All Pro Solutions, Inc.
Data Archiving & Storage Solutions

ARCHIVE EDITION

Zeus MD AE

Publish. Archive. Protect.



ZEUS SERIES

ONE OF A KIND — the only solution in the world that publishes DICOM discs and archives them offline in one system

Medical data keeps growing — and so do ransomware, cybercrime and lost or stolen records. **Zeus MD AE** takes your most sensitive patient information offline: publish studies to labeled Blu-Ray discs, then store and index them in a lockable, fire-resistant-coated disc cabinet.

Don't put sensitive data at risk — archive to Blu-Ray Disc.

- Protect sensitive personal & patient information and records
- Combat *ransomware* by going "dark" with offline storage
- Removable "library" — quickly grab discs in an emergency
- Maintain chain of custody
- Secure access: fingerprint, RFID card & facial recognition



Zeus 4H MD BD



DS900



Network Servers | Archiving System | Disc Storage System

420	4	1,960	100TB	1.6PB	16
PUBLISHER DISCS	BLU-RAY DRIVES	ARCHIVE DISCS	PER CABINET	MAX EXPANDED	LINKABLE UNITS

All Pro Solutions delivers an **automated archiving solution**: it publishes your sensitive records to archival Blu-Ray discs, paired with a disc storage system that keeps them offline, indexed and out of danger. Offline storage keeps long-term records off the network and avoids recurring cloud storage fees.

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Zeus MD AE — Inside the Solution

ARCHIVE EDITION

PUBLISH · Zeus 4H MD BD

- **Self-contained** — embedded Windows 11 PC with all DICOM software preinstalled
- 4 Blu-Ray combo drives · 420-disc capacity
- SpeedJet color label printing with off-the-shelf HP ink cartridges
- Picker never lifts multiple discs · add or remove discs while jobs run
- Auto-burns studies as received · Query/Retrieve · burn from a web browser
- **AES 256-bit encryption** · disc spanning · DICOMDIR and Weasis viewer on every disc
- **No limits** on copies or third-party media · runs 24/7

ARCHIVE · DS900 Cabinet

- Rugged metal cabinet with **door lock** and fire-resistant paint coating
- **LED lights** pinpoint each disc · barcode scanner and labels included
- 490 slots with 4-disc cases — **1,960 discs**, approx. 100TB
- **Embedded Linux-based touchscreen PC** with Disc Manager database software · dashboard accessed via web browser or portal
- **Secure access:** fingerprint scanner, RFID card reader, facial recognition
- Stored discs can be removed quickly in an emergency
- Link up to **16 units** from one controlling unit — up to **1.6PB**
- 100/1000 Ethernet — connect to your LAN or archiving system

Archive benefits

Ransomware protection
Air-gapped offline storage keeps archives safe from cyberattacks.

Immutable WORM storage
Archived data cannot be modified or deleted.

Long-term preservation
Up to 100 years on Archival Blu-Ray Discs.

Optimized primary storage
Moves inactive data offline to free production storage.

Fast search & retrieval
Indexed search and random access to archived files.

Lower total cost
Less energy, maintenance and storage cost than HDD or tape.

Regulatory compliance
Data integrity and Chain of Custody to help meet requirements.

Scalable storage
Expand capacity as your data grows.

Simple management
Windows CIFS access, web-based management, UDF support.

Blu-Ray Disc is the ideal media for long-term archival

Longevity · Security · Data Migration · Compliance · Green Technology · Removability · Compatibility · Power Consumption · Accessibility · Capacity — extendable up to 16 devices as one system

Specifications at a glance

Zeus 4H MD BD publisher
Capacity · 420 discs, 4 Blu-Ray combo drives
PC · Windows 11 Pro, Intel quad-core i5, 32GB DDR4
Storage · 256GB SSD + 4TB HDD cache
Printer · SpeedJet Pro color
Max write · BD-R 12X, DVD 24X, CD 52X*

DS900 archive cabinet
Capacity · 490 slots, 1,960 discs, approx. 100TB
PC · Embedded Linux touchscreen; web dashboard
Size · 40 × 69 × 12 in (W × H × D), 200 lbs
Expansion · up to 16 units, 1.6PB
Warranty · 3 years (extended, included)

Both units: 100/1000 Ethernet · 115V or 230V · 40–95°F · 20–90% humidity · FCC, CE, RoHS. Zeus MD AE includes a 3-year extended warranty. *Actual write speeds vary by media type and manufacturer. Specifications subject to change without notice.

ZEUS SERIES

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Made in the USA

Zeus MD AE System Workflow Diagram

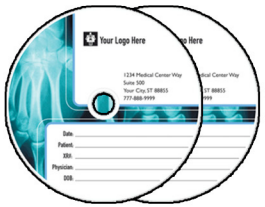


Radiology Imaging Modalities

Query / Retrieve DICOM Images from PACS servers or directly from different imaging modalities. Images are compiled and burned to DICOM Blu-Ray Discs, CDs and DVDs.



Zeus MD AE System



Create DICOM Blu-Ray CD & DVD Discs

Burn DICOM Blu-Ray Discs, CDs and DVDs automatically. Discs include embedded DICOM Viewer, DICOMDIR, Patient information, different encryption methods.



PACS Servers



Digitized Patient Records



DS900 Disc Storage System



Store finished discs physically in Disc Storage System. Connect up to 16 storage cabinets together under same database, allowing for up to 1.6 Petabytes Capacity!

Store data securely, air-gapped & offline for over 100+ Years!

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