

GLOBAL INNOVATION
BY DESIGN

For over 130 years Toshiba's research and development has improved the health and welfare of people around the world.

Today, Toshiba Medical Systems offers a full range of diagnostic imaging products and is a reliable service partner in more than 110 countries.

In accordance with our **Made for Life™** commitment, we will continue to develop innovations that improve patient care and provide lasting quality for a lifetime of value.

TOSHIBA - A HISTORY
OF LEADERSHIP

- 1875 Founding of Toshiba
- 1915 First X-ray tube
- 1966 First diagnostic ultrasound system
- 1973 First real-time echocardiograph
- 1983 First laptop PC
- 1985 First color Doppler system
- 1989 First helical CT scanner
- 1993 First fully digital ultrasound system
- 1997 First open, superconducting magnet
- 2003 First 64-slice CT scanner
- 2004 F&S Technology of the Year award
- 2007 World's first Dynamic Volume CT scanner Aquilion ONE™
- 2008 Shipment of the 200,000th ultrasound unit
- 2009 First premium handcarried ultrasound system Viamo™



Viamo
performance to go



TOSHIBA MEDICAL SYSTEMS CORPORATION
<http://www.toshibamedicalsystems.com>

©Toshiba Medical Systems Corporation 2009–2011 all rights reserved.
Design and specifications are subject to change without notice.
Model number: SSA-640A MCAUS0194EAA 2011-01 TME/TMSE/D

Toshiba Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.

Toshiba Medical Systems Corporation Nasu Operations meets the Environmental Management System standard, ISO 14001.

"Made for Life", Aplio, ApliPure, MicroPure, TissuePure, Pulse Subtraction, TwinView, Viamo and Aquilion ONE are trademarks of Toshiba Medical Systems Corporation.

Printed in Europe



Performance to go.

Unrestricted access to the point of care is important. But can you really afford to compromise on diagnostic accuracy or clinical workflow? Well, now you don't have to. Finally there is a solution that combines uncompromised image quality and productivity with full portability. The Viamo™ premium portable ultrasound system.

Viamo provides outstanding clinical performance backed by a host of unique, clinically validated technologies. Its full range of high-performance imaging functions lets you visualize minute tissue details and vascular structures with precision for a faster, more accurate diagnosis. Advanced imaging functions such as Pulse Subtraction THI come standard with Viamo.

The system's built-in touch screen allows for seamless workflow and outstandingly comfortable and intuitive operation. Viamo's monitor can be rotated to enable free positioning of the screen. Individual key functions on Viamo's console and touch screen are user programmable to suit your specific diagnostic requirements and personal preferences.

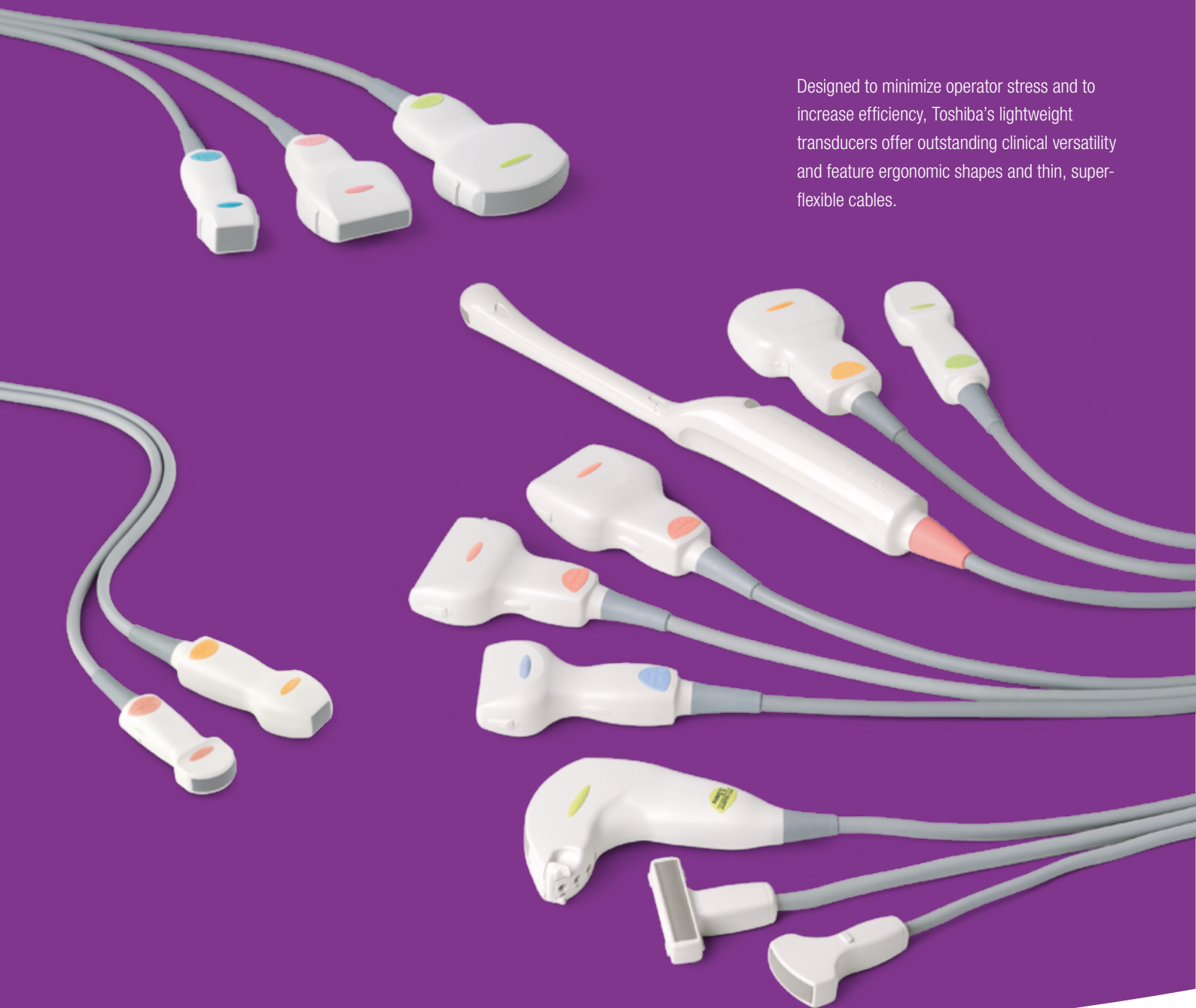
A whole range of workflow automation functions is available on Viamo. One-touch QuickScan for instance helps you achieve better imaging results in less time by automatically optimizing your imaging parameters. And Viamo's innovative SonoSet function allows you to carry out examinations conveniently by simply executing freely programmable protocols step by step.

