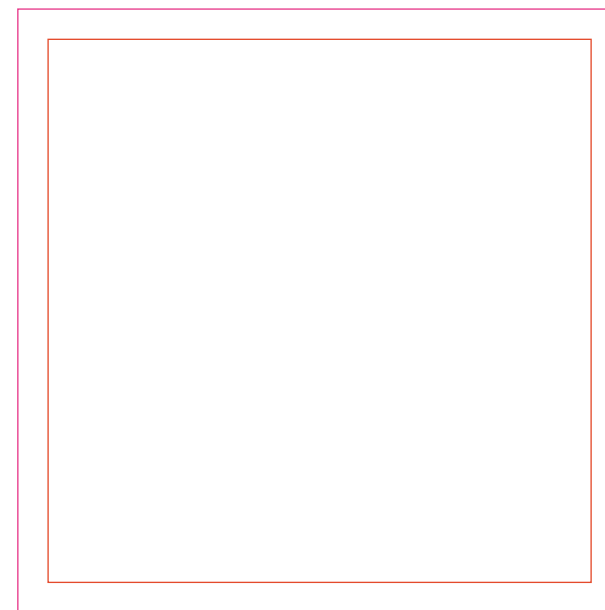
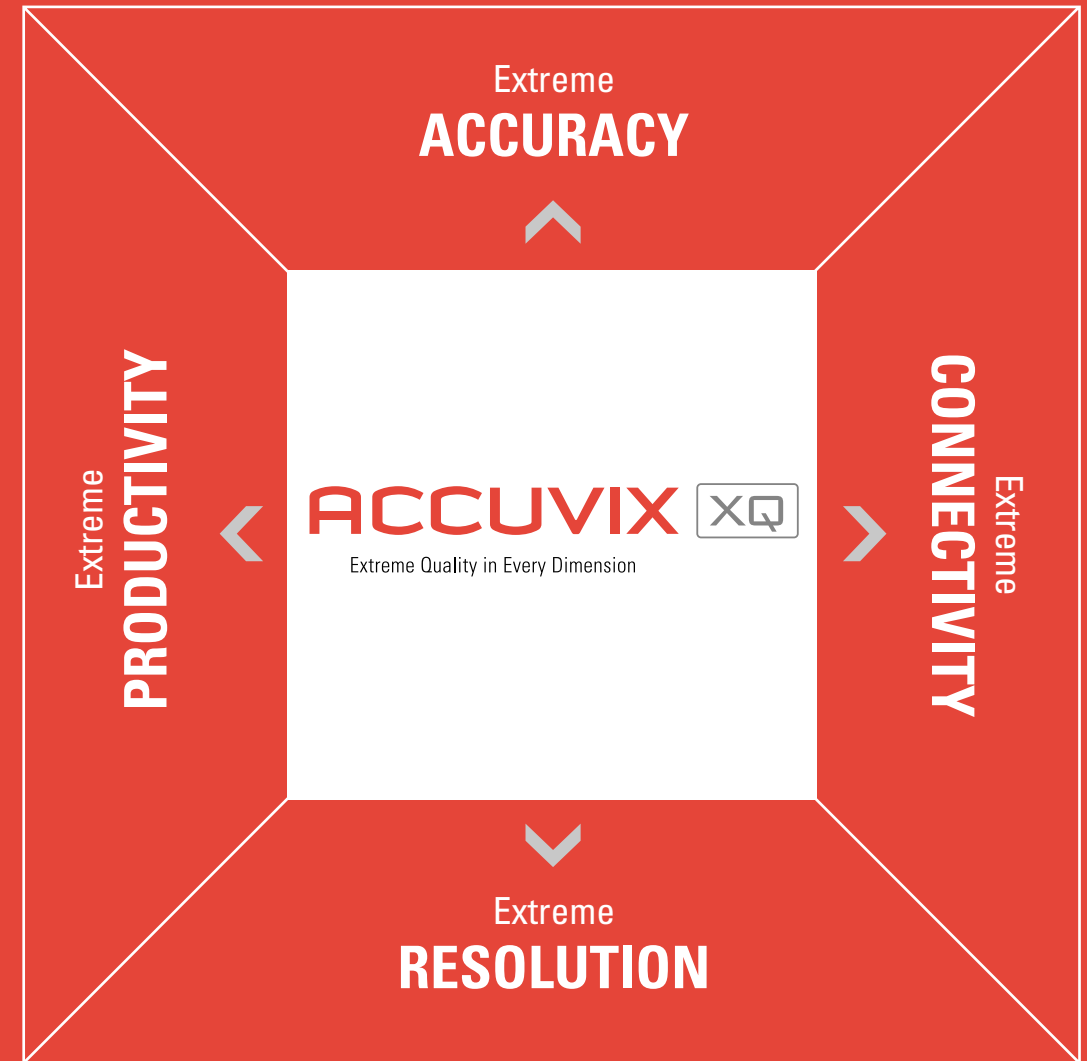
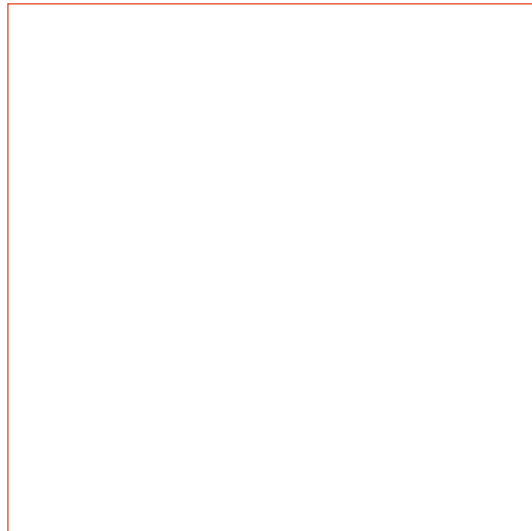


