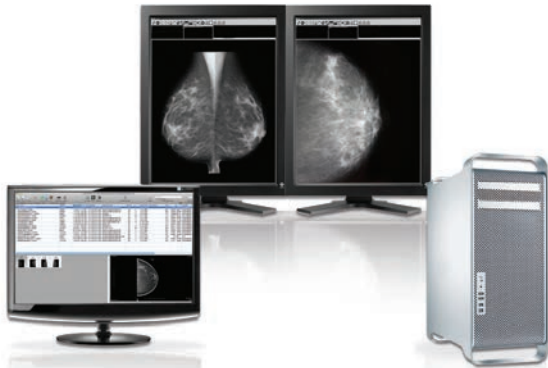


# Mammography Workstations

Comprehensive Workstations for Efficiently Viewing & Processing Digital Mammography Images

## Supporting Early Detection With Accuracy & Consistency



- ✓ EESi's Mammography Workstations utilize advanced hanging protocols that incorporate expert viewing methodologies to **optimize the mammography workflow** and **support fast and consistent reads**.
- ✓ With high resolutions and the capability to display high density images, EESi's high performance monitors **deliver the precision, accuracy and consistency required for early detection**.
- ✓ As a true multi-modality mammography workstation, DICOM breast images from FFDM, CR, DR, MRI, US, and more can be reviewed side-by-side - **improving workflow and efficiency**.

With advanced features and functionality, razor-sharp images, and an intuitive, easy-to-use graphical user interface, the Mammography Workstations from Essential Enterprise Solutions, Inc. (EESi) deliver a robust solution for receiving, viewing and temporarily storing digital mammography images at an exceptional value. These vendor-neutral mammography workstations comply with industry standards - *including the IHE Mammography guidelines and Mammography Quality Standards Act* - and can be used with virtually any medical imaging modality, including CR, DR, MRI, CT, Ultrasound, and more. Additionally, the workstations can be integrated seamlessly with PACS solutions for archival and long-term storage of the digital mammography images.

EESi's Mammography Workstations include a powerful workstation that supports advanced hanging protocols, CAD system integration, and rapid image rendering for fast access to patient images; a linked pair of FDA mammography-cleared grayscale high definition displays for precise diagnostic readings; and, a color administrative display for worklists. For maximum utilization, the workstations can even be used as a general purpose workstation when not in use for mammography reads.

### *Faster, Better Reads from EESi.*

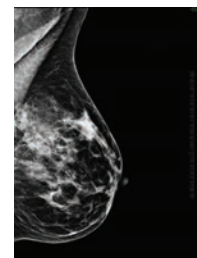
By combining ultrafast performance and sophisticated image processing capabilities with a simple, flexible and intuitive user interface, the EESi Mammography Workstations empower radiologists to provide a better patient experience and diagnosis while improving patient volumes.





## Precise Image Quality Equal To Or Better Than Film Mammography

Designed and optimized specifically for displaying digital mammography images, the EESi Mammography Workstations feature high definition, high resolution, linked-pair displays capable of rendering 15 mega sub-pixels for the utmost in precision and accuracy. Uniform brightness, the correct display of subtle grayscale shadings, and extreme image sharpness deliver vivid clarity allowing radiologists to detect subtle differences, masses and calcifications for more confident interpretations. Additionally, EESi's easy-to-use quality control software performs precise calibration conforming to DICOM Part 14 and enables quality control complying with ACR Practice Guideline and other QC standards for digital mammography displays.



### ○ 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)

### ○ 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

## Advanced Mammography Viewing Tools

EESi's Mammography Workstations offer a set of feature-rich, yet easy to use, viewing tools to aid in the reading and interpretation of mammography studies and priors. These advanced tools give users the ability to pan, zoom and magnify a region of interest, add text or graphical annotations, and perform line measurements. Additionally, mammography-specific hanging protocols display images according to preconfigured radiologist preferences and can be customized to define preferred methods of presentation and manipulation.

## Technical Specifications

### Workstation

- 2.8GHz Quad-Core Intel Xeon "Nehalem" processor
- 8GB memory
- 1TB hard drive
- 18x double-layer SuperDrive
- 2x ATI Radeon HD 5770 with 1GB GDDR5

### Color Administrative Display

- Samsung 24" height adjustable LCD monitor

### Monochrome Diagnostic Displays

- Pair of 21.3" TFT Monochrome LCD Displays
- Resolution: 5 Megapixels
- Grayscale Tones: 12-bit (SPD Off only) : 4,096 from a palette of 13,771 tones 10-bit : 1,024 from a palette of 3,571 tones
- Viewing Angle (typical): 170 degrees Horizontal, 170 degrees Vertical
- Brightness (typical): 700 cd/m2
- Calibration Kit



For more information on any of our products or services, please visit us on the Web at:

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