ThinkingRadiology™

For most imaging facilities, be it a free-standing imaging center or a large radiology department, general radiology is still the "bread-and-butter". CT, MR, CR/DR make up the majority of imaging workload and revenue. Thinking Systems Corporation not only leads the industry in providing the most advanced specialty PACS solutions, but also provides comprehensive, robust, feature-rich, and highly efficient general radiology solutions with its ThinkingRadiology™, a solution powered by its flagship ThinkingPACS™ and ThinkingRIS™.

The Thinking Systems Difference

General radiology is the birthplace of PACS. Almost all PACS are designed with a single focus on providing tools and workflow to improve the efficiency of the general radiology practice. The challenge facing all PACS vendors today is how to cross over from the 2-dimensional grayscale image world into the 4-dimension color image world. Thinking Systems' ThinkingPACS™ is designed to encompass the most complicated 4-dimensional color modalities and leads the industry into the new era.

Advanced Features

Thinking Systems ThinkingPACS™ provide comprehensive advanced features for general radiology, including DICOM 3.0 2006 conformant hanging protocols, color and grayscale presentation states, and key objects; free-hand oblique MPR (Multi-Planar Reformatting) with thick-slab display; MIP (Maximum Intensity Projection) 3D and volume rendering 3D; ROI (Region of Interest) window and level; view port swapping and more.

Seamless Workflow

Powered by Thinking Systems' ThinkingPACS™ and ThinkingRIS™ with a single database, ThinkingRadiology™ provides seamless workflow from patient registration, exam ordering, scheduling, scanning, diagnostic reading, report generation, to report distribution.

Multimodality Support

Multimodality support is what sets Thinking Systems' ThinkingPACS™ and ThinkingRIS™ apart from all other vendors' PACS and RIS. Clinicians no longer have to hop from one workstation to another. Instead, from one single workstation or web portal, clinicians can access all modalities with the right clinical tools, from general radiology (CT, MR, CR, DR, and ultrasound) to cardiology (nuclear, echo, cath lab, ECG, and cardiac CTA), molecular imaging (PET-CT, SPECT-CT, and nuclear medicine), mammography, advanced 3D processing, and orthopedic templating.

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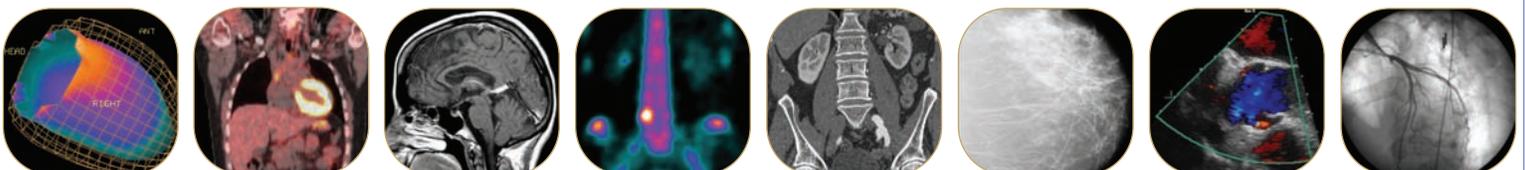
ThinkingRadiology™

Web-based

What makes Thinking Systems' web solutions different is the breadth of technologies – it offers three tiers of technologies with each designed to meet specific needs: thin-client with server-side computing (ThinkingWeb™), thick-client with data streaming (ThinkingNet.Net™), and client-less with HTTP (ThinkingWebLite™).

ThinkingWeb™ provides full workstation functionality via the web on any Windows based computer. The server-side computing technology eliminates the need for data downloading and provides the complete spectrum of tools for all modalities, encompassing radiology, cardiology and molecular imaging with complete features from general radiology review to PET-CT fusion and nuclear cardiology processing and quantification analysis.

ThinkingNet.Net™ is designed to provide a full-fledged diagnostic workstation anywhere in the world with a high speed Internet connection. It utilizes lossless or configurable lossy compression and encryption for real-time secure data streaming via the Web.

ThinkingWebLite™ is designed for client-less, pure browser-based image viewing. It provides quick, easy, and simple image viewing for all modalities on any computer platform with a web browser, such as Windows, Mac, UNIX, and PDA. Ideal for your referring physician network.

Key Features

- DICOM 3.0 2006 conformant hanging protocols
- DICOM 3.0 2006 conformant color and grayscale presentation states
- DICOM 3.0 2006 conformant key objects
- Multi-Planar Reformatting with thick-slab display
- MIP (Maximum Intensity Projection) 3D and volume rendering 3D
- Size, angle, area and perimeter measurements
- Annotation
- Continuous zoom and pan
- Window and level presets
- Linear and non-linear window and level
- ROI (Region of Interest) window and level
- ROI analysis
- Series synchronization and cross reference
- View port swapping
- Hounsfield unit measurement
- Current-prior study comparison
- Multimodality comparison

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