ALL PRO SOLUTIONS

Zeus MD AE Data Sheet

Archive Edition — DICOM Disc Publishing + Optical Disc Archive in One Solution

★ MADE IN THE USA

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



Zeus 4H MD BD · Publisher





DS900 · Archive

420	4	980
PUBLISHER DISC CAPACITY	BLU-RAY COMBO DRIVES	ARCHIVE DISC CAPACITY
50TB	**800TB**	**16**
ARCHIVE STORAGE (APPROX.)	MAX EXPANDED ARCHIVE	LINKABLE ARCHIVE UNITS

Zeus MD AE pairs the **Zeus 4H MD BD** DICOM publisher with the **DS900** optical disc archive cabinet. Publish labeled patient media on demand, then store, locate and retrieve it with LED-guided, barcode-indexed storage. **Disc Manager** software runs on both systems.

PUBLISH — ZEUS 4H MD BD

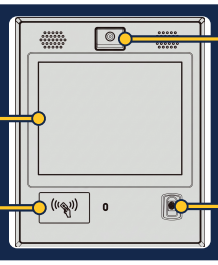
- **Self-contained** — fully embedded PC with Windows 11 and all DICOM software preinstalled
- 4 combo Blu-Ray CD/DVD drives with 420-disc capacity
- SpeedJet HP-based inkjet printer using standard off-the-shelf HP ink cartridges
- Mechanical picker designed to never pick up multiple discs at once
- Sticky Media Separator option available if needed
- **Modular system** — removable drive tower and printer, no enclosure to trap dust or residue
- **3 independent power supplies:** autoloader/PC, printer, and drive tower
- Add or remove discs from bins while jobs are processing — no door to lock
- **Fastest loading/unloading system in the industry**

ARCHIVE — DS900 CABINET

- Standalone optical disc storage with rugged metal construction
- **Embedded touchscreen PC** with Disc Manager database software **User Interface Dashboard** accessed via web browser or portal
- **LED lights** identify the exact location of each disc
- Barcode scanner and barcode labels included
- 490 slots with 2-disc cases included — **980 total disc capacity**
- Approx. **50TB** of data storage space
- **Secure access control:** fingerprint scanner, RFID card reader and facial recognition
- Door locking mechanism included
- Special fire-resistant paint coating
- Stored discs can be easily removed in case of emergency

SECURE ACCESS BUILT IN

DS900 touchscreen panel with face, RFID card and fingerprint authentication



NETWORK & SCALABILITY

- 100/1000 Gigabit Ethernet — connect to your LAN or directly to an archiving system
- Network-wide control of publishing by Windows clients
- **Expandable** — link up to 16 archive units from a single controlling unit
- **Scales up to 800 Terabytes** of total archive storage



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Zeus MD AE Data Sheet · Specifications

★ MADE IN THE USA

Technical Specification	Detail
PUBLISHER — ZEUS 4H MD BD	
Operating Type	Standalone – Built-In PC
Operating System / CPU	Microsoft Windows 11 Professional / Intel Quad-core i5 Processor
Hard Drive	256GB SSD for OS + 4TB HDD for Cache / Storage
RAM Memory	32GB DDR4 RAM
Drives / Capacity	4 combo Blu-Ray CD/DVD drives · 420-disc capacity
Printer	SpeedJet Pro Color Printer
Language Support	English, Chinese, German, French, Japanese
Software	DCMburner Advanced DICOM Burning software; PPNG Network Software Suite — includes built-in disc mastering and labeling applications; Disc Manager disc index & storage software
Maximum Writing Speed*	BD-R Single Layer 12X, BD-R Dual Layer 12X, BD-RE Single Layer 2X, BD-RE Dual Layer 2X, DVD+R 24X, DVD+RW 8X, DVD-R 24X, DVD-RW 8X, DVD+R DL 10X, DVD-R DL 10X, CD-R 52X, CD-RW 52X
Supported Disc Formats	BD-ROM, BD-R, BD-R DL, BD-RE, BD-RE DL, DVD-ROM, DVD-R, DVD-Video, DVD-RW, DVD+R, DVD+RW, CD-ROM, CD-R, CD-Audio Disc, CD-RW, Multi-session Photo CD™, CD-I, Video CD, CD-ROM XA, & CD Extra (CD Plus)
ARCHIVE — DS900 CABINET	
Capacity	490 slots with 2-disc cases — 980 total discs · approx. 50TB per cabinet
Embedded PC	Linux-based touchscreen PC · User Interface Dashboard accessed via web browser or portal
Dimensions	40 × 69 × 12 inches (W × H × D) — 200 lbs
Expansion	Link up to 16 units from a single controlling unit — up to 800TB
COMMON TO BOTH UNITS	
Network	100/1000 Gigabit Ethernet
Power Supply	115V or 230V
Operating Temperature	40°F ~ 95°F
Operating Humidity	20% ~ 90%
Regulations	FCC, CE, RoHS
Warranty	Zeus MD AE includes a 3-year extended warranty

