real Time 4D Color Imaging
- ◆ 4D LV Volume Quantification
- ◆ AFI - Automated Function Imaging
- ◆ Strain / Strain Rate Imaging
- ◆ Contrast Imaging
- ◆ Advanced TSI - Tissue Synchronization Imaging
- ◆ B-Flow and Blood Flow Imaging
- ◆ Ultra High Resolution Flatscreen Monitor

Vivid E9

In a heart beat everything changes.

Ten years ago, GE acquired Diasonics Vingmed Ultrasound Ltd., creating the Vivid family of cardiovascular ultrasound products. The idea of even capturing a full-volume 4D cardiac image remained a fantasy.

Today Vivid E9 Capture the entire heart in a single beat. And break down the barriers to routine, day-to-day 4D imaging from acquisition to archiving. Featuring our new Accelerated Volume Architecture 4D platform with quantification tools, 4D Stress and advanced ergonomics. And one-touch ease of use that puts 4D effortlessly at your fingertips. Vivid E9 and the new M5S transducer takes the matrix array technology and marries this with single crystal technology to provide better endocardial definition, texture, and crisper valves across a wider range of frequencies than traditional transducers.



The future of cardiovascular ultrasound is here, today.



- ◆ Single Beat 4D Imaging
- ◆ AVA – Accelerated Volume Architecture
- ◆ 2D and 4D RawData Harmonic Imaging
- ◆ Single Crystal Active Matrix Array Transducer
- ◆ BiPlane, TriPlane, Multiplane
- ◆ 6-Slice / 9-Slice / 12-Slice
- ◆ 4D Color
- ◆ Depth Color Render / Stereo Vision
- ◆ Easy 4D – 4D LVQ/4D Views/4D Stress
- ◆ Flexi-Volumes
- ◆ Scan Assist
- ◆ UDI - Ultra Definition Imaging
- ◆ Ultra High Frame Rate Imaging
- ◆ Real Time Anatomical M-Mode
- ◆ AFI - Automated Function Imaging
- ◆ Strain / Strain Rate Imaging
- ◆ Contrast Imaging
- ◆ Advanced TSI - Tissue Synchronization Imaging
- ◆ B-Flow and Blood Flow Imaging
- ◆ Ultra High Resolution Flatscreen Monitor

Compact.



Miniature Systems that Pack Big Power

Using our miniaturized technology, GE helps you make pivotal patient care decisions anywhere – without compromise. We've taken industry-leading technologies from our LOGIQ and Voluson console systems and condensed them into portable laptop versions. Just pick one up and carry it – to wherever your patients need it.

Voluson *e*

Voluson *i*

Voluson HiRes

Voluson iVF

Vivid *e*

Vivid *i*

Vivid *q*

Vivid ICE

LOGIQ *e*

LOGIQ Book XP

Compact

Voluson *e*

Small in size. Huge in capability.

Compact Volume Ultrasound from GE Healthcare is a major breakthrough in diagnostic technology. The Voluson *e* compact system makes volume imaging available to an even wider range of practitioners. It brings unprecedented 2D image quality in a light, portable package that provides the flexibility to serve patients in any care setting.

- ◆ Speckle Reduction Imaging (SRI) for improved contrast resolution and border detection
- ◆ CrossXBeamCRI™ (CRI) for tissue and border differentiation
- ◆ RealTime 4D
- ◆ Docking cart
- ◆ Weight: less than 4.5 Kg
- ◆ Battery-operated, independent from main power supply



Voluson *i*

World's first compact Volume Ultrasound system.

The imaging performance of a full-sized Voluson system now comes in a powerful 5 kg package. The Voluson *i* comes loaded with Volume Ultrasound, enabled by 3D and 4D technologies, and integrated with sophisticated image optimization tools. You'll clearly see the smallest details from any plane with unprecedented clarity.

- ◆ Speckle Reduction Imaging (SRI) and CrossXBeamCRI™ (CRI) for improved contrast resolution and border detection
- ◆ Volume Contrast Imaging (VCI) for better tissue differentiation
- ◆ Tomographic Ultrasound Imaging (TUI) for simultaneous view of multiple slices of your volume data
- ◆ Weight: Less than 4.5 Kg
- ◆ Battery-operated, independent of main power supply
- ◆ Docking cart with three probe connectors option for maximum comfort when scanning



Voluson HiRes

Wherever your patient is.

