

Patient diagnostic life cycle management

Web enabled with rich GUI for ease of use

Custom report generation

Image editing enabled

Annotation facility

Email prompts for quicker action and smoother workflow

Compliance with healthcare industry standards

Search feature for fast access of files

High security standards, user/ role based access

Inbox for smoother workflow

Neumeric Technology's **Med E-Image Viewer** – the latest, cutting-edge medical image viewer provides a centralized repository for all medical images and videos in DICOM format. Med E-Image Viewer is a secure software solution for importing, organizing, viewing, annotating, sharing the patient diagnostic images and reporting either locally or from a remote location. Med E-Image Viewer comes along with a highly functional 'web' and 'desktop' clients. This allows the user to customize the end report on the studies as per individual requirements.

Med E-Image Viewer has been built on a robust platform, leveraging Microsoft technologies with provision for archiving and exporting of medical imaging data as per the roles and authorizations defined. Med E-Image Viewer can receive and store messages from any DICOM modalities. Image processing features like zoom, flip, reverse; contrast/ brightness, rotate have been provided. Innovative report generation features like ability to create customized reports, templates have been incorporated. Annotations like circle, arrow, text boxes etc can be placed to create notes on the image and the same can saved for future reference. One of the unique features of Med E-Image Viewer is the integration with the Inbox, thereby providing smooth communication between the various users.

Product Features

DICOM File Management

- Import DICOM Files
- Bulk Upload Multiple Patient Studies.
- Convert Non-DICOM Images (JPG, BMP, TIFF etc)
- Export Selected frames to Windows Media (AVI)
- Work-list Search
- Encounter and Series Merge/Split
- Multiple Patients CD/DVD burning with Custom Viewer
- E-mail / Internal Memo of Images
- Bulk Export to External Destination

DICOM Annotation

- Shapes (Rectangle, Ellipse, Triangle, Arrow, Text, Freeform)
- Measurements (Angle, Cobb Angle, Shapes)
- Format (Color, Thickness, Style)
- Actions (Resize, Move, Delete, Extend)
- Physician Comments (Rich Text)
- User Profile

DICOM Information

- View DICOM header Information
- Query on DICOM Header & Patient Data
- Multiple Modality Support (US, CT,)
- DICOM DIR support
- Supports most DICOM data types
- E-Mail/Memo in several formats: DCM, JPEG, TIFF, BMP, PDF

Medical Image Processing

- Filters (Color Filters (RGB), Brightness, Contrast)
- Invert image, convert to monochrome
- Image flip (Horizontal/vertical)
- Rotate Image (Clockwise, Anticlockwise)
- DR masking
- Image zoom (Preset Levels, Fit to Screen) Pan
- Magnifying Glass (Zoom, Adjust Size)
- W/L, W/L All, Auto W/L
- W/L Presets

Study Reporting

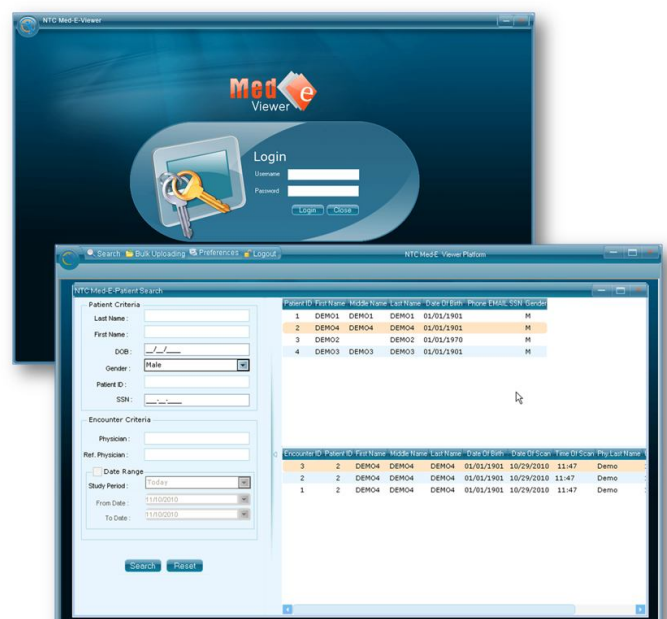
- Study Data captured in custom forms
- Template based report generation
- Physician comments (Rich Text)
- Export Report in standard formats (Word, PDF)
- Mail/Memo report in standard formats.

