

# PowerPACS<sup>®</sup> Telerad Server



## A quintessential solution for DICOM routing and transmission outside the radiology or hospital walls.



*When onsite radiologists are not available, rapid delivery and response of critical patient data can stir up some frightening uncertainties for hospital personnel. During those unexpected emergency situations, the PowerPACS Telerad Server by RADinfo SYSTEMS guarantees transmission of DICOM patient images to an unlimited amount of reading radiologists outside of hospital walls, worldwide. The PowerPACS Telerad Server will improve communication of important patient images to remote reading radiologists, guarantees the successful delivery of patient images, reduces turn around time of findings back to the physicians and patients, and provides flexibility for the hospital and their staff.*

*A quintessential solution for DICOM routing and transmission within a PACS network, the PowerPACS Telerad Server can receive, store, and display images from any DICOM based modality or workstation.*

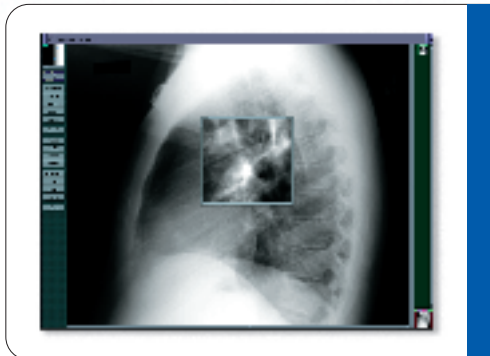


Administrators can configure multiple connections and destinations with specific image routing rules: network connectivity methods and time schedules and image compression rates for bandwidth control. Based on these configurations, hospitals can display and distribute patient images automatically or manually to any destination: another hospital, a remote reading center, or a radiologists' home PC. In turn, end users can automatically receive or query and retrieve DICOM studies through their own specific connection, whether it being a WAN or by a dial-up connection.

The PowerPACS Telerad Server offers administrators flexibility and assurance within their DICOM network. A detailed task list and error log with prompt warnings helps administrators to easily diagnosis any transmission failures needing immediate attention. This safeguard insurance provides patient security and alleviates any doubts of successful data transmission.

Equipped with a Microsoft SQL database, the PowerPACS Telerad Server can provide short-term DICOM image storage with an easy user interface to quickly locate important patient information. A configurable housekeeping schedule allows automatic deletion after successful image transmission, allowing the easy ability to manage the local storage. An ideal candidate for rural or understaffed hospitals, RADinfo SYSTEMS works actively to create a low cost, high quality solution that utilizes our innovative technology to empower your radiology department with the PowerPACS Telerad Server.

# PowerPACS<sup>®</sup> Telerad Server



Micro PowerPACS DICOM Viewer Interface

## Advantages

- Image routing to multiple destinations through the WAN.
- Automation reduces the need for staff training to operate the system.
- Automatic image routing based on pre-configured schedule.
- Connects to any other DICOM compliant PACS solutions using a LAN/WAN.
- Significant cost savings from film-less operation.
- Fully configurable to meet local needs and demands.
- Multi-thread structure to ensure rapid image transmission.
- Meets up-to-date industry standards.
- Manual image push by selected patient/study/series or image.
- Automatic retry by criteria for transmission failures.

## Features

### DICOM Network

- Receive, store, display and distribute DICOM Studies, Series, and Images to configured Remote Workstations.
- Receive DICOM images using DICOM C-STORE SCP.
- Search authorized networked storage devices. Query and retrieve DICOM image studies remotely from the DICOM network, using DICOM C-GET.
- Configure Network and Dial-up Remote Node workstations to have full control of Remote Node Routing Rules.
- Automatically or manually route DICOM images using an image compression method and rate.

### Image Database

- Equipped with a Microsoft SQL Database.
- Provides short-term DICOM image storage.
- Permits users to quickly locate DICOM Studies, Series, and Images locally and on compatible, configured, networked devices.
- Manage local storage volume with a housekeeping schedule function, automatically deleting successfully routed images and storage sets according to the user-defined criteria.
- Display, Print and Send DICOM images.

### Task List

- The Task List shows a running list with status of the tasks that have occurred during DICOM network transmission. Quick filters help identify incomplete or failed transmissions.

### Error Log

- The Error Log shows a running list of the errors that have occurred during DICOM network transmission using quick filters to help identify each unique transmission and reasons that caused the failure for a quick remedy.

## About RADinfo SYSTEMS

Established in 1993, RADinfo Systems develops and supports Windows-based, DICOM-compliant software for PACS, Teleradiology and image/information systems management. With products installed at hundreds of locations throughout the world, RADinfo Systems is also a systems integrator, bundling our software with modality and hardware manufacturers' products to provide complete information and image management solutions backed by around-the-clock technical support. In addition to developing the interface software that exist on modalities today, the privately held RADinfo Systems supplies software products and system development for many major modality and healthcare product vendors.



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\*RADinfo Systems currently features Fuji, Kodak, Konica, RadLink CR readers, Dell Optiplex, Precision and PowerEdge computers, typically with components from the following manufacturers: 3COM, Adaptec, American Power Conversion (APC), ATI Rage, Belkin, Diamond Multimedia, harmon/kardon, Intel, Sound Blaster, & US Robotics. RADinfo Systems reserves the right to substitute comparable equipment and components, as availability requires. Specifications subject to change without notice.

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