Confident evaluations at an earlier stage are crucial to change your patient care and his quality of life. Early diagnosis, customized treatment planning, clear and confident treatment and interventional guidance, monitoring of the treatment efficacy paired with possibility to be closer to your patient, wherever he needs care. That's why the Voluson HiRes matches the highest performances in Image Quality, with enhanced vascular sensitivity and advanced image processing packages. The integrated Volume Package enables more comprehensive analysis of your Patient anatomy, including advanced quantifications to measure Volumes for treatment planning, guidance or monitoring.

- ◆ High standards in spatial and contrast resolution imaging
- ◆ Speckle Reduction Imaging and CrossXBeam
- ◆ High Definition Flow (HD-Flow)
- ◆ Easy Automatic acquisition, storing and Re-processing of Volume Dataset
- ◆ The extensive Quantification Package including VOCAL
- ◆ Volume Ultrasound

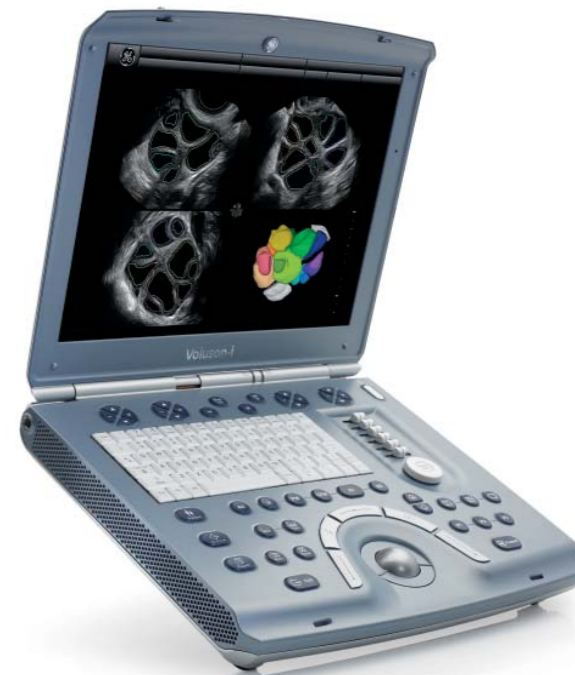


Voluson iVF

Fast. Easy. Accurate.

Confident evaluations and timing are everything when it comes to treating your infertility patients. That's why we make sure you have extraordinary vision to help evaluate uterine viability and perform follicle measurements. Use this data to assess fertility options to maximize your patient's potential success. Track follicle sizes and numbers more efficiently. And obtain reproducible data every time, in less time. The Voluson iVF empowers you with advancements in women's health ultrasound for assisted reproductive medicine so you can make clinical decisions with enhanced confidence.

- ◆ Automatically calculate the sizes and number of follicles with greater consistency using our proprietary Sonography-based Automated Volume Count (SonoAVC™) software.
- ◆ Perform complex gynecological exams and enhance diagnostic confidence in your highest-risk patients with the high resolution 4D endovaginal probe.
- ◆ Achieve a more sensitive vascular study with HD-Flow™, a bi-directional Doppler feature that reduces overwriting and increases sensitivity over conventional color Doppler.



VIVID *e*

Echo to go.

VIVID *e* delivers everything you need in a compact echocardiography system, like complete cardiovascular functionality, a comprehensive cardiac measurement and analysis package, and full shared-service capabilities. You can perform comprehensive diagnostic exams with the confidence-building image quality you expect from the Vivid product line.



- ♦ Easy-to-use, automatic image optimization
 - in 2D, color and Doppler imaging
 - instantly updates thousands of parameters with one keystroke for optimal scanning
- ♦ Anatomical M-Mode assists with off-axis orientation to make scanning easier
- ♦ Once you've acquired the data, a single press of a button stores images and loops to the onboard 40-GB hard drive so you avoid the delay of storing images to just a memory card

