

Image Vault Dimension Server

Easy Access and Storage of DICOM Images

Image Vault Dimension Server is a fully DICOM compliant image and data manager for cardiology exams. The modalities supported include cardiac angiography, ultrasound, nuclear medicine, and PET. With automatic resource management and virtually hands-free operation, the Image Vault Dimension Server provides the efficiency required for today's film-less diagnostic departments. The Image Vault Dimension Server can be purchased as a software solution or as a turnkey solution.

Standards and Modalities

- Fully compliant with DICOM storage and network communication protocols
- Open architecture provides DICOM image management to GE and other vendors
- Multi-modality support, including cardiac angiography, GE's exclusive "TruAccess" ultrasound raw data, DICOM ultrasound, nuclear medicine, and PET images
- Scalable server-attached RAID storage, up to 2.8 TB (terabytes)
- Supports Centricity Cardiology CA1000, EchoPAC PC "TruAccess" Ultrasound review station, and various DICOM image review stations
- Supports connectivity to existing Hospital NAS or PACS systems



Fault Tolerance

- Automated backup of system files
- Multi-level redundancy, including redundant power supplies, fans, and RAID-5 with hot spare
- Complete suite of remote system diagnosis and support tools
- Comprehensive protection from power surges and power loss



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Archiving Options*

- Full compatibility with GE's Centricity Enterprise Archive for combined radiology and cardiology data storage
- Compatible with hospital-provided NAS and PACS systems
- Truly scalable, modular deep-archive libraries, with storage from 0.9 TB to over 19 TB
- Ability to create redundant copy of archive

Database Management

- Comprehensive database management tools, including demographic editing, exam splitting and permanent recording of image modification and deletion activities

Other Options*

- Intranet/Internet access to images via the Centricity Cardiology CV Web
- Nuclear Cardiology Imaging Support

* All options require "Advanced solution" minimum requirement configuration.

- X-ray Angiography Imaging Support
- PET Imaging Support
- Auto Routing
- Exam Pre-Fetch
- Basic HIS Interface Module – ADT interface
- Advanced HIS Interface Module – Bi-directional ADT and Result interfaces

Warranty

The published company warranty in effect on the date of order shall apply. Software will be provided and warranted under the terms of a Software License Agreement. GE Healthcare reserves the right to make changes to the applicable warranty(ies).

	400	800	1400	2800
Processor(s)	Dual Xenon, 3.6 GHz Processors, 1 MB Internal Cache			
Disk Capacity	2.0 GB	80	174	238
Systems Disk	RAID 5	RAID 5	146 GB mirrored	146 GB mirrored
Network	Dual 10/100/1000 Mbps			
Internal Drive Space	438 GB	876 GB	146 GB	146 GB
External Drive Space	N/A	N/A	1460 GB	2920 GB
DICOM Ultrasound Exams (240 MB/Study)*	1800	3588	5980	11960
Raw Data Ultrasound Exam (330 MB/Study)*	1360	2718	4530	9061
Raw Data & 3D Exams (480 MB/Study)*	934	1869	3115	6229
RAID Configuration	Level 5, hot spare	Level 5, hot spare	Level 1 and Level 5, hot spare	Level 1 and Level 5, hot spare

* The study sizes shown are representative sizes only. Actual study size may vary based on procedure and probe types.

	Shipping Weight (lb/kg)	Operating Weight (lb/kg)
Mini Rack (14U)	190/85.2	135/51
Half Rack (22U)	225/102.1	176/79.9
Full Rack (22)	284/129	253/114.8
Server	N/A	60/27.22
RAID Enclosure	N/A	68/30.9

Operating Temperature	10°C – 35°C (50°F – 95°F)
Operating Humidity	10% – 90%
Heat Output	2508 BTU

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Maximum Hardware Requirements for Software Solution	Basic Solutions	Advanced Solutions
Processor	Pentium 4, 2GHz	Dual Xenon, 2 GHz
System Memory	1 GB	2 GB
System Drive Memory	2 GB	2 GB
Image Drive Space	200 GB	400 GB
OS	Windows 2003 Server	Windows 2003 Server
Network Adaptor	100/1000 MB Ethernet	100/1000 MB Ethernet
USB Port	1 Open Port	1 Open Port
CD ROM	1 CD/DVD ROM Drive	1 CD/DVD ROM Drive
Macintosh Services	For Mac Clients	For Mac Clients



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