ACCUVIX XQ
Extreme Quality in Every Dimension

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* Indicates feature in development. Some equipment and software mentioned or shown in this brochure may be optional in certain markets.
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Welcome to the Accuvix XQ, the flagship of a whole new family of premium 3D ultrasound systems. Designed to set the clinical standard for real-time 2D and 3D imaging performance without compromises, the Accuvix XQ redefines the state-of-the-art in quantitative ultrasound imaging, delivering extreme quality in every dimension.



Extreme
ACCURACY

Extreme
RESOLUTION

Extreme
PRODUCTIVITY

Extreme
CONNECTIVITY

ACCUVIX XQ

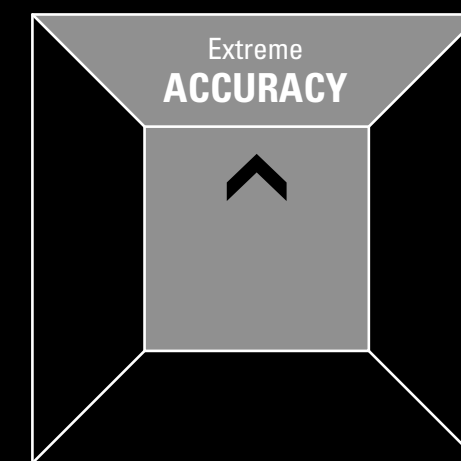
Extreme Quality in Every Dimension

It takes superior technology to deliver superior results. The Accuvix XQ uses cutting-edge imaging techniques like FullSpectrum™ frequency compounding and ElastoScan™ elastography to produce images with superior contrast, resolution, and sensitivity—all qualities that will bring new clarity and confidence to your diagnoses.

Real-time 3D ultrasound systems have often been faulted for delivering pretty surface-rendered images and not much else. The Accuvix XQ uses our next-generation Live 3D™ imaging technology with Optimal Volume Resolution™ to precisely capture and reconstruct anatomy volume data in real-time with superior resolution. In other words, it delivers accurate, quantifiable clinical data that will give your diagnoses a whole new dimension of confidence.