The battery-powered system is operational within just a few seconds when opened, making it instantaneously available also in critical situations. Its height-adjustable pole cart is extremely slim and easy to manoeuvre. With full DICOM connectivity and IHE compliance, Viamo integrates seamlessly into virtually any networked clinical environment.

Portability without compromise.

Viamo combines all the advantages of a portable ultrasound system with the diagnostic precision, productivity and comfort of a premium cart-based machine. Sharing its core imaging engine and transducer technology with the Aplio™ series, Viamo offers uncompromized image quality and clinical workflow support in situations where unlimited portability is required.

Designed to minimize operator stress and to increase efficiency, Toshiba's lightweight transducers offer outstanding clinical versatility and feature ergonomic shapes and thin, super-flexible cables.



Viamo connects a wide selection of standard and specialty transducers delivering superb image quality and responding with outstanding versatility to the broadest range of clinical applications.

Pulse Subtraction™ Tissue Harmonics provides you with supreme detail resolution and imaging contrast on all transducers and for all supported clinical applications.

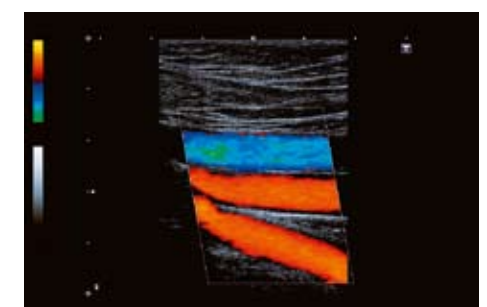
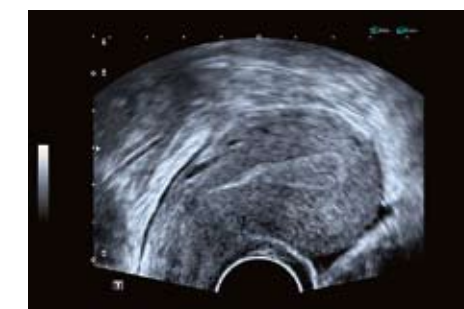
Viamo's unique TissuePure™ image enhancement technology reduces speckle noise while improving the visibility and continuity of structures. TissuePure enables you to perform advanced exams with greater image definition and clinical accuracy without compromising on patient access.

TwinView™ allows you to simultaneously assess and compare structural information in B-mode and hemodynamics in color Doppler or Power ADF.

ApliPure™ real-time compounding delivers ultrasonic images of outstanding clarity and detail in all modes, while preserving clinically significant markers. ApliPure+ further enhances image smoothness and detail delineation to an unrivalled level of performance. Both techniques can be combined with other imaging modes, such as color or spectral Doppler for even greater uniformity within each application.

Viamo's 40 cm maximum depth setting allows you to image even the toughest of patients.

Directional Power ADF adds superior spatial resolution and low angle dependency to color Doppler and reveals minute vasculature with unprecedented accuracy and detail. Trapezoid Imaging extends your field of view for a better overview of the region of interest in both grayscale and color Doppler modes.





Whether you need to carry out a scan in an acute care setting or bedside, in the OR or in a remote location, as a full-fledged ultrasound system, Viamo is ideally suited for all clinical applications where portability or space is an issue but diagnostic quality cannot be compromised.

