continued

Advanced Hanging Protocol
- Very Advanced Hanging Protocol allows for the automatic display of MIP/MPR, 3DMPR, VR, Virtual Endoscopy, cloning, scout lines and hanging of prior studies
- Various viewing modes, side-by-side study comparison, stack viewing, scrolling, animation, and cross-study linking
- Each user can create a new VAHP from the current environment with a single click on the "SAVE AS AHP" button

Web based
- Web-based solution with fast image loading technology enables the radiologist to improve reading efficiency over the WAN or any environment
- Web-deployable solution allows automatic, transparent updates/upgrades from a central location
- Distributes data with 128-bit encryption for compliance with HIPAA regulations

Multi-facility synchronization
- Instant image display and centralized database for multi-facility-medical institutions
- Eliminates film transportation and multiple application management within the same organization Remote Site Caching Servers allow each facility to store and access their local images instantly eliminate any WAN network concerns
- All Remote Caching Servers constantly are interacting with the central database server - storing the exams and downloading prior exams

64-bit CPU
- 64-bit CPU support enables the viewer to load thousands of images QUICKLY and reconstruct them EVEN QUICKER

Benefits

Streamlined communication
- Increases workflow efficiency with comprehensive and integrated information provided by a single system
- User-defined hanging protocols and presentation status enables the users to reduce reading turnaround time and improve diagnostic productivity
- Built-in dictation and speech recognition logically and intuitively replaces any inferior workflow
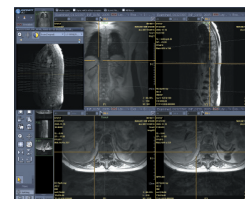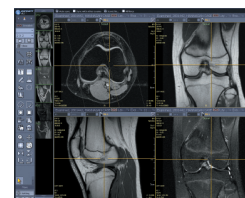
Complete patient information
- Interpreting physician has instant easy access to patient information such as prior results, exam notes, allergies, etc. along with all other essential RIS data
- Easy access to relevant prior studies based on body part, CPT code, modality type, and user preferences
- Always synchronized information is distributed throughout the enterprise

Efficient Analysis
- Intuitive user interface provides straightforward processes for primary reading, further revision and system administration
- Embedded post processing solution increases diagnostic accuracy and eliminates the need for a separate, third-party workstation
- User-configurable worklist provides various searching filters, including body part, modality, exam status, exam date, age range, referrals etc
- User-configurable hanging protocol, presentation status and individual roaming profiles can be copied to other users and user levels to eliminate unnecessary reconfigurations

INFINITT PACS

Based on experience and proven technology, INFINITT PACS is a completely web-based suite designed to meet and exceed the requirements of each individual user. The product is ready now, but prepared for the future requirements necessary in advanced radiology reading stations. The system boasts centralized management modules for system administrators and completely secure access for referring physicians and transcriptionists. The embedded 3-D includes most of the practical functions as part of the PACS Viewer, eliminating the need for a stand alone workstation which is detrimental to the departmental workflow. The offering also provides a full array of image management tools including image acquisition, reporting, storage, displays and web distribution devices.

Features

Data Acquisition
- Able to acquire images and information from any DICOM source
- Completely scalable; single modality centers, multi-site organizations, large medical centers
- Automatic load balancing and spooling overcomes network-related issues
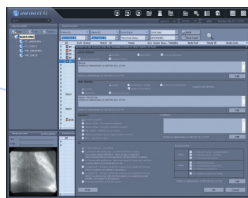
Image Archiving & Backup
- Unique dual online archive for image security and failover to prevent any downtime
- Standard and customizable image compression for faster distribution and maximum storage capacity
- Unconditional data backup and offsite storage for disaster recovery
- CD-R, DVD-R and/or Tape with automatic labeling for disaster recovery and distribution

