



# ThinkingRIS™

The main purposes of a Radiology Information System (RIS) are to streamline the radiology workflow and create paperless environments. However, in spite of the benefits it could potentially bring, RIS is not as widely deployed as PACS. The lack of interoperability between RIS and PACS is still a major obstacle that prevents RIS' wide utilization. Although the last few years' acquisitions and mergers between RIS and PACS companies brought the respective RIS and PACS closer together, most of them still remain to be distinctively separated products under the same logo. Thinking Systems Corporation's ThinkingRIS™ is designed and developed to overcome these obstacles and allow users to enjoy a truly unified RIS-PACS environment.

## *The Thinking Systems Difference*

What makes Thinking Systems' RIS-PACS solution different from other vendors' is that, at their inception, ThinkingRIS™ and ThinkingPACS™ were designed and developed as one single integral system. This one-system design not only freed Thinking Systems from many of the challenges facing other companies that depend on high-level HL7 or proprietary integration to bring RIS and PACS together, but

also makes Thinking Systems' solution the most robust and seamless in the market. The ability to provide modality worklist to a wide range of devices, especially the ones that do not support DICOM, is another hallmark of Thinking Systems.

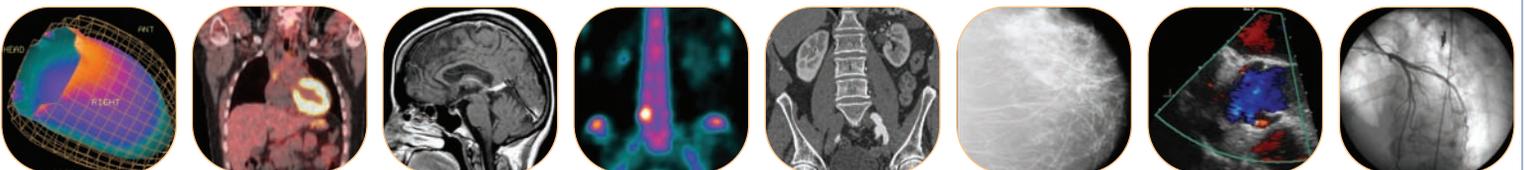


## *Advanced Features*

Being Web-based with built-in encryption, ThinkingRIS™ provides worldwide secure access from any Windows based computer. Together with ThinkingPACS™, it delivers a complete radiology information and image management solution, including workflow streamlining, medical records management, image management and office automation. It is workflow driven, with a rich set of features and a high degree of configurability. It is brokerless with native DICOM Modality Worklist and Modality Performed Procedure SCP (Service Class Provider). It can be easily integrated with third party HIS (Hospital Information System), practice management, reporting, PACS, modality scanners and other systems. Its role-based access control allows only authorized access to functions and information.

## *Seamless Workflow*

With a unified RIS-PACS environment, Thinking Systems' ThinkingRIS™ and ThinkingPACS™ together provide a seamless workflow from patient registration, exam ordering, scheduling, scanning, diagnostic reading and report generation, to report distribution.





# ThinkingRIS™

## *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 patient information and images of 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.

## *Key Features*

- **Patient Management** – Patient registration, patient information and document management, hardcopy document digitization.
- **Exam Ordering** – Study and exam ordering, exam document management.
- **Scheduling** – Multi-center study scheduling, walk-in patient scheduling.
- **Exam Management** – Color-coded exam status display, detailed exam review, patient/study modification, exam rescheduling and cancellation/deletion.
- **Confirmation** – Confirmation worklist, exam review, reschedule or cancellation.
- **Workflow Driven Worklists**
  - **Front-desk Daily Worklist** – Patient and study forms, mark patients' arrival, rescheduling.
  - **Technologist Worklist** – Technologist portion of report, mark study as completed (if modality scanner does not support Modality Performed Procedure Step).
  - **Radiologist Worklist** – Diagnostic image reading with ThinkingPACS™ or third party PACS tools, digital dictation, template driven report generation, report template creation, report generation with voice recognition, report printing.
  - **Transcriptionist Worklist** - Digital dictation playback, template driven report generation, report template creation, report generation with voice recognition, report printing.
  - **Auditing Worklist** – Report auditing and approval, digital dictation playback, image review with ThinkingPACS™ or third party PACS tools, report printing.
  - **Referring Physician Worklist** – Report review, image review with ThinkingPACS™ or third party PACS tool, report printing.
- **Film Tracking** – Film inventory tracking and cataloging, film check-out and check-in tracking.
- **Form Management** – Form creation with Microsoft Word, auto population of form fields with patient and study information from database, digitization of signed forms, form management.
- **Integration** – Integration with third party reporting, dictation and PACS systems.
- **Administration** – User and group creation and access privilege assignment, site and resource management, physician and insurance company management, user interface and server connectivity configuration, modality procedures management, ICD9 and CPT codes management.
- **DICOM Modality Worklist SCP** – Allowing modality scanners and PACS to query scheduled procedures using DICOM Modality Worklist.
- **Modality Performed Procedure Step** – Allowing modality scanner to update a scheduled procedure status as completed, discontinued or in-progress.
- **Import and Export** – Export digital dictations as WAV files, export reports as Word files, DICOM Structured Reporting, or through HL7 interface.
- **Role-based Access Control** – Based on assigned privilege, each user can only access authorized functions and information.