


GE Medical Systems Ultrasound

LOGIQ 5 PRO

TruScan Imaging
Technology



GE imagination at work 



LOGIQ 5 PRO, setting the pace in ultrasound

With the introduction of the new LOGIQ 5 PRO – GE Medical Systems has expanded the new product line, based on the well established TruScan architecture.

The LOGIQ 5 PRO draws upon GE's Break-through technologies to deliver consistently excellent image quality, ease of use and access to advanced applications for the future.

As a result, the LOGIQ 5 PRO addresses your need for diagnostic confidence, and offers excellent image quality for highest demands. Based on leadership product technology the LOGIQ 5 PRO creates an entire new class of ultrasound, combining cost-efficiency and highest level of quality in a challenging clinical environment.

The new LOGIQ 5 PRO supports among others, OB/GYN, radiology, cardiology, small parts, vascular, pediatric, and urology applications to secure best investment protection for the future.

The LOGIQ 5 PRO delivers the diagnostic level you have been looking for.



One global team to meet your needs.

In ultrasound, the highest priority is given to diagnostic confidence, in other words, to the reliability and accuracy of the displayed image data. That's why the LOGIQ 5 PRO comes with a high-precision digital beamformer to provide unsurpassed image quality, and to ensure uniform resolution over the entire field of view. Besides that the LOGIQ 5 PRO delivers the comfort and ergonomics, which supports easy and fast exams, in order to let you focus on your patients.

- 15-inch high res Monitor
- Easy navigation with Toggle keys
- Integrated mode and gain controls
- Interactive backlit keyboard / single hand operation
- Archive capabilities
- Smart Transducer cable management
- Onboard storage of all peripherals

Annual Breakthrough

LOGIQ 5 PRO is another good example of GE's commitment to keep our customers on the forefront of ultrasound technology. By introducing new products, such as the LOGIQ 5 PRO we ensure to expedite latest computational power to leverage more and advanced applications.

Committed to our philosophy we do have annual Breakthroughs which are clearly defined and prove that they:

- Are demonstrable in images
- Solve clinical relevant problems
- Have broad clinical applications

With GE's Continuum strategy the LOGIQ platform is upgradeable for your investment protection.

GE is committed to globalization thus the LOGIQ 5 PRO is developed by a global team to meet world wide highest expectations.





TruScan Architecture



ComfortScan

SmartScan

TruAccess

SmartScan

This comprehensive software suite supports processing techniques and advanced clinical applications.

- LOGIQView
- Easy 3D
- Advanced 3D
- Anatomical M-Mode
- Virtual convex
- AO (Automatic optimization of B, and Pulse Wave Mode)
- Dicom 3
- Image management on hard drive, MOD, and CD-R

Based on ultimate computational power the LOGIQ 5 PRO features an exclusive way to acquire and view ultrasound images. Moreover it offers to apply live scan techniques to already stored images, in order to view or even manipulate them long after the patient leaves the office. The onscreen clipboard gives quick access to images saved while scanning and allows you to store them permanently for further investigations. The LOGIQ 5 PRO system delivers a wide range of superb innovative technologies to increase your efficiency and to give you the time to focus on your patients care.

TruAccess

Understanding the needs of ultrasound customers, leads to the best solution: TruAccess. This GE exclusive technique which captures images in their original fidelity (Raw data), helps to avoid time consuming adjustments of image parameters while scanning and reduces operator dependency between different users. Almost all parameters can be optimized after the initial scanning in order to optimize image quality and to improve workflow. These images can be stored in a Dicom compliant format to share information with other scanners or workstations such as GE's unique LOGIQworks.

Setting a new standard in ergonomics and flexibility

ComfortScan

Based on inputs of ultrasound users and their clinical environment the LOGIQ 5 PRO ergonomical design addresses all clinical needs with a variety of GE exclusive solutions.

- 15inch high resolution flickerfree monitor
- Quick access rotary knobs displayed on the monitor
- Intergrated mode and gain controls
- Onboard printer storage devices
- Single hand operation
- 3 active probe ports
- Common user interface across the entire LOGIQ line series.

- Overall B-Mode gain and dynamic range
- Overall Dopplergain, baseline shift, sweep speed, and invert spectral Wave form
- 3D processing and reconstruction from a stored cine loop
- Combine TruAccess and Dicom standard to expand diagnostic flexibility and data management.



Note the good axial and temporal resolution of the color Doppler in this Saphena vein



High frequency transducer showing a small common carotid artery stenosis



Excellent detail and contrast resolution imaging the fetal face in the 24 week of pregnancy



Displaying the benefits of LOGIQView imaging a large mass in the upper leg



Cystic clearance displayed in this Baker's cyst



Excellent image uniformity and texture differentiation demonstrated in this renal cyst

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.

No matter what challenges your healthcare systems faces, you can always count on GE to help you deliver care of the highest quality.

Ask your GE representative or visit our website for details today.



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GE Medical Systems – USA:
4855WElectric Avenue, Milwaukee, WI 53215
Fax: (+1) 262 544-3384

GE Medical Systems – Asia:
Tokyo, Japan – Fax: (+81) 3-3223-8524
Shanghai, China – Fax: (+86) 21-5208-0582

GE Medical Systems – Europe:
Beethovenstr. 239 – D-42655 Solingen, Germany
Fax: (+49) 212 2802-28, Tel: (+49) 212 2802-0
www.gemedicalsystemseurope.com

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