Conventional wisdom suggests that more imaging power requires more complexity. The Accuvix XQ brings together some of the world's most-advanced 3D ultrasound imaging capabilities in a remarkably user-friendly system. From the intuitive control interface layout to the industry-first dedicated 3D Smart Controller and powerful SonoView™ II image management application, this is a system designed to get more work done with less effort.

Networking is the enabling technology behind the patient information management revolution. The Accuvix XQ is built on a Windows® 2000 platform that supports the widest possible range of connectivity options. Whether it is a multi-hospital PACS or a simple office network with PCs running our SonoView™ Pro image management solution, this is a system that seamlessly integrates into collaborative workflows of all sizes.



Leaving nothing to the imagination.

Although 3D ultrasound systems have been on the market since the mid-1990s, finding a real-time system with best-of-class performance in both the 2D and 3D realms has proven to be a challenge. The conventional wisdom was that you had to accept inferior 2D resolution—and less diagnostic information—to gain the benefits of real-time 3D performance. Until now, that is.

The Accuvix XQ delivers true real-time 3D performance without 2D compromises. It is the first premium ultrasound system to support powerful new imaging techniques like FullSpectrum™ frequency compounding and ElastoScan™ elastography. The result is exceptionally accurate 2D diagnostic images with superior contrast, resolution, and sensitivity that will bring a whole new level of clarity and confidence to your diagnoses. And leave nothing to the imagination.

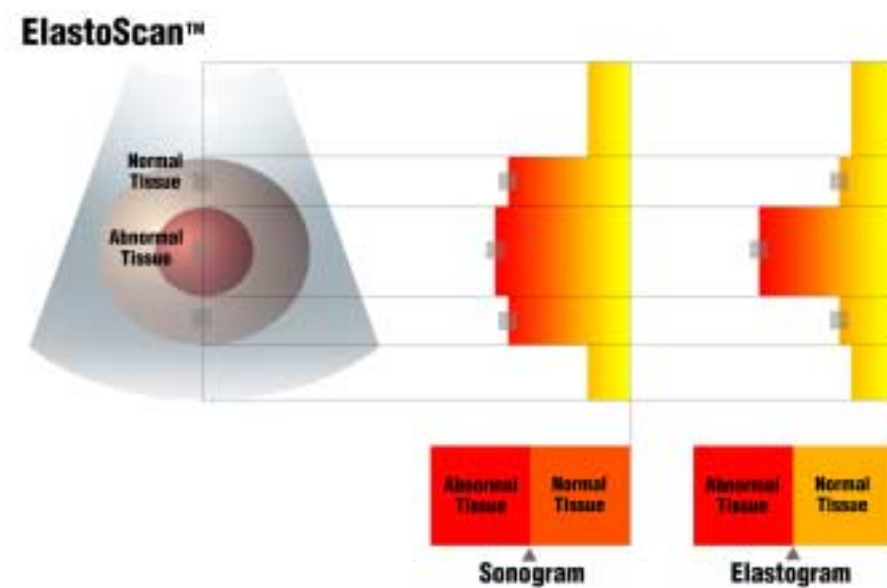


The Accuvix XQ delivers exceptionally accurate 2D images for a whole new level of clarity and confidence.

From the very beginning, one of the key design objectives for the Accuvix XQ was to create a next-generation 3D ultrasound platform that would also set the benchmark for 2D imaging performance. Focusing on the three critical qualitative standards of contrast, resolution, and sensitivity, the Accuvix XQ introduces a suite of state-of-the-art 2D imaging techniques that clearly take diagnostic ultrasound accuracy into the next dimension.

