

EchoPAC Dimension

Clinical workstation





PC - IDEAL-TIME 3D ECHO, REAL-TIME 3D ECHO

Archive Patient Img Browser Review Protocol Img Analysis Worklist Report Config Help About Exit

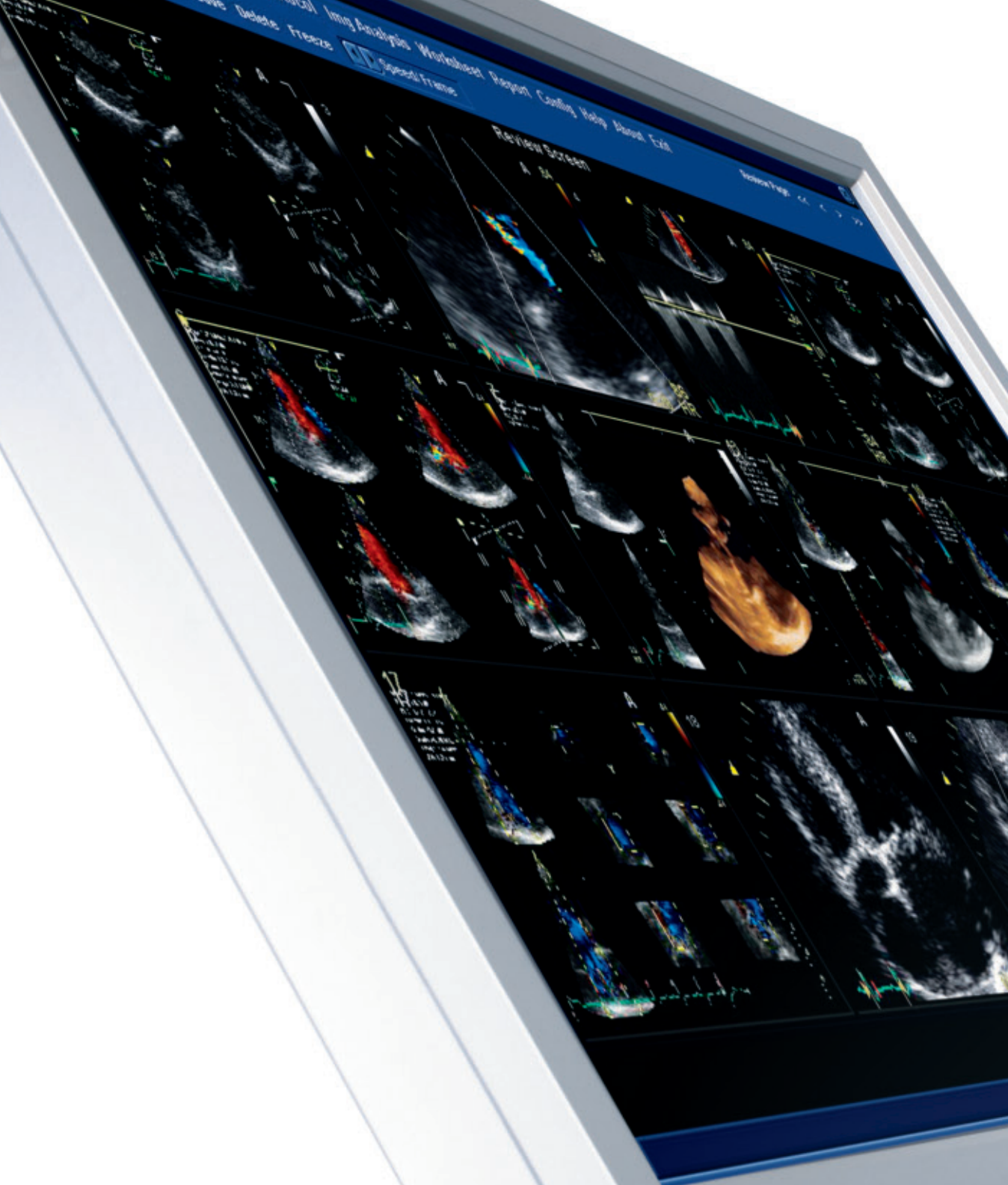
Select all Select page Analyze Save Delete Freeze

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SpeedFrame

Review Screen

TomTec, CA



Workflow that works for you.



