

PowerServer® BROCHURE · 2026

# powerserver®

## PACS

# Radiology Without Roadblocks

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**PowerServer® PACS** is **RamSoft®**'s intelligent, web-based enterprise PACS — the AI orchestration layer that turns algorithms into real workflow impact. Designed for radiologists, imaging centers, and enterprise healthcare systems, it operationalizes imaging AI to deliver faster turnaround, higher throughput, and workflow efficiency from intake to interpretation.

[sales@ramsoft.com](mailto:sales@ramsoft.com) • [ramsoft.com](https://ramsoft.com)

# Imaging at the Speed It Should Be

Whether you're scaling up, optimizing operations, or streamlining multi-site facilities, PowerServer PACS bridges the gap between today's imaging challenges and tomorrow's solutions — with a single-database architecture that orchestrates and accelerates every step.

Reduced redundant workflow steps

Seamless multi-system connectivity

Consistent operations across imaging ecosystem

More patient-centric care delivery

## Key Highlights



### Built for Flexibility

A single-database, 100% web-based platform that grows with your organization — no hardware dependencies, no silos.



### Streamlined Workflow

From image acquisition to report delivery, manage it all from one unified interface. No switching. No bottlenecks.



### Data Security, Guaranteed

HIPAA-compliant security, built-in redundancy, and high availability backed by Microsoft Azure with 99.95% uptime for cloud deployments. AES-256 encryption ensures your data is protected at every layer.



### Enterprise Efficiency

Support unlimited users, modalities, templates, and facilities — with zero extra licensing fees. Effortlessly expand across new facilities without hidden costs. Need more features? Upgrade to PowerServer RIS/PACS anytime.

# Proven Performance

## Engineered for Operational Speed

PowerServer 6.7 delivers measurable performance gains across every imaging modality — directly improving radiologist throughput and reducing turnaround time. Powered by HTJ2K (High Throughput JPEG 2000) compression and remote rendering technology, v6.7 eliminates the infrastructure bottlenecks that slow reading workflows.

Performance Metric	Improvement vs. v6.0
Average first image render time (all modalities)	~39% faster
Chest X-Ray (CR) first image render	67% faster
3D Digital Breast Tomosynthesis (DBT) render	57% faster
CT study load time	40% faster
Full study caching (large frame-count studies)	Up to 80% faster
MR 2,000-image study – full cache time	80% faster (1m 29s → 18s)
MG Tomo scrolling (cine playback)	4× faster
CT scrolling (average across input methods)	~42% faster
High-resolution frame loading	67% faster

### What drives these gains:

- HTJ2K compression dramatically reduces data transfer overhead, especially for large volumetric datasets like MG DBT and CT
- Remote rendering offloads processing from the client, delivering fast first-image display even on constrained hardware
- Study pre-caching and intelligent routing ensure near-instantaneous repeat access to frequently read studies

Available for solutions hosted on Microsoft Azure.



CLOUD-BASED BRILLIANCE

# Features That Drive Results

## RapidResults™ Viewer

Empower physicians on the go with zero-footprint access to diagnostic images and reports — anytime, anywhere.



Seamless EMR integration: No downloads, no fuss.



Basic image manipulation tools: Windowing, zoom, measurements, and more.



Secure patient image sharing: Safely distribute studies to referrers or patients.



Interoperability: Compatible with multiple devices and operating systems.

## Cloud-Based Brilliance

Leave hardware headaches behind. Our secure Microsoft Azure cloud-hosted PACS means:



99.95% system uptime



AES-256 encryption across all data transfers



No upfront infrastructure costs



Effortless scalability



Built-in data redundancy with automatic backups and failover

# Advanced Tools for Faster, More Patient-Centered Care

DICOM® is the registered trademark of the National Electrical Manufacturers Association for its Standards publications relating to digital communications of medical information.

## Clinical Highlights

Web-based dictation & transcription

PET/CT fusion & color mapping

Mammography with tomosynthesis support

Critical findings & patient alerts

MP4-to-DICOM conversion

Multi-patient viewing

## Workflow Highlights

Real-time customizable unified worklists

QR code integration for study sharing

Document scanning & secure messaging

Custom report templates with Microsoft Word reporting

Report distribution

Multi-facility support and enterprise sync

## Admin & Technical Highlights

Essence™ BI access\*

Audit trails, marketing reports, and amendment tracking

DICOM®, HL7® & IHE compliance

Customizable role-based access control

Study pre-caching, routing, and assignment for faster reading workflows

[Learn More](#)

\* Availability dependent on user country's data residency laws.

# AI Orchestration, Built In

PowerServer PACS operationalizes AI across imaging workflows — from triage to diagnosis — through RamSoft’s curated ecosystem of industry-leading AI solutions. These integrations work within your workflow, not around it, turning AI algorithms into real operational impact.

## What You Can Expect



### Enhanced Image Analysis

Access specialized AI tools for lung, brain, MSK, mammography, and more — directly within your PACS. No separate logins, no workflow breaks.



### Seamless Clinical Decision Support

Empower radiologists with data-driven insights that reduce variability and increase consistency across multi-site operations.



### Smarter Workflow Triage

Automatically flag and prioritize urgent cases so your team can act fast, when it matters most. Reduced manual prioritization translates directly to faster case routing and improved turnaround time.

*RamSoft doesn't just keep up with AI — we make it operational. PowerServer PACS is the orchestration layer that turns algorithms into real workflow impact.*

LET'S TALK

# Let's accelerate imaging together.

Ready to see PowerServer PACS in action?

Request your FREE demo →

[ramsoft.com](https://ramsoft.com)

“With RamSoft’s cloud-based, patient-centric solutions, you really do realize there’s a patient at the end of the chain. **We went from doing 50 to 100 patients a day to over 7,000 patients a day, thanks to RamSoft’s support.**”

– Drew Gaudet

Co-Founder and Chief Growth Officer, Premier Radiology Services

TRUSTED WORLDWIDE

## A global imaging partner.

750+

INSTALLATIONS

22+

COUNTRIES

30+

YEARS IN IMAGING

*For over 30 years, RamSoft has helped imaging centers, hospitals, and teleradiology practices transform their operations through automation, innovation, and partnership.*

# ABOUT RAMSOFT

After more than 30 years, RamSoft has become a global provider of innovative cloud-based radiology software solutions for imaging centers, radiology departments, and teleradiology providers. PowerServer is utilized by over 750 sites and thousands of customers worldwide, offering a flexible, scalable design enabling imaging operations of all sizes to leverage comprehensive cloud-based RIS/PACS capabilities. RamSoft's latest offering, OmegaAI®, is a cloud-native, AI-driven platform delivering rapid, secure, and robust RIS and PACS capabilities that are completely zero-footprint. Powered by Microsoft Azure, RamSoft's solutions provide the highest levels of security, HIPAA compliance, and protection against cybersecurity threats. RamSoft delivers imaging innovation through **One Platform. AI-Powered. Total Interoperability.**

[View more about PowerServer](#)

## GLOBAL OFFICES

# Reach us anywhere.

### CANADA

#### RamSoft Headquarters

8 King St E #208,  
Toronto, Ontario M5C 1B5

+1 888.343.9146

### USA

#### RamSoft USA

131 Continental Drive, Suite 301  
Newark, Delaware 19713

+1 888.343.9146

### INDIA

#### RamSoft India

IndiQube Ascent, Municipal No. 420  
Koramangala 4-B Block,  
Bengaluru 560034