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.
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.