*Actual write speeds may vary by media type and manufacturer.

SHIPPING DETAIL

Autoloader (Boxed)	30 × 22 × 27 in — 45 lbs
Drive Tower (Boxed)	20 × 15 × 11 in — 25 lbs
Printer (Boxed)	18 × 17 × 10 in — 30 lbs
Storage Cabinet (Wooden Crate)	75 × 45 × 23 in — 381 lbs

ZEUS 4H MD BUILT-IN PC INCLUDES

- Intel Quad-core i5 CPU
- 256GB SSD for OS + 4TB HDD for cache/storage
- Microsoft Windows 11 Pro 64-bit
- DCMburner, PPNG Network Suite, Disc Manager, Label Editor
- Server and Client applications
- Windows Anti-Virus security software

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Zeus MD AE Data Sheet · Software

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DICOM SOFTWARE FEATURES

- Low-cost alternative to duplicating film
- Intuitive interface turns novices into experts in minutes
- Receives and stores DICOM images onto a custom labeled Blu-Ray CD/DVD from a DICOM network
- Touch screen ready
- Drag & drop DICOM files
- AES 256-bit encryption
- DICOM Query/Retrieve
- Burn studies directly from your web browser
- Burns studies automatically as soon as they are received
- Built-in MySQL service
- Built-in web server service
- Disc spanning for large studies
- Automatically removes studies after publishing
- Easy enable/disable of the Web Module
- Export to folder or USB
- Includes new Weasis Viewer
- On-demand disc creation and labeling directly from modality workstations
- Physicians can access multiple studies on one single Blu-Ray or CD/DVD
- Auto-generates a DICOMDIR root file and HTML, stored on each disc
- Prints dynamic info: Patient ID, Patient Name, Study Description, Institution, etc.
- Studies viewable from disc using one or more DICOM viewers

SUPPORTED DICOM VIEWERS

Philips **Weasis** **RadiAnt** **Syngo FastView** **Onis** **eFilm** **Osirix** **TSI** *and many more…*

SOFTWARE & NETWORK

- **NO license restrictions** limiting the number of copies produced
- **Does NOT block** the use of third-party or alternative disc media
- Fully asynchronous production — duplicate and print at the same time
- Network-wide control of the production process by Windows clients
- **On-demand publishing** with customized label printing
- Automated production of media including label printing
- English, Chinese, German, French, and Japanese language support
- User notifications via email
- **Disc Manager** database software indexes stored discs on the DS900 archive

DS900 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
- **Lower total cost of ownership** — less energy, maintenance and storage cost than HDD or tape
- **Regulatory compliance** — helps meet requirements while maintaining data integrity and Chain of Custody
- **Scalable storage** — expand capacity as your data grows
- **Simple deployment & management** — Windows CIFS access, web-based management, standards-based UDF support

RELIABILITY & SUPPORT

- Works 24/7 without interruption
- Handles small or large batches of multiple CD/DVD/BDs, or unique per-disc jobs
- Manufactured in the USA
- Operating since 1996