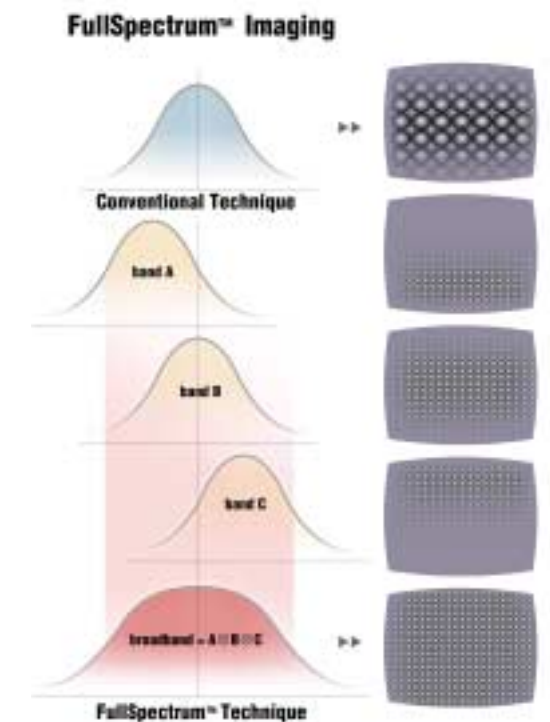
Introducing ElastoScan™ Elastography

The Accuvix XQ is the world's first ultrasound system to offer elastogram capability. Elastography is a new diagnostic ultrasound technique that enables imaging of cancerous tumors and diffuse diseases that would normally go undetected in conventional studies. It works based on the fact that softer normal tissues deform more than harder cancerous ones when an external pressure is applied. By scanning the tissue normally and under slight compression and then comparing the differences between the sonograms, the Accuvix XQ creates an elastogram in which the soft tissues are lighter and hard tissues are darker.



Superior Contrast

In conventional ultrasound imaging, contrast resolution suffers due to limited signal bandwidth. The Accuvix XQ addresses this challenge with FullSpectrum™ imaging, a breakthrough broadband frequency compounding technique that combines ultrasound information from multiple frequency bands to dramatically reduce speckle and other artifacts. The result is superior images with consistent contrast across the entire field of view and significantly better penetration in difficult-to-view patients.



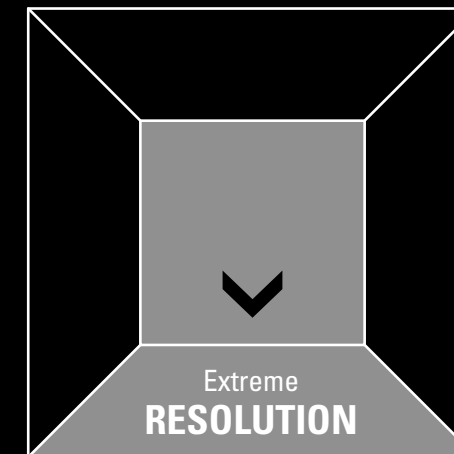
Superior Resolution

High-resolution 2D imaging is another task the Accuvix XQ excels at. Our high-density lateral imaging technology effectively doubles resolution, working together with our FINE™ noise reduction and edge enhancement filtering to reduce speckle, enhance boundary delineation, and maintain full resolution when zooming.

Superior Sensitivity

The Accuvix XQ has extremely sensitive color Doppler and power Doppler imaging modes for highly accurate blood flow and velocity analysis. Both of these modes feature our advanced ColorEdge™ processing to ensure a sharper, smoother composite display of the color- and B-mode images.





Imaging that speaks volumes.

In 1997, we introduced the world's first true 3D ultrasound platform, pioneering the Live 3D™ real-time imaging technology that brought diagnostic ultrasound imaging into the third dimension. While we are no longer the only manufacturer in the 3D ultrasound market, we are still on the leading edge of the revolution we started.

The Accuvix XQ represents the next step in the evolution of 3D diagnostic imaging.