Additional Features

- Supports Windows XP Professional, Vista & 7
- Seamless integration to EMR
- Native Print support
- Rich UI through web and desktop access

HIPAA SPECIFIC FEATURES

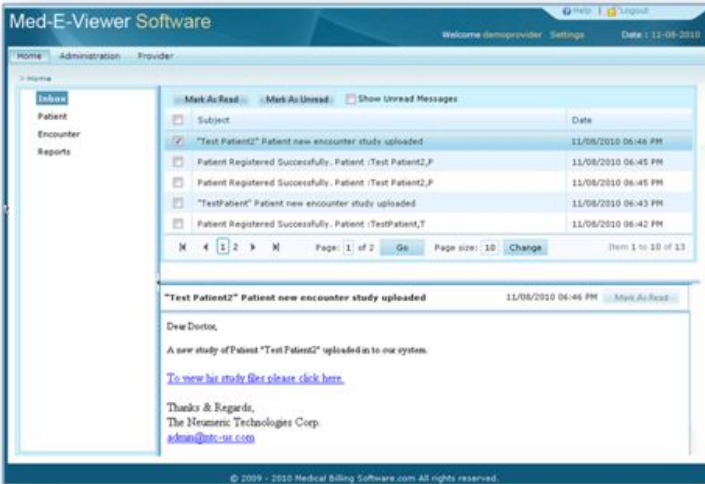
- HIPAA SECURITY CHECKLIST
- USERNAME/PASSWORD PROTECTION
- 128-BIT ENCRYPTED CLIENT CCESS
- ADMINISTRATED USER ACCOUNTS
- DEFINABLE ACCESS FOR ALL ARCHIVES
- MODIFICATION & EXPORT PRIVILEGES
- OFFSITE BACKUP FUNCTIONALITY



Med E-Image Viewer Login & Search



Annotations



Inbox Facilitation

Key Benefits

Centralized data storage for all medical imaging data for higher security and lower costs of maintenance

Data storage on to imaging machines not required

Robust server for storing data from any imaging machine

Ability to bulk-upload data for several studies

High quality color mapped images with measurement

Fast and unique image rendering with ability to move in the image for pinpointing the problem area

Custom search provision to access patient records, reports and other details from anywhere

Flexibility for physicians to search the 'Study Data' from either the web or a desktop client

Annotation feature for the studies, with ability to save and share

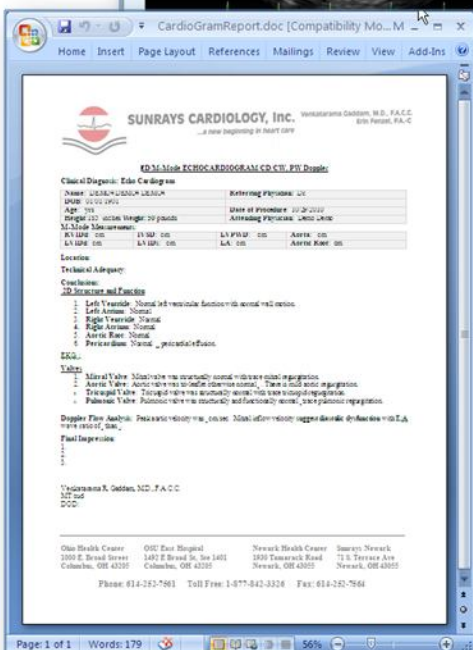
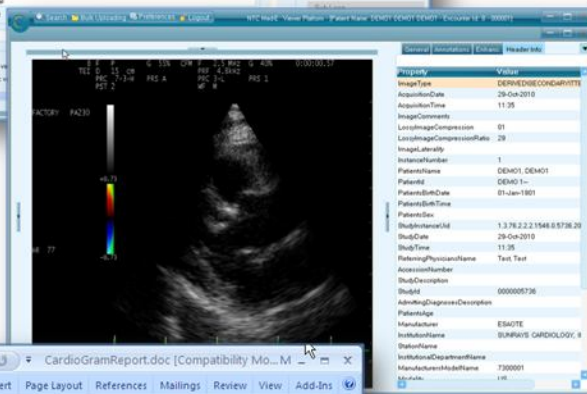
Fine grained custom security model as per industry norms and standards

Custom report generation on basis of results and diagnosis; provision for user Templates

