



PYRAMIS[®] System Specifications



Database/interface server software specifications

Operating systems supported

- Windows 2003 Server R2 (Standard Edition) (32-bit version)

Database

- IBM DB2 Universal Database Manager[®], Workgroup Edition, V 7.2
- Relational database
- Published schema
- ODBC-compliant (supports off-the-shelf report writers like Microsoft Access[®], Crystal Reports[®])
- No storage limitations (stores as much as your hard drive allows)
- Supports up to 1,000 concurrent client connections

Data security

- Configurable password protection and database-level security
- Optional password expiration and automatic client logoff
- Fail-safe transactional logging ensures no records will be lost in the event of system failure
- Nightly backup

Interface server recommended for

- HL7 and DICOM Interfaces

Administrative client software specifications

Operating systems supported

- Windows XP[®] Professional SP2 (32-bit version)
- Windows 2003 Server R2 (Standard Edition) (32-bit version)
- Windows Vista[®] (Business, Ultimate) (32-bit version)
- Windows 7 (32-bit version)

Web server software specifications

Operating system supported

- Windows 2003 Server R2 (Standard Edition) (32-bit version)
 - > Microsoft Internet Information Services (IIS), 6.0
 - > Internet Explorer 6, 7, or 8

Web client software specifications

Operating systems supported

- Windows 2000[®] Professional (32- or 64-bit version)
- Windows XP Professional SP2 (32- or 64-bit version)
- Windows 2003 Server R2 (Standard Edition) (32-bit version)
- Windows Vista (Business, Ultimate , Premium, Home) (32- or 64-bit version)
- Windows 7 (32- or 64-bit version)

Internet browser

- Internet Explorer 6, 7, or 8

Web security

- Recommend using SSL for all communications with web servers
- Web server(s) should be run behind the facility's firewall
- Content that contains patient data must expire
- A valid web session is required for all web services that expose patient data.
- ActiveX[®] controls are marked as safe for scripting and signed by Cardiac Science Corporation.
- Adding the Pyramis Web server to the trusted sites internet zone is recommended.

HL7 interfaces

- ECG, stress and Holter modalities supported
- HL7 V2.x support
- Interfaces supported
 - ADT/orders
 - Billing
 - Results reporting
 - > Text only, no waveforms or associated image
 - > Text and waveform data, no associated image (ECG only)
 - > Text plus associated image file of report (TIFF or PDF)
 - > Image file of report only (TIFF or PDF), no HL7 message
 - > Text with URL reference

DICOM interfaces

- Results reporting
 - DICOM with Encapsulated PDF

Networking

- Supports standard TCP/IP for networking
- Does not operate as primary domain controller
- Does not require separate subnet
- Minimum bandwidth 100 Mbps (with no congestion)

Remote access options for support

- RAS and VPN (Requires remote desktop application)

Regulatory approvals

Software

- CE marked in accordance with 93/42/EEC (Medical Device Directive)

Recommended Database/Test Server Hardware Specifications*

- Dual 3.0 GHz processor (minimum)
- 4 GB SDRAM (minimum)
- RAID5 hard drive configuration
- Four hard drives, 72 GB each (min)
- DVD drive
- Generic mouse and keyboard
- CE and CSA approved
- Integrated video (16 mb minimum)
- Network Interface Card
- (1) COM port

- (2) USB ports
- Redundant power supply

Recommended Interface/Web Server Hardware Specifications*

- Dual 3.0 GHz processor (minimum)
- 4 GB SDRAM
- Hard Drive, 80 GB (minimum)
- DVD Drive
- Generic mouse and keyboard
- Integrated video (8 mb minimum)
- Network Interface Card
- (1) COM port
- (2) USB ports
- Redundant power supply

*Hardware specifications subject to change on availability

Barcode Scanner Specifications

- Must support code 3 of 9 (Code 39)
- Requires programming of barcode scanner to Cardiac Science specifications prior to use

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