Viamo's one-touch QuickScan function helps you achieve greater workflow consistency in less time. With a simple push of a button, you can automatically optimise image quality in 2D and spectral Doppler modes with acoustic precision while suppressing white noise in echo-weak regions.

To give you the best in image quality and clinical versatility, Viamo shares its transducers with our premium cart-based range of diagnostic ultrasound systems. All standard transducers are equipped with compact connectors that can be attached to the system directly or via its external probe switch.

Viamo allows you also to share specialty transducers with one of our premium cart-based systems through a full-size probe connector which is available for Viamo's pole cart. This option helps you maximize your diagnostic potential while minimizing your investment into specialty transducers

Viamo's SonoSet function lets you carry out routine exams step by step by executing freely programmable protocols simply at the touch of a button. SonoSet can also combine multiple operations into a single keystroke. This unique tool can make standard scans easier and a lot faster.

Viamo integrates seamlessly into your clinical workflow by allowing you to fully document studies and procedures in DICOM format, also in remote locations. For even faster operation and ultimate data security you can now upgrade the system's integrated hard disk drive to SSD solid state drive.

Innovation you can touch.

Viamo combines premium imaging performance in a portable laptop system with a revolutionary, fully programmable touch screen user interface. It gives you direct access to a matchless host of imaging, quantification and workflow functions anyplace you need it.



Viamo's monitor can be tilted and rotated for better viewing and improved accessibility. When turned and folded flat, Viamo can be fully operated via its touch screen.

Give it your personal touch.

Viamo's touch panel allows you to operate the system conveniently and with ease. Virtually all controls on the touch screen as well as on the console are freely programmable to suit your individual requirements and preferences.

Viamo's concise graphical user interface is divided into three zones: the control area, the navigation area and the extensive imaging area. This helps you to remain focused and to leverage the full diagnostic potential of the system at all times.



1. Control area



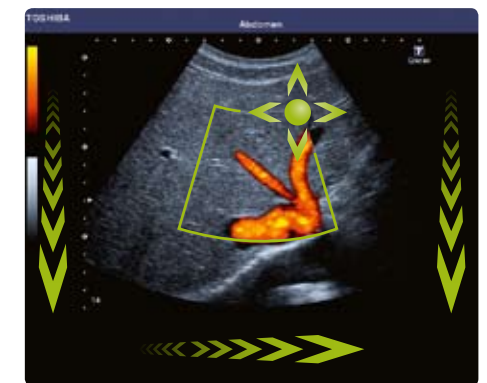
This user-programmable area holds all keys for the basic imaging and display modes as well as a thumbnail display with direct access to the onboard Exam Review function. In tablet mode it also contains the storage, freeze and trackball functions.

2. Navigation area



This mode-sensitive area provides you with easy access to all system settings, measurements, body marks and annotations. Also advanced functions such as the innovative SonoSet workflow navigator are operated from here.

3. Imaging area



Viamo's pioneering Direct Touch technology allows you to adjust parameters such as gain, depth, focus or scale, as well as ROI size and position simply by sliding with your finger over the system's extensive imaging area.

Productivity unlimited.

From imaging to quantification, from reporting to archiving, Viamo provides a full spectrum solution that helps you manage on-site and remote clinical studies more efficiently. And what's more: all function can be accessed easily and conveniently via the touch screen.



Viamo is equipped with a full-featured patient and image management system (PIMS) with plenty of on-board storage capacity, full DICOM connectivity and comprehensive export functionality.



Exam Review allows you to review and compare images and clips acquired in the current or previous study in full resolution, next to each other or in multiple frames directly on the system.



With Viamo you can export your selection of clinical images as digital report sheets in PDF format to a USB memory stick – a convenient way to share results digitally with external partners.

Premium performance anyplace you need it.

Viamo is battery-powered and operational within just a few seconds, making it instantaneously available also in critical situations.

Viamo is securely fixed to the cart with four steel brackets and easily detached with its central release lock.

Viamo's pole cart is height-adjustable to provide an ergonomic work environment in virtually any situation.



A Kensington cable lock slot is located at the rear of the main unit to help you protect your property against theft.

The electronic transducer switch enables you to connect transducers with both slim and standard size connectors to Viamo.

The cart's five-wheel design ensures hassle-free transportation of the system also on uneven floors or across small steps, for example at elevator doors.

Portability options



Viamo's height-adjustable pole cart is extremely slim and easy to manoeuvre.



Its retractable handle allows you to hand-carry Viamo conveniently wherever you go.



A premium suitcase is available for secure transportation.



Connect to a world of difference.

Toshiba's promise is simple: As a world leader, we make the extra effort to provide you with solutions that are efficient and versatile. We are reliable partners in helping you drive down costs while improving the quality of patient care.

Our comprehensive service network offers professional support and a full range of service options to help you maximize performance and control expenses.

We take a hands-on approach to education so that you will always get the best from Toshiba technology.

We provide a variety of financing options so you can take advantage of premium medical imaging equipment instantly.

As with all our products, Viamo is designed and manufactured to meet the highest standards of reliability and environmental friendliness.

Toshiba - a partner you can rely on. Always.