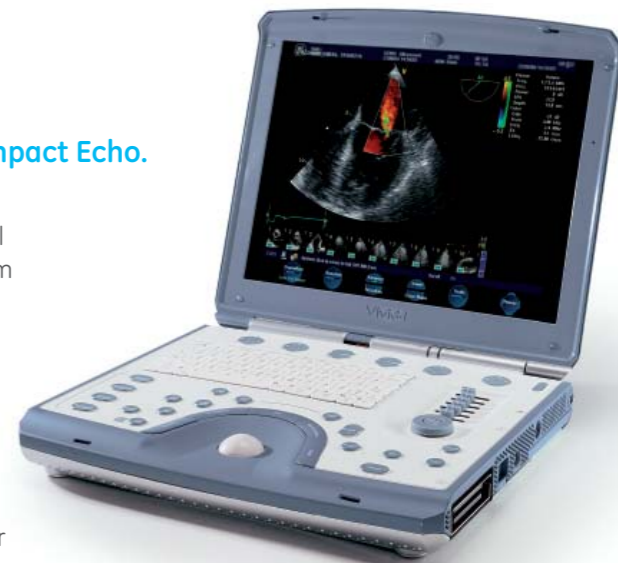
- ♦ Comprehensive connectivity options include wireless DICOM
- ♦ DVD, USB, VCR, printers and MPEGvue
- ♦ Weight: 4.6 kg

- ♦ Quick system boot-up and battery re-charge
- ♦ Stress Echo
- ♦ 3-probe connector docking cart

VIVID *i* BT09

Think big. The Gold Standard in Cardiovascular Compact Echo.

The incredible VIVID *i* system establishes a completely new level of cardio-vascular performance that gives clinicians the freedom to get diagnostic results outside of the echo lab. The Vivid *i* is a high-performance, battery-operated, ultra-portable diagnostic Ultrasound systems providing superb raw-data image quality for cardiac and vascular imaging. The Vivid *i* is designed for cardio-vascular imaging, abdominal, small-parts, perioperative monitoring and 2D ICE imaging. New breakthroughs, like *i*² Performance Package Option, now let you assess LV function and cardiac performance more clearly and effectively than ever before.



- ♦ Phased-array transducer technology
- ♦ Extremely high frame rates
- ♦ 5 levels of Harmonics with Multiple foci control
- ♦ Live Anatomical M-Mode
- ♦ Adult and Pediatric TOE Probe
- ♦ ICE - Intracardiac Echo - 10F AcuNav Transducer

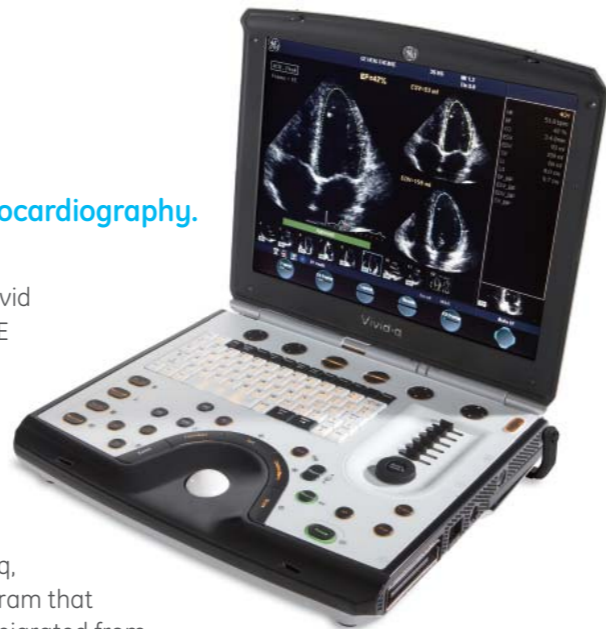
- ♦ Smart Stress Echo
- ♦ Tissue Velocity Imaging (TVI) & Tissue Tracking (TT)
- ♦ Advanced Tissue Synchronization Imaging (TSI)
- ♦ Automatic Tissue and Spectrum Optimization

- ♦ Tissue Spectral Doppler
- ♦ LVO Contrast
- ♦ IMT - Intima Media Thickness Measurement
- ♦ B-Flow and BFI
- ♦ Integrated Patient Archive

VIVID q

Quantification to go. A new milestone in compact echocardiography.

This year, GE announced the delivery of the 5,000th unit in the Vivid compact ultrasound family, long anchored by the Vivid i. Now, GE engineers have taken the advanced features of Vivid i and expanded them with enhanced exceptional imaging and new quantification tools. The result is the all-new Vivid q cardiovascular ultrasound system, a new milestone in portable echocardiography. The Vivid q features a host of new image quality enhancements migrated from the Vivid 7 including the M4S transducer. Designed specifically for the Vivid q, AutoEF is a new automated ejection fraction measurement program that works alongside the AFI (Automated Function Imaging) feature, migrated from Vivid 7.



