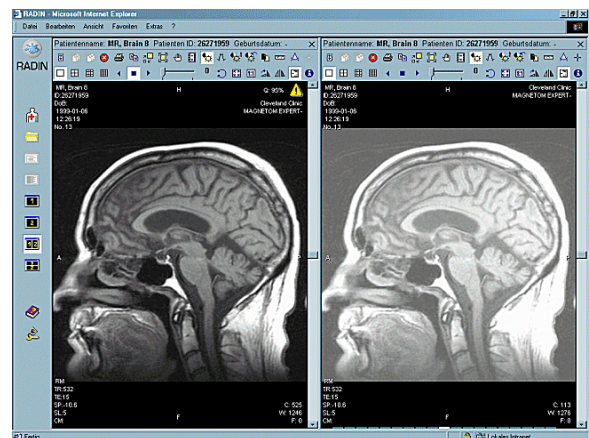# Genesis OmniWeb

Omni-WEB™ PACS is a secure, powerful image management system for the distribution, visualization, processing and archiving of medical image data. All DICOM images can be utilized, including DR, CR, CT, MR, US, NM, Angiography, Cardiology, Endoscopy and Intra-oral. Video and audio broadcast are also supported. **Omni-WEB™ PACS** allows the transmission of medical images across the Internet or through a Local Area Network (LAN). Using only a standard PC and Web browser, patient images and data can be displayed anywhere Internet access is available. Annotations to the images are visible simultaneously for all participants. For security, **Omni-WEB™ PACS** has administrative-defined user access, a firewall and SSL-data encryption to guarantee critical patient data is handled safely.

Archiving – Images can be archived in their original format or in a "lossless" compressed mode to save space. Additional compression for specific images can be selected to increase transmission speed. **Omni-WEB™ PACS** archive is based on the reliability of modern RAID systems and is scalable from 500 GB to several terabytes. Data integrity is guaranteed through reliable checksum mechanisms and internal consistency checks. All archiving options can be traced in accordance with HIPAA.

Security – **Omni-WEB™ PACS** is built using sophisticated security features such as user authentication, secure data transmission through SSL encryption, access control via user groups and configurable user permissions. Security on **Omni-WEB™ PACS** is role-based and supports integrated Windows authentication, which allows access rights for specific user groups. For example, certain groups may view diagnosed images and reports while others may only view the images of their referred patients. In short, the system administrator can predefine access for user groups and individuals for every image, report and data set throughout the system.

Web-Based Clients for Image Distribution – **Omni-WEB™ PACS** clients use Microsoft Internet Explorer 6.0 and an integrated set of tools for efficient workflow-oriented viewing and reporting of medical images. The Web-based architecture ensures all images are available immediately throughout the healthcare enterprise. **Omni-WEB™ PACS** supports all important DICOM modalities, color and grayscale monitors, and single and multi-frame images. Multiple options for image manipulation include zooming, panning, windowing, DICOM Query, Export and Print, search filters, quick zoom, magnifier, density profile, scout lines, Windows print, dual monitor support and report viewing. Edge enhancement, grayscale inversion, measurement tools and ROI analysis facilitate the image workflow. Display protocols can be preconfigured for user groups or configured individually for each user.

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Workflow – **Omni-WEB™ PACS** clients provide an intuitive and easy-to-learn user interface in 6 possible languages. In addition to roaming user profiles and display protocols, **Omni-WEB™ PACS** offers filtering options which can be set up quickly and easily for increased productivity. Users can create referral patient media (CD or DVD) which includes an integrated viewer. **Omni-WEB™ PACS** also offers an easy-to-use editor for creating and modifying reports. The system is easily integrated with hospital information systems via URL and HL7 interfaces and supports additional Diagnostic Viewers.

Remote Administration – Web-based remote administration saves valuable resources and time. All features can be securely accessed, including auto-report queries to RIS/HIS systems, modality performed procedure step functionality, auto-deletion of old data, archival and the creation of patient media.

Omni-WEB™ PACS – Hardware

- ► Dell PowerEdge 2900 Tower Chassis
- ► 2.8 GHz/2MB Cache, Xeon 800 MHz Front Side Bus
- ► Memory: 2 GB, 400 MHz (2x1G) Single Ranked DIMMS
- ► 7.2K SATA HDD, PE2900
- ► CERC 6-Channel SATA RAID Controller, 64 MB Cache
- ► 1.44MB Floppy Drive
- ► Windows Server 2003 R2 Standard Edition with 5 CALS
- ► On Board Network Adapter
- ► CDRW/DVD Combo Drive 48GB 48x32
- ► SATA RAID 5
- ► Redundant Power Supply with Straight Cords
- ► Dell 17" Flat Panel Monitor
- ► Keyboard & Mouse
- ► 3 Year Hardware Support – Next Business Day Parts & Labor On-Site

Package includes:

- ► Omni-WEB™ PACS Software License
- ► DICOM Q/R Option
- ► Audit Trail (HIPPA)
- ► Omni-WEB™ PACS Archive Software License
- ► Omni-WEB™ Hardware
- ► User Manuals
- ► 12 months Technical Support
- ► Pre-Configuration

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