

# PowerPACS<sup>®</sup> Web Server



**An easy and affordable web-based solution to securely extend DICOM images and data beyond radiology departments through the Internet**

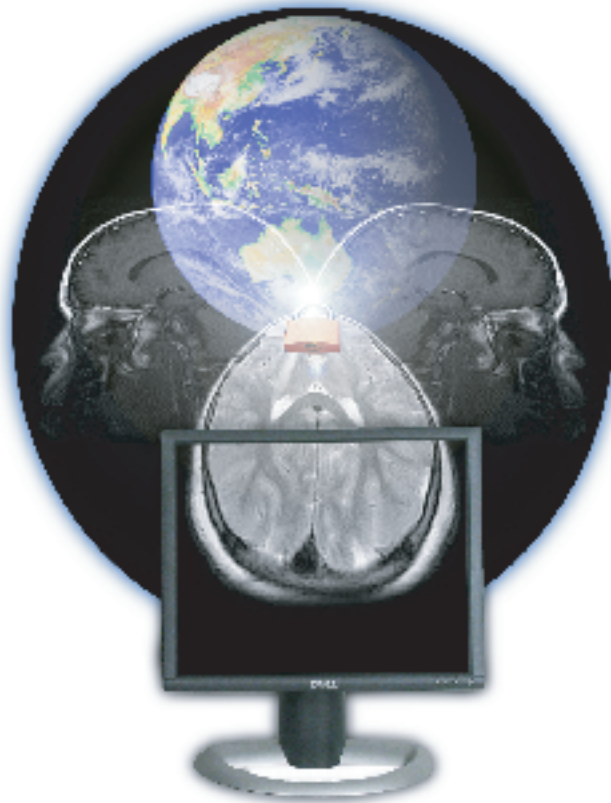


*Adopting a Picture Archiving and Communication Systems (PACS) resolves many of the inefficiencies created by film. Yet a PACS implementation may only benefit staff within the radiology department or imaging center. This may be the case because it is not feasible to extend PACS equipment and software to other departments in the healthcare facility, remote radiologist, or referring physicians.*

*RADinfo Systems addresses this challenge with PowerPACS Web Server, an affordable way to securely extend DICOM 3.0 images and data beyond the radiology department or imaging center using Internet technologies. PowerPACS Web Server can be implemented in facilities still using film or it can be added to facilities with an existing PACS.*

*Using thin client architecture, the system enables radiologists, physicians and other individuals with the proper access to view medical reports and images on demand with any PC and an Internet connection.*

*Using Active Component techniques on the Web browser side, PowerPACS Web Server delivers the best possible performance in image viewing operations to a Web page and extends RADinfo Systems' proven RSVS<sup>™</sup> technology to the Web application.*



PowerPACS Web Server increases clinical productivity, enhances patient care, and reduces costs associated with conventional medical practices. PowerPACS Web Server is extremely efficient as a teleradiology application for on-call radiologists performing wet-reads. It is also an excellent solution to allow referring physicians to view patient images. Or, it can distribute full-fidelity DICOM images to diagnostic or clinical viewing stations.

PowerPACS Web Server implementation can be accomplished very quickly. Using thin client architecture, there is no application software or viewer to manually distribute to users, nor any configuring of complex DICOM communication parameters at the client. Once the server is installed, all that is required to start viewing images is Microsoft Internet Explorer and a Windows-based PC. It's that easy. Images are viewable through our self-loading FDA-approved DICOM viewer. The viewer is proven as an ideal viewing system that provides simple, yet powerful viewing functionality.

Facility-defined security levels authorize controlled access to data depending on user rights and privileges, as recommended by the HIPAA legislation. This method allows patient information to be easily shared between many users without violating patient's rights. Optional security measures add the latest network security technology available and an audit log that can track users access to patient information.

- Reduce time, costs & labor associated with obtaining & returning film jackets.
- View full-fidelity images from local and remote locations.
- Securely view reports and all images, including multi-slice or video images.
- Move images to archive servers, printers or off-site for disaster recovery.
- Share images with radiologists, technologists, referring physicians, administrators, patients and others.

# PowerPACS® Web Server



## TeleRAD Solution - For 5 Concurrent Users

### Control Center Specifications

Workstation: Dell high-end server tower packaging. Minimal System: Dual Intel Pentium III Processor (>1.0 GHz/512K), 512 MB RAM, 73 GB 10K RPM SCSI Hard Drive, 3.5" Floppy Diskette Drive, 348x CD ROM, 56k/v.90 Internal Modem, Onboard Network Interface Card.

### Software Specifications

Operating System: Windows 2000 Small Business Server.

Application Software: RADinfo Systems PowerPACS Web Server Software v2.0

## Enterprise Solution - For 15 Concurrent Users

### Control Center Specifications

Workstation: Dell high-end server tower packaging. Minimal System: Dual Intel Pentium III Processor (>1.13 GHz/512K), >1 GB RAM, >73 GB 10K RPM SCSI Hard Drive, 3.5" Floppy Diskette Drive, 348x CD ROM, 56k/v.90 Internal Modem, Onboard Network Interface Card, Non-Redundant Power Supply

### Software Specifications

Operating System: Windows 2000 Small Business Server.

Application Software: RADinfo Systems PowerPACS Web Server Software v2.0

## Enterprise Solution - For 30 Concurrent Users

### Control Center Specifications

Workstation: Dell high-end server tower packaging. Minimal System: Dual Intel Pentium III Processor (>1.0 GHz/512K), >1 GB RAM, Four 36 GB 10K RPM SCSI Hard Drives, 128MB PERC3-DI Embedded RAID 5, 3.5" Floppy Diskette Drive, 324x CD ROM, 56k/v.90 Internal Modem, Onboard Network Interface Card, Non-Redundant Power Supply

### Software Specifications

Operating System: Windows 2000 Small Business Server.

Application Software: RADinfo Systems PowerPACS Web Server Software v2.0

## 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.

**RADinfo** SYSTEMS™



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