

All-in-One DICOM Workstation & PACS Archive

Ideal for Specialty Practices such as Orthopedic, Podiatry, Neurology, and Chiropractic



- ✓ The high resolution monitor and advanced DICOM image enhancement capabilities included with EESi's All-In-One DICOM Workstation & PACS Archive **improve patient care** through **enhanced visualization**.
- ✓ Full query and retrieve support from other DICOM sources **enhances productivity** and **improves the office workflow** with immediate access to imaging studies on an ultrafast, high performance workstation.
- ✓ With a built-in universal DICOM image viewer, EESi's All-in-One system **simplifies reads from other sources** with the use of a single, easy-to-use viewer.

The All-In-One DICOM Workstation & PACS Archive from Essential Enterprise Solutions, Inc. (EESi) packages the features and functionality traditionally associated with DICOM workstations and expensive radiological imaging systems into an easy-to-use, affordable and reliable workstation and archive ideal for physicians and specialty practices of all types. These robust, standalone systems can be used with virtually any medical imaging modality and can be deployed as an image archive in low volume environments to access, store and distribute patient studies. With a 27-inch high-definition color monitor and powerful DICOM viewing software, our solution allows you to view images with vivid clarity and ultrafast performance.

EESi's All-In-One DICOM Workstation & PACS Archive brings enhanced flexibility to the medical imaging workflow by giving you the freedom to immediately access images from your modalities, import DICOM images from CD/DVD, export images for surgery, and receive digital images directly from imaging centers - *all from a single, cost-effective system*. The system's advanced imaging processing capabilities incorporate image organization tools, 2D, 3D and 4D reconstruction tools, and sophisticated image fusion methods to simplify navigation and visualization of multi-modality and multi-dimensional images.

Greater Flexibility & Simplified Reads from EESi

With full workstation functionality and capabilities to receive, view and store DICOM images, EESi's All-In-One DICOM Workstation & PACS Archive quickly pays for itself in terms of efficiency and reduced administrative costs. Plus, with the addition of the EESi Physician's Portal*, patients studies and images can be accessed securely from any Internet-enabled device - *both on-site and off-site*.

*Additional Charges Apply





High Definition Color Display

Available with a 27-inch high-definition color display, the All-In-One DICOM Workstation & PACS Archive from EESi delivers ultrafast performance, an intuitive interactive user interface and vivid clarity for navigating and visualizing multi-modality and multi-dimensional images.



○ Modality Support

These standalone workstations integrate seamlessly with virtually any digital medical imaging modality including CR, DR, CT, MRI, and more.

○ Remote Access

EESi's optional Physician's Portal extends the All-in-One solution - allowing patient images and studies to be accessed securely from any Internet-enabled device.

○ Standalone Archive

These robust workstations can be deployed as an image archive in low volume environments (<15k studies) to access, store and distribute patient studies.

○ Ease of Use

EESi's All-In-One DICOM Workstation & PACS Archive interfaces with other network attached DICOM workstations, film/document scanners and DICOM printers. Images can be easily saved onto portable media such as CD, DVD or USB drive - or printed on a DICOM printer.

System Specifications

DICOM Support

- DICOM Storage SCU/SCP
- DICOM Query/Retrieve SCU
- Import/Export Capabilities for Various Image Formats (DICOM, TIFF, JPEG, PDF, AVI, MPEG, and QuickTime)
- 64 Bit FDA Cleared DICOM Viewing Software Installed and Configured

Image Manipulation

- 3D Volume Rendering
- 4D Viewer for Cardiac-CT and other Temporal Series
- 5D Viewer for Cardiac-PET-CT and other Temporal Series
- Image Fusion with Adjustable Blending Percentage
- MPR (Multi Planar Reconstruction) with Thick Slab
- Curved-MPR
- Surface Rendering
- Volume Rendering
- MIP (Maximum Intensity Projection)
- Stereo Vision with Red/Blue glasses

Technical Specifications

Workstation

- 3.2GHz Intel Core i3 Processor
- 4GB 1333MHz DDR3 SDRAM
- 1TB Serial ATA Hard Drive
- 2TB External Disk Assembly (RAID 1, 1 TB Usable after RAID)
- 8x SuperDrive
- ATI Radeon HD 5670 graphics processor with 512MB of GDDR3 memory

Display

- 27-inch LED-backlit glossy widescreen TFT active-matrix liquid crystal display with IPS technology
- **Resolution:** 3.6 Megapixels
- **Viewing Angle (typical):** 178 degrees Horizontal, 178 degrees Vertical
- **Brightness (typical):** 375 cd/m2

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The All-In-One DICOM Workstation & PACS Archive from Essential Enterprise Solutions, Inc. (EESi) fall under the FDA classification of 21 CFR 892.2010 Medical image storage device, and are exempt from premarket notification procedures in subpart E of part 807.



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