

PROSTOR InfiniVault® — DICOM

For companies wanting to dramatically slash the cost of storing and backing up their DICOM images, ProStor InfiniVault® - DICOM provides a long-term storage system for deep archive of medical images, patient data and business files. Unlike other disk-based storage systems, ProStor InfiniVault integrates removable disks to provide the ease of access and performance of online storage with the economics of offline storage. The intelligent, secure data preservation capabilities of ProStor InfiniVault - DICOM provides HIPAA compliance. The system is also a cost-effective alternative to tape or optical storage for deep archive that is reaching capacity and/or becoming obsolete. Use with:

- PACS systems
- RIS systems
- Modality connections
- DICOM viewers

ProStor InfiniVault - DICOM is an integrated data preservation storage system for DICOM images that attaches to any IP-based network. The system simplifies the management of data by also managing the retention and storage of CIFS and NFS files.

DICOM Image Archive

ProStor InfiniVault – DICOM is a scalable, secure and affordable solution for DICOM image archive. It provides the performance and accessibility of disk-based archives with the cost and scalability benefits of traditional tape or optical alternatives. ProStor InfiniVault receives and manages DICOM objects over the network for modalities, RIS and PACS systems and retrieves them on request. Benefits include:

- Integrated DICOM server with 3.0 conformance
- Preconfigured AE Title for DICOM usage
- HIPAA compliant data storage
- WORM storage throughout the system
- 30-year archive life without media migration
- Removable, encrypted copies of images for offsite protection

Healthcare Data Preservation

In addition to storing DICOM objects, ProStor InfiniVault – DICOM can simultaneously provide long-term data preservation for the business system data in the Healthcare Information System environment. The system is designed to automate compliance with the most rigorous business rules, whether driven by corporate policies, government regulations or legal requirements.

With a simple one-time setup, data stored in ProStor InfiniVault – DICOM is automatically retained for the required length of time then deleted. All the while authenticity, immutability, accessibility and confidentiality are maintained. The system encrypts offline data, supports E-discovery activities, makes multiple copies and provides complete audit trails for determining chain of custody. ProStor InfiniVault – DICOM is a flexible data preservation solution that is capable of meeting compliance needs at no additional costs for hardware, software or infrastructure changes.

RDX® Removable Disks

ProStor InfiniVault – DICOM incorporates the proven technology of the RDX® removable hard disk drives. Advantages of RDX drives include:

- Infinite capacity – simply add cartridges
- A 30-year archive life – verified by independent test lab
- Technology Protected – Higher capacity RDX cartridges can be utilized as available: drives and media are backward and forward compatible – no media migration ever
- Industry-standard RDX cartridges - available from multiple manufacturers

Lower Storage Costs

ProStor InfiniVault – DICOM lowers the costs of storage in a number of ways including:




- Economical image and healthcare data preservation for long-term retention
- Reduces power consumption up to 75%
 - RDX removable disks spin down when not transferring data
 - No periodic spin-up required
- Lowers cooling requirements
- Provides near-infinite scaling for storing images and files

Ease of Use

The ProStor system is simple to install and easy to use. It can be configured as a target for DICOM images and business files in 30 minutes or less. Simple, web-based administration does not require any training. And ProStor InfiniVault – DICOM requires no additional software licensing.

Key Product Features

- **Integrated DICOM software** – with DICOM 3.0 conformance.
- **Multiple data retention and deletion policies and eDiscovery** support for DICOM and multiple file applications and content indexing/searching for standard file types.
- **Automatic protection of data** – up to four copies of data can be made.
- **Powerful AES-256 encryption**
- **Encryption keys managed internally** – simplifies management of secure data.
- **Complete audit trails are tracked with InfiniVault** - provides chain of custody reporting.
- **Built-in system security** – ensures only authenticated access to the system and files.
- **Copies of files can be exported from ProStor InfiniVault** – DICOM to standard RDX cartridges on any server or workstation.

ProStor InfiniVault — DICOM — Product Specifications			
Model	Model 3	Model 30	Model 100
Image			
Product Configuration	All components integrated into a single tower configuration with integrated DICOM software	Integrated system controller and network disk with separate removable disk unit (RDU) with integrated DICOM software	Separate system controller, network disk and removable disk units (RDUs) with integrated DICOM software
Removable disk Online capacity*	1.5 TB (3 TB compressed)	5 to 15 TB (10 to 30 TB compressed)	10 to 50 TB (20 to 100 TB compressed)
Total capacity	Infinite		
Controller	Tower	2U rack mount	2U rack mount
Dimensions: W x D x H	7.8" x 18.3" x 16.7"	17.4" x 28.75" x 3.50"	17.4" x 28.75" x 3.50"
Weight	40 lbs	40 lbs	40 lbs
Network disk	Internal to appliance	Internal to appliance	3U External
File Area size	700 GB	2 TB	9 TB
Dimensions: W x D x H			17.3" x 22.5" x 5.00"
Weight			65 lbs
RDX Drive Configuration	Internal to appliance	3U removable disk unit	3U removable disk unit
Base number	3	10 (one RDU)	20 (two RDUs)
Max. number	3	30 (three RDUs)	100 (ten RDUs)
Dimensions: W x D x H		17.4" x 21.25" x 5.25"	17.4" x 21.25" x 5.25"
Weight		50 lbs	50 lbs
Total weight	40 lbs	90 lbs (190 lbs full configuration)	205 lbs (605 lbs full configuration)
Total height	16.7"	8.75" (5U) 19.25" (11U full configuration)	19.25" (11U) 61.25" (35U)
Warranty	Standard 1-year limited hardware, 90-day software warranty		

* Online capacity based on 500 GB native capacity RDX cartridges with 2:1 compression



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