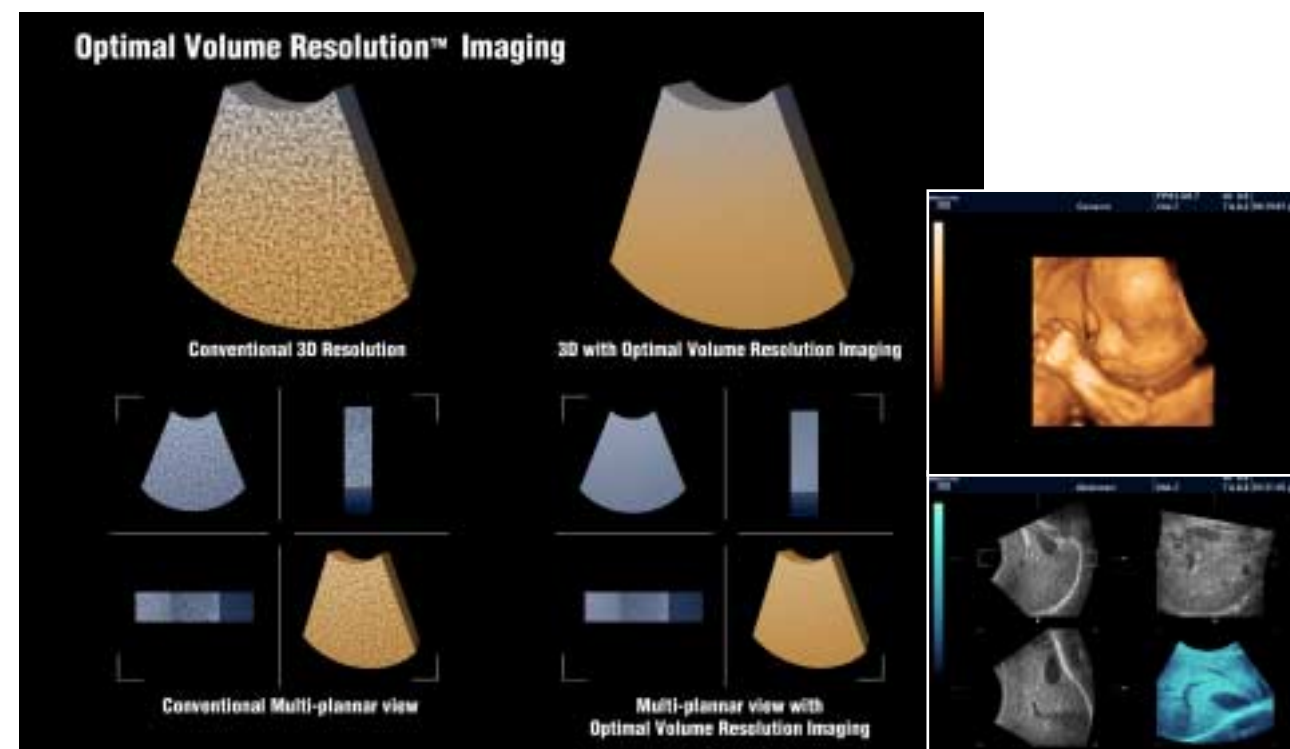
Powered by Live 3D™ with Optimal Volume Resolution™, our next-generation rendering engine that delivers extremely high volume resolution with unprecedented control over real-time performance, the Accuvix platform delivers the most detailed and accurate imaging of the human anatomy 3D ultrasound has ever attained. And the resulting clinical images speak volumes.

The Accuvix platform delivers the most detailed and accurate imaging of the human anatomy 3D ultrasound has ever attained.

As real-time 3D ultrasound imaging continues to move into the mainstream, clinical professionals are demanding more than just pretty surface-rendered images and standard-resolution volume rates. The Accuvix XQ raises the standard for 3D imaging with responsive, high-resolution quantitative volume data capture, visualization, and analysis that will bring greater precision and confidence to any diagnostic or interventional application.

Superior Resolution

The Accuvix XQ is powered by our next-generation Live 3D™ imaging technology with Optimal Volume Resolution™. Unlike conventional real-time systems that essentially sacrifice resolution to achieve impressive volume acquisition rates, Optimal Volume Resolution™ delivers superior resolution in “Extreme” mode while maintaining volume rates sufficient for virtually any imaging application. It also offers high, medium, and low resolution settings, making the Accuvix XQ the first 3D system to empower sonographers in all specialties to select the optimal balance of volume resolution and rates for their specific imaging objectives.



