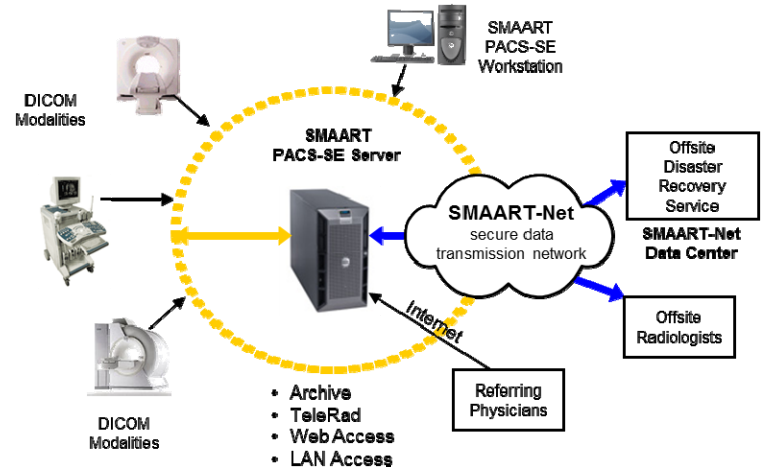# SMAART PACS-SE
PACS/Web/Telerad

INTRODUCTION

The SMAART PACS Server Edition (SE) is the ultimate PACS solution for small facilities on a tight budget. The PACS-SE supplies all the hardware and software needed for a HIPAA-compliant filmless solution at a low cost. It is so affordable that it pays for itself from film savings. The SMAART PACS-SE contains a technologist workstation and reliable Dell server hardware with CD burning along with the capabilities of a teleradiology system, a Web server and a DICOM archive.

The PACS-SE receives images from all your DICOM 3.0 modalities and allows your staff to send, receive, view, manipulate, and archive images. The archive can also be queried from other DICOM devices on your network allowing convenient access to prior studies.

FEATURES & BENEFITS

Image Viewer

- Review and manipulate data received from DICOM modalities
- 3D/volume, 3D/MIP and MPR functions
- Multiple examinations with cross referencing
- Pan & zoom, window levels, measurement and cine functions
- Synchronized stacking and annotation
- Mouse thumbwheel scroll for slice-by-slice viewing
- Print to any local or network paper printer
- 19" high-resolution color flat panel display

Technologist Workstation

- Validate images and information
- Retrieve priors
- Displays single or multiple slice images
- Manage transmissions
- Perform DICOM print (optional)
- Manage archive

Other

- Supports HL-7 interfaces and DICOM modality worklist

Archive

- On-site/on-line archiving
- 1 TB to 3 TB of on-board storage
- RAID-5 technology
- Disaster recovery-CD or USB backup (optional)

Teleradiology/Web Server

- "Push" studies to off-site radiologists or physicians
- SMAART-Net, Web, and VPN enabled
- Distribute reports and images to referring physicians via the Web
- Password and encryption security
- Notification of physicians when images are assigned

Third Generation DICOM Communication System

- SMAART-Acceleration for image transmission up to 5 times faster than normal VPNs
- Automatic rules-based routing of images for time of day and multi-location transmissions
- Maximum uptime with automatic fault detection
- Real-time transmission status
- Graphical User Interface for managing image transmissions