The freedom of choice extends to the echo lab with an information management solution that gives clinicians the ability to design their workflow according to the needs of their ultrasound lab.

As a comprehensive clinical workstation, the EchoPAC™ Dimension gives you the choice of performing all your post-processing offline – even new multi-dimensional analyses – on images that retain the same superb image quality as those originally acquired and viewed on the ultrasound system.

So you can optimize workflow by deciding when and where an echo exam is accessed, reviewed or finalized, based on your scheduling needs and the experience and expertise of your team.

Because when it comes to increasing productivity, workflow is the key.

At the core of the Vivid™ family of cardiovascular ultrasound products is GE's TruScan imaging platform.

With TruScan, the ultrasound data is digitally acquired and stored in a raw state to preserve the integrity of the data. The resulting pristine images can then be viewed, measured, optimized and analyzed from the ultrasound system or workstation at any time, without losing any of the original image quality.

The prod



activity edge.



EchoPAC Dimension allows you to shift more of your analyses and workload from your ultrasound system to the workstation – freeing up your system for additional exams – for more efficient workflow, higher patient throughput and increased productivity.

From the point of data capture with any ultrasound system, the EchoPAC Dimension gives you a productivity edge, enabling you to:

- Efficiently perform quantitative analyses, create reports and store images directly from your workstation.
- Access and store images in DICOM or raw data DICOM formats to meet medical digital communication standards.
- Import and export information following the DICOM communication standard for workflow efficiency.
- Access patient exam data from multiple ultrasound systems, whether in the echo lab or a physician's office.
- Pull exam data from a centralized archive for immediate review of single- or serial-exam studies.
- Serve referring physicians with a side-by-side exam review capability, or share a view concurrently from two different locations.
- Send completed exams electronically to referring physicians in report formats via DVD, MPEGVue or export to an HIS.
- Quickly generate the echo findings report using the "Structured Findings" module with pre-defined text statements and an easy-to-navigate user interface.
- Perform image review and reporting side-by-side with a dual-monitor solution.
- Automatically generate and transfer billing codes to your HIS via HL7*.
- Electronically sign off completed exams to prevent further changes to the patient record.
- Use the "Activity Report" feature to generate echo lab statistics for hospital administration purposes or echo lab accreditation.

*Requires Image Vault.

New dimensions in



Auto LVQ

A mesh-based surface-tracking model, the new 4D Auto LVQ quantification tool provides you with a graphical output of pure 4D volume data. Utilizing temporal data, it delivers more reproducible results that are less prone to artifacts and variable heart rhythms for automatic volume and ejection fractions.



4D Views

4D Views takes the full volume acquisition data set and, with the touch of a button, automatically crops away the volume to instantly deliver the view you want. 4D Views eliminates the manual cropping and cutting of conventional 3D workflow - a time-consuming process that's difficult to teach and learn.

The EchoPAC Dimension offers review and analysis capabilities for multi-dimensional and 4D imaging, fully integrating with the multi-dimensional ultrasound data acquired on the Vivid 7 Dimension or Vivid E9 system.



echocardiography.

The EchoPAC Dimension workstation gives you an array of advanced quantitative analysis tools, such as Tissue Velocity Imaging (TVI), Tissue Tracking, Quantitative Contrast, Strain Rate Imaging, Tissue Synchronization Imaging and IMT technology. These tools provide you with more cardiovascular information to enhance your diagnostic confidence.

The EchoPAC Dimension's multi-dimensional analysis and reporting capabilities include:

- 4D image display and navigator
- Tri-plane EF measurements
- Multi-plane imaging in 2D and color
- 4D post-processing
- 4D LV and RV volume measurements
- 4D Tissue Synchronization Imaging (TSI)
- Bull's-eye report formats
- 4D views
- 4D stress echo data
- 9 Slice
- Advanced TSI
- Automated Function Imaging (AFI)

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Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care “Early Health.” The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

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imagination at work