No unique hardware requirement

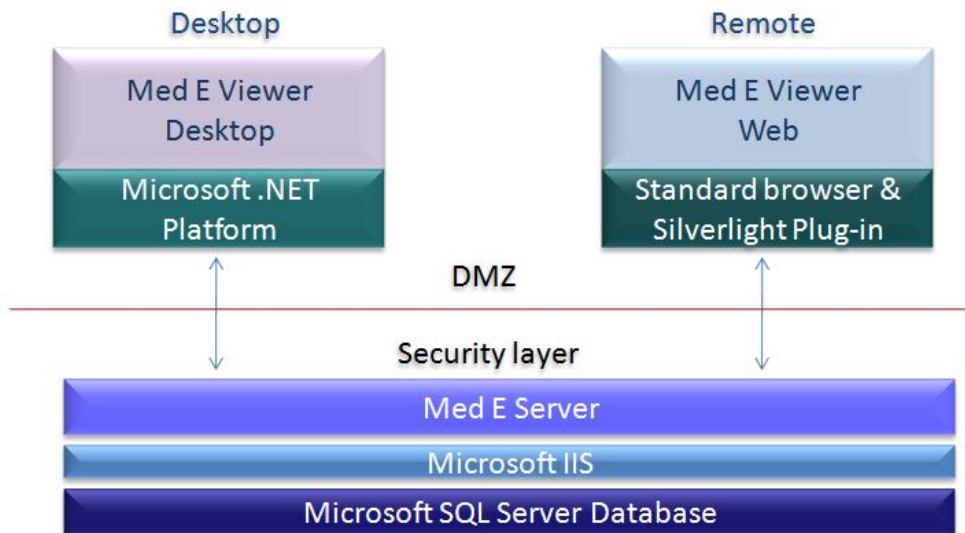


Image Viewers

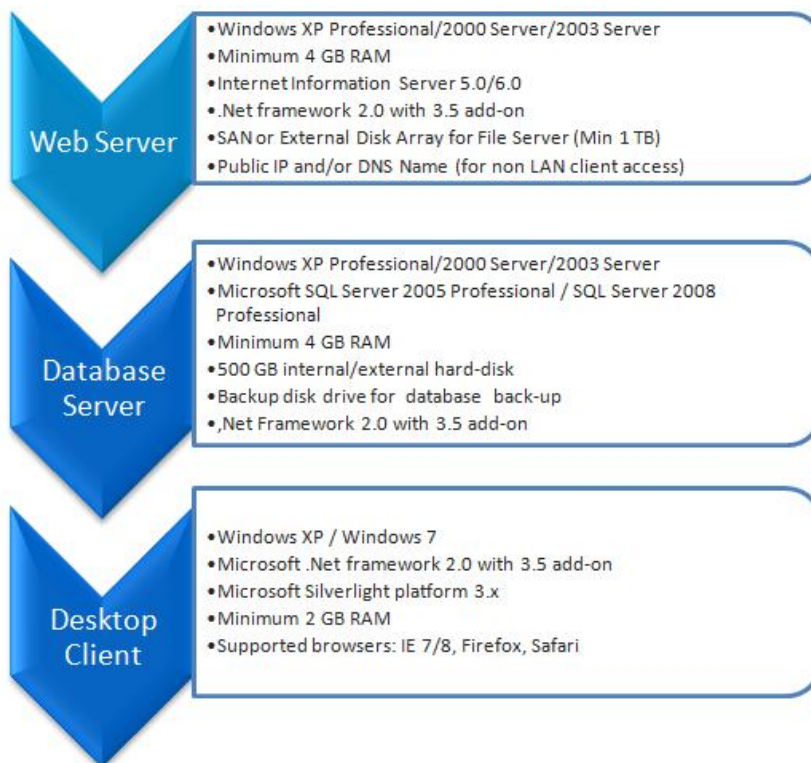


Final Report

Med Image Viewer Deployment



Hardware Requirements



Technology details

Enhanced Microsoft Security Framework for custom security

Solution built completely on .NET

Telerik based UI for high performance and rich visual controls

DICOM modules from ClearCanvas

Web Client based on ASP.NET; Desktop Client based on C# Windows application

Silverlight for Image Navigation and Image Mapping

About Neumeric Technologies Corporation (NTC)

Having proven expertise in product and solution development, NTC, with support from medical doctors, is geared to develop innovative products for high-precision medical imaging industry. With over two decades of experience, NTC has emerged as a trusted partner for its clients in industry verticals that include automotive, manufacturing, healthcare, insurance and financials. Every product released by NTC's Healthcare division fulfils the dual objective of optimizing the efficiencies of healthcare professionals while ensuring exceptional care to the patients. NTC keeps its promise to its clients by constantly evolving through research, delivery and support.

NTC offers Transcription Services through Sudhi Infomatics – an affiliate.