Superior Visualization

The Accuvix XQ features powerful multiplanar viewing to unlock its full diagnostic and interventional 3D imaging capabilities. Volume data is presented in three individually navigatable 2D views along with a fourth view showing either a composite 3D rendering or a VolumeCT™ view with all three volume planes in proper 3D perspective. The fourth view can also be expanded to full-screen at the touch of a button for detailed examination. All viewing modes support a number of combinable rendering modes, including a SeeThru™ mode that superimposes 3D color vessel information on a 2D B-mode image for a valuable anatomical frame of reference.

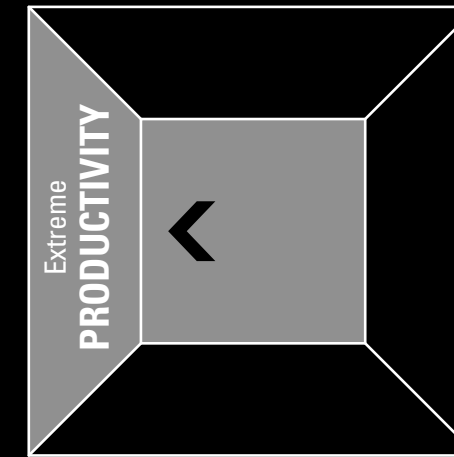
Superior Responsiveness

The Accuvix XQ is designed to make 3D ultrasound capture as responsive as 2D with a quick scan response time. Visualization responsiveness is also outstanding with the dedicated 3D Smart Controller*, an industry first that makes fluid, intuitive volume navigation possible with just one hand.

Superior Analysis

In addition to conventional 2D measurements, the Accuvix XQ offers powerful 3D measurement tools in VOCAL™ imaging mode. Using sophisticated organ-specific contour detection techniques to create highly accurate 3D wireframe of structures, VOCAL™ automates the measurement of organ or growth volumes as well as shell area to determine the degree of vascularization with superior accuracy.





Growing with your workflow.

In today's increasingly cost-conscious healthcare industry, creating a workflow that acquires the highest-quality clinical images with the least amount of time and effort is an ongoing challenge. Thanks to practical advances in both user interface and diagnostic functionality, the Accuvix XQ backs up its outstanding 2D and 3D imaging performance with a host of features that boost real-world productivity.

On the outside, the Accuvix XQ features an uncluttered control layout, an effort-saving color LCD touchpanel, and an innovative 3D Smart Controller*. On the inside, it provides automated image optimization, Doppler trace, and 3D ROI optimization* as well as powerful image management tools. Together, these innovations help accelerate your imaging workflow. And keep it growing.



The Accuvix XQ backs up its outstanding 2D and 3D imaging performance with real-world productivity.

The most advanced imaging technology in the world is useless without an interface that enables the user to efficiently and effectively access its full range of functionality. The Accuvix XQ embraces the latest advances in interface design and diagnostic functionality to improve productivity during exams and follow-up analysis without sacrificing clinical accuracy.

Superior Ergonomics

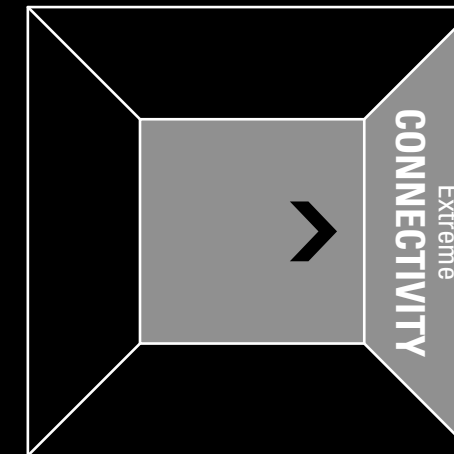
The control interface of the Accuvix XQ wraps gently around the user to keep everything within easy reach. The primary scanning controls are intelligently grouped on the right, with advanced functionality and adjustments available via a high-resolution color LCD touchpanel that virtually eliminates trackball usage for interface navigation. Changing probes in mid-exam is just a one-touch selection thanks to the five active probe ports. On the far left of the system is a breakthrough that enables users to take advantage of the full power of the Accuvix platform's 3D visualization capabilities. The world's first 3D Smart Controller* provides simultaneous navigational control over all three axes with just one hand, enabling real-time interactive review of both live and captured 3D volumes.