- ◆ Active Matrix Array transducer technology
- ◆ AutoEF - Automated Ejection Fraction
- ◆ AFI - Automated Function Imaging
- ◆ Extremely high frame rates
- ◆ 5 levels of Harmonics with Multiple foci control
- ◆ Live Anatomical M-Mode
- ◆ Adult and Pediatric TOE Probe

- ◆ ICE – Intracardiac Echo – 10F AcuNav Transducer
- ◆ Smart Stress Echo
- ◆ Tissue Velocity Imaging (TVI) & Tissue Tracking (TT)
- ◆ Advanced Tissue Synchronization Imaging (TSI)

- ◆ Automatic Tissue and Spectrum Optimization
- ◆ Tissue Spectral Doppler
- ◆ LVO Contrast
- ◆ IMT – Intima Media Thickness Measurement
- ◆ B-Flow and BFI
- ◆ Integrated Patient Archive

VIVID ICE

ICE – Intracardiac Echo.

Navigate complex interventional and EP procedures with confidence with the industry's leading ICE (Intra-Cardiac Echo) real-time image-guidance technology – always available right in your lab – now on Vivid q and Vivid i BT09 cardiovascular ultrasound systems.



- ◆ Phased Array transducer technology
- ◆ 4.5 to 11.4 MHz Broadband Frequency
- ◆ 10 Fr (3.3 mm dia.), 90 cm long
- ◆ 2 planes of bi-directional - steering anterior/posterior - left/right
- ◆ - 160 degree, for precise positioning

- ◆ 2-D Imaging
- ◆ Color Doppler, Spectral Doppler
- ◆ Tissue Velocity Imaging (TVI)
- ◆ Tissue Tracking
- ◆ Tissue Synchronization Imaging (TSI)

LOGIQ *e*

Expert Ultrasound - Made Easy.

The LOGIQ *e* compact system gives you best-in-class image quality for comprehensive imaging studies including diagnostic and image-guided procedures. You get on-board image storage and time-saving features for emergencies – everything you need in an easy-to use package that fits in your hands and goes anywhere.

- ◆ B-mode image, PW Doppler and color coding
- ◆ TruScan raw data processing with retrospective adjustment of B-mode image and Doppler parameters
- ◆ Automatic adaptation of device settings to the exam environment
- ◆ Dedicated user interface and user presets for special clinical use
- ◆ Weight: Less than 4.5 Kg
- ◆ Battery-operated, independent of main power supply
- ◆ Internal image archiving or via wireless LAN



LOGIQBook XP

LOGIQBook XP enhanced.

For routine sonography or color Doppler, your LOGIQBook XP is always ready for action. In your office (or the laboratory) in the OR, during ward rounds or at the bedsides of non-transportable patients – wherever ultrasound examination is key to proper patient management where decisions are time critical, and wherever the ‘visual medicine’ and ‘advanced guidance’ approach can help you execute an intervention or a surgical procedure faster and more accurately.

- ◆ B-mode image, PW Doppler and color coding
- ◆ TruScan raw data processing with retrospective adjustment of B-mode image and Doppler parameters
- ◆ Automatic adaptation of device settings to the exam environment
- ◆ Quick boot-up time for effective point of care U/S
- ◆ Weight: Less than 4.5 Kg
- ◆ Battery-operated, therefore independent of mains supply
- ◆ Internal image archiving or via wireless LAN



Calling Ultrasound Healthcare Professionals – Join Our Network

At GE Healthcare we understand that staying ahead in your profession goes beyond investing in state-of-the-art ultrasound equipment. It involves staying informed about the latest scientific breakthroughs in your field, building professional networks amongst your peers, and keeping abreast of best practices in your field.

When you invest in ultrasound equipment from GE Healthcare you are automatically eligible to join one of the three GE communities of ultrasound professionals: **VolusonClub**, **LOGIQClub** and the **VividClub** are networks of healthcare professionals, each dedicated to clinical excellence in ultrasound diagnostics in the fields of OB/Gyn, radiology and cardiology. Membership is free and all club benefits are available to members free of charge.

Club benefits include clinical courses and lectures run by luminaries in your field and special events hosted by GE during international congresses, giving you the chance to discuss and exchange information with fellow ultrasound professionals worldwide. Add to this the three dedicated club websites - providing exclusive access to clinical news, publications and regular news-letters, product updates and special offers - and the benefits are clear.

We look forward to welcoming you.



www.volusonclub.net

www.vividechoclub.net

www.logiqclub.net

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GE imagination at work