

DD PowerARCHIVE

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RADinfo Systems

PowerARCHIVE™

Unattended CD/DVD production for PACS off-site archiving and disaster recovery.

The Health Insurance Portability and Accountability Act (HIPAA) will soon require all patient images and related data to be recoverable in the event of a disaster. Radiology Administrators who store images locally will soon need to keep a copy of images somewhere off-site. The existing solutions that require an exclusive Wide Area Network (WAN) can be expensive, such as mirrored data centers or the ASP approach. Yet the disaster recovery solution implemented should be economical.

RADinfo Systems addresses this emerging challenge with PowerARCHIVE, the first product to offer unattended CD/DVD production for PACS off-site archiving and disaster recovery. Once the solution is installed within the imaging facility, it runs unattended to produce CDs or DVDs for archiving images off-site or on-site as a "shelf archive." The password-protected system comes with a searchable master database to locate disks containing the desired images.

PowerARCHIVE is a modular component of the PowerPACS suite of products and can be integrated into any other vendor's DICOM solution. PowerARCHIVE consists of a PC workstation and a CD or DVD Generator that automatically produces and labels multiple disks.



PowerARCHIVE 1000 Workstation and CD/DVD Generator

PowerARCHIVE is an easy, economical, and HIPAA friendly way to archive medical images for off-site storage. It can be configured to produce multiple CDs or DVDs on a scheduled basis, such as every night, or on a resource basis when the CD or DVD would become full. One copy of the completed disk labeled for off-site disaster recovery can now be stored with other vital facility data such as the healthcare provider's RIS, HIS, or office data backups.

PowerARCHIVE automatically maintains an inventory of every image archived. Operators can retrieve images by searching patient's name or ID, accession number, physician, date, and more. PowerARCHIVE then lists the disk ID for manual retrieval – unless the image is recent enough to still be located in PowerARCHIVE's local disk drive, in which case, it can be retrieved immediately. In the event of a disaster, images can be automatically retrieved back to the imaging center's online archive by placing the needed disks back into PowerARCHIVE. And, since the images are saved using DICOM 3.0 format, any computer with a CD/DVD-ROM drive can access the disks' data.

- Automation reduces the need for staff training to operate the system.
- Connects to all modalities, archive servers, or digitizers on the LAN/WAN.
- Centralizes all of the facility's DICOM 3.0 images and related data.
- Automatically labels each disk with identifiers and contact information.
- CD/DVDs contain a free FDA-approved DICOM viewer if ever needed.
- Can function as a portable DICOM image database.
- Workstation enables remote configuration and analysis.
- Open architecture allows CD/DVDs to be accessed by any third-party DICOM-compliant PACS to ensure easy integration, including compressed files.



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Technical Specifications for PowerARCHIVE 1000

CD/DVD Generator	
Drive	Single 12X CD-R or 2X DVD-R recorder.
Everest™ Disk Printer	160 LPI (lines per inch) photo realistic full color thermal re-transfer printer.
Print Ribbons	3-color CMY panel ribbon (500 images/ribbon) or one black ribbon (1,000 images/ribbon).
Image Transfer Ribbon	Transparent re-transfer ribbon (1000 transfers/ribbon).
Bin Capacities	(3) 60-disk bins configurable as input, output, or reject. Maximum I/O capacity is 120 disks.
Size and Weight	18.5"H X 15"W X 28.5"D, (47cm H X 37cm W X 72.4cm D), 91 lbs. (41Kg).

Control Center	
Workstation	Standard Dell tower packaging. Minimal System: Intel Pentium 4 Processor (>1.6 GHz), 256 MB RAM, ≥40 GB Hard Drive, 3-1/2" Floppy Diskette Drive, ≥40x CD ROM, ≥16 MB Video Display Driver Card, 56k/v.90 Internal Modem, 10/100 BaseT Network Interface Card.
Monitor	13.4" H x 13.8" W x 15" D (34cm H x 35cm W x 38cm D) Dell color display, 30 lbs. (14Kg). Optional upgrade to flat panel display.

Software	
System Software	Windows NT 4.0 or Windows 2000.
Application Software	RADinfo Systems PowerARCHIVE Software v1.x.

Certifications	
Emissions	FCC Class B, EN55022 Class B.
Susceptibility	EN55024.
Safety	UL1950, CAN C22.2 No. 950, EN60950.
Power	100 - 240VAC, 60/50 Hz, 2.2 - 0.2 Amp, 500 watt maximum.
Operating Temperature	60°F-86°F (15.5°C-30°C). Limited by recorder.
Relative Humidity	40%-80% noncondensing.
Conformance Marks	UL, cUL, CE

*RADinfo Systems currently features Rimage Corp. & Dell Dimension, Optiplex, & Power Edge computers, typically with components from the following manufacturers: 3COM, Adaptec, American Power Conversion (APC), ATI Rage, Belkin, Diamond Multimedia, harmon/kardon, Intel, Rorke Data, Seagate, Sound Blaster, & US Robotics. *RADinfo Systems reserves the right to substitute comparable equipment and components, as availability requires. *Specifications subject to change without notice.
Technical Specifications Version 1.0



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