SIEMENS

VB10 Upgrade for MI SPECT Systems

Reach new levels of efficiency with Windows 7

Answers for life.

MI SPECT VB10 Upgrade

Reach new levels of efficiency with Windows 7

Upgrading to MI SPECT VB10 helps you maximize the potential and longevity of your installed systems. Because MI SPECT VB10 is built on the Microsoft® Windows® 7 platform, it allows you to stay current with the latest technology and applications, as well as improve the return on your system investment. The MI SPECT VB10 upgrade supports performance enhancements, such as workflow optimization, faster image acquisition and processing, speed to diagnosis, and patient throughput, that can improve your clinical capabilities and competitiveness. Plus, MI SPECT VB10 delivers better security and system stability compared to older Windows platforms.

Contact your Siemens representative for more information about the MI SPECT VB10 upgrade, and discover the many ways it can help you reach new levels of efficiency.

MI SPECT VB10 Upgrade Highlights

- Microsoft Windows 7 operating system
- Full integration of the Symbia.net™ product line with main MI apps version
- Support for 10 concurrent users on Symbia.net client server management
- Dose reduction with IRIS[1] (Iterative Reconstruction in Image Space) on Symbia® 6- and 16-slice SPECT/CT systems
- Scenium Subtraction app for advanced seizure workflow[2]
- Cardiac quantification apps:
  - Cedars-Sinai Cardiac Suite v2012[2]
  - Corridor 4DM v2013[2]

Standard Enhancements

Software Quality
MI SPECT VB10 is built on the Windows 7 operating system, which provides increased security and stability compared to Windows XP and continued platform support from Microsoft.

Symbia.net—Extended Multi-Seat System
The new Symbia.net offers a 10-seat configuration—the server as the first seat and nine concurrent users—for increased efficiency. It is simple to install and operate, and connects to existing cameras, RIS, and PACS.

Image Reconstruction System
MI SPECT VB10 delivers improved reconstruction algorithms and more powerful reconstruction hardware to expedite imaging results and decrease technologists' waiting time.

eStart
The eStart option for SPECT/CT systems gently warms up the X-ray tube after extended periods of downtime to help reduce deterioration caused by cold starts. In non-urgent cases, such as daily system startups at high-throughput facilities, the eStart feature decreases start-up time and helps extend the X-ray tube's lifespan.

The MI SPECT VB10 upgrade supports performance enhancements, such as workflow optimization, faster image acquisition and processing, speed to diagnosis, and patient throughput, that can improve your clinical capabilities and competitiveness.

Hardware Enhancements[3]

MI SPECT VB10 allows you to meet the increasing demands for better speed and performance, and improves the stability of your system.

MI SPECT Systems

Acquisition Workplace
(HPz4 series)
• Intel Xeon Quad Core CPU
• 8GB RAM
• 2 x 500GB SATA Hard Drive
• Optical DVDRW
• NVIDIA Quadro Graphics Card

SNAC Workplace
(HP_RP_5 series)
• Intel Core Dual Core
• 4GB RAM
• 1 x 500GB SATA Hard Drive
• Optical DVD-ROM

MI SPECT/CT Systems

Acquisition Workplace (ICS)
(Fujitsu M7 series)
• Intel Xeon Quad Core CPU
• 8GB RAM
• 4 x 300GB SAS Hard Drive
• Optical DVDRW
• Dual Port Gigabit Ethernet Card
• NVIDIA Quadro Graphics Card

Image Reconstruction System (IRS)
(Fujitsu M7 series)
• Intel Xeon E5-1620v1 3.60 GHz
  4 Core 10M Cache
• 8GB RAM
• 1 x 450GB SAS Hard Drive
• 1 x 300GB SAS Hard Drive
• Optical DVDRW
• Dual Port Gigabit Ethernet Card
• NVIDIA Quadro Graphics Card

SNAC Workplace
(HP_RP_5 series)
• Intel Core Dual Core
• 4GB RAM
• 1 x 500GB SATA Hard Drive
• Optical DVD-ROM

MI Workplace/Symbia.net
(HPz8 series)
• 2 x Intel Xeon Quad Core CPU
• 16GB RAM
• 2 x 300GB SAS Hard Drive
• Optical DVDRW
• Dual Port Gigabit Ethernet Onboard
• NVIDIA Quadro Graphics Card

Available Applications

MI SPECT VB10 supports the following:

Cedars-Sinai Cardiac Suite v2012[2]
The software includes a comprehensive toolset for automatic segmentation, quantification, and analysis of nuclear cardiology studies to process and review Cardiac SPECT datasets.

Corridor 4DM v2013[2]
The software displays high-quality images to accurately quantify nuclear studies and improve the detection of coronary artery disease. Application enhancements include multi-monitor support, HL7 for exporting reports, and auto-workflow selector.

IRIS[1]
IRIS enhances spatial resolution and reduces image noise by introducing multiple iteration steps in the reconstruction process, enabling dose reduction by up to 60% for a wide range of clinical applications.[4] IRIS is available on Symbia 6- and 16-slice SPECT/CT systems.

Scenium Subtraction[2]
Scenium Subtraction provides three workflows, including an advanced workflow for epileptic seizures. The data display and analysis software utilizes SISCOM to deliver a reproducible visual assessment and quantification of a seizure. It also provides an automated and customizable noise filtering tool to help identify potential epileptic foci in the brain.

Discover the many ways MI SPECT VB10 can help you reach new levels of efficiency.

Contact your Siemens representative for more information and pricing.

[1] Available for purchase (with VB10 only).

[2] Customers running the Cedars or Corridor 4DM applications are required to purchase the updated versions with the VB10 upgrade. Customers running Neurogam receive Scenium Subtraction at no charge.

[3] Hardware enhancements include a new Siemens Nuclear Acquisition Computer (SNAC).

[4] In clinical practice, the use of IRIS may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

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