Superior Functionality

The Accuvix XQ is endowed with a number of advanced, productivity boosting capabilities that enhance its premium ultrasound credentials. Side-by-side display of live 2D- and color-mode images in Dual Live mode or saved cine memory sequences in Dual Cine mode facilitate direct comparisons with both live and saved studies. Sophisticated automation features like QuickScan™ auto image optimization, real-time auto trace in Doppler mode, and auto 3D ROI optimization* save significant time and effort during exams. And once studies are saved, the SonoView™ II image management application provides a comprehensive suite of review, analysis, networking, and archival tools that will help you get the most out of your 3D ultrasound investment.





Thinking beyond the cart.

Considering its powerful 2D, 3D, and workflow advantages, the Accuvix XQ makes a compelling choice as a premium stand-alone system. But the real power of the Accuvix platform lies in what it allows you to do beyond the cart. It is about adding scalability and collaboration to your workflow.

For hospitals, the Accuvix XQ is fully compatible with the latest DICOM standard to ensure smooth integration with existing PACS infrastructures. For clinics or private practices, the Accuvix XQ seamlessly interfaces with the optional SonoView™ Pro image management solution, creating a robust, PACS-like ultrasound network that supports remote image review, analysis, and archiving on any modern PC. And that allows you to do all your clinical thinking beyond the cart.

The real power of the Accuvix platform lies in adding scalability and collaboration to your workflow.

Built on a Windows® 2000 PC platform, the Accuvix XQ offers the most comprehensive connectivity options in the industry. In the networking realm, it features full DICOM 3.0 compatibility for seamless integration with third-party PACS as well as our own SonoView™ Pro image management solution. In the expandability realm, it supports multiple patient monitors, printers, external storage, and VCRs. And in the service realm, it is backed by premium customer care that can solve most system issues in just minutes via the Internet.

Superior Networking

SonoView™ Pro allows you to turn any modern PC into a PACS-like viewing station. You get exactly the same functionality and interface as the Accuvix XQ interface on your desktop, including full 3D study review and analysis capability. It fully supports the DICOM standard, so you can access and work with images from any DICOM-compliant ultrasound system on your network. A dedicated e-mail button on the Accuvix control interface makes sharing individual images as easy as possible, enhancing your communications with colleagues as well as patients. And since it communicates using Internet standards, connecting to an Accuvix XQ on the other side of the world is just as easy as connecting to one in the next room.

Superior Expandability

In addition to internal CD-RW and MO optical drives for saving perfect digital archives of study information, the Accuvix XQ supports the full range of third-party PC peripherals. The back of the cart features a complete complement of ports for printers, monitors, and USB-based external storage devices. There is also full audio and video input and output capability for connection to professional VCRs when a video record of exams is required.

Superior Service

When you buy an Accuvix XQ premium ultrasound system, you also get our premium customer care. We are available via phone and e-mail to provide technical support and assistance. In most cases, we can remotely troubleshoot and resolve problems via the Internet in a matter of minutes. This capability also enables us to easily update and upgrade your system, keeping your Accuvix XQ ready and available for service.





Redefining diagnostic confidence in every dimension.

Thank you for considering the Accuvix XQ premium 3D ultrasound system! When you buy an Accuvix digital ultrasound system, rest assured that you are getting a quality system from an industry innovator solely focused on bringing you the latest advances in diagnostic ultrasound imaging that are now redefining diagnostic confidence in every dimension.

ACCUVIX

Extreme Quality in Every Dimension