Image Distribution & View
- Anytime and anywhere access for enterprise users
- Complete access to all exam data and viewer functionality
- Tailor-made application profiles for technologists, radiologists and referrals
- Pre-existing HIS/RIS information available through HL7 interface
- Various user-configurable settings, worklist wizards, very advanced hanging protocols, and roaming profiles provide individuals with an optimized viewer interface
- Individual user-configurable worklist
- INFINITT's roaming profiles allow each individuals settings to follow them regardless of where they log in
- Efficient and instant communication tools for technologists, radiologists, ED doctors and referring physicians
- DICOM compatible Grey Scale Presentation State (GSPS)
- Automatic spine labeling on all images
- Automatic drawing of Scout Lines on selected images. Any user can define any image as the scout image quickly and intuitively
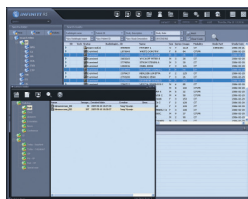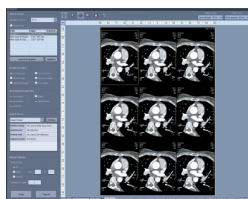
Voice dictation and transcription
◎ Embedded digital dictation stores MP3 or wavelet exam interpretations on the central server.
◎ Transcription can be completed from anywhere by accessing the central server via the web.
◎ Simplistic dictation interaction with the speech microphone
◎ Seamlessly integrated with any existing or optional third party voice recognition system
◎ Simple Speech recognition is embedded into the Infinitt Reporting Module

CD burning
◎ Enterprise CD capability at any workstation
◎ Included: studies, radiology reports, patient demographics, historical data, essential RIS information and comprehensive image viewing software
◎ Automatic customizable labels printed, including study information and facility information and logos.
◎ Web-based viewer enables user to display the exams on the CD without any installation or downloading necessary

Integration
◎ Purely DICOM and HL7 compliant solution
◎ Bi-directional integration for complete data flow
◎ Broker-less information integrity with INFINITT RIS and 3D
◎ Enables and ensures information integrity through the entire workflow from patient ADT, scheduling, order, exam and report
◎ Synchronizes patient information between HIS, RIS, PACS, and modalities, image capture, archiving and distribution

Security and Privacy
◎ Entire system is designed with secure and encrypted web protocol. 128-bit SSL encryption allows reliable protection of patient information
◎ IHE security profile-compliant user authentication creates individual event logs
◎ Configurable role-based access control allows administrators to define specific privileges and access levels for each user and group
◎ Allows for a unique login and password for internal and external access
◎ Administrator configurable auto logoff also provides a further level of security
◎ HIPAA compliant auditing, reporting, and statistics display the demographics of all user based or patient based record activity

Security
◎ Entire system is securely managed by TLS, DICOM digital signature
◎ User Accounts & Permissions, Modality authorization
◎ Reinforcement of Log Level & Audit trail
◎ 6-Level Log provides precise and accurate information
◎ Detailed Logging of Invalid DICOM IOD

Standard Compliance
◎ IHE
  GSPS
  - Management of Annotation & Graphic information available as a standard method by using the GSPS function, GSPS Reader and Creator
  - Provides multiple look up tables for image quality, Overlay, Annotation, LUT and Shutter
  - Sends GSPS in addition to the original DICOM images
◎ DICOM
  All modules are DICOM compatible and provide DICOM Storage SCU, DICOM Query / Retrieve SCU, DICOM Print SCU, DICOM DIR FSR/FSC, DICOM GSPS and DICOM JPEG compression
◎ HIPAA
  Entire system is designed with securely encrypted web protocol. 128-bit SSL encryption which protects patient information and offers HIPAA compliant auditing, reporting, and statistics which display the demographics of all user and patient record activity

Film Scanning
◎ Automatic scan, automatic routing, viewing and archiving for conventional film and non-DICOM Images
◎ 16-bit image scanning
◎ Connectivity with various scanners and Digital cameras: Vidar & Howtek film scanners, Document scanners, Fuji & Kodak Digital Camera
◎ DICOM Worklist-compliant solution simplifies the film scanning process, reducing patient data entry time and errors
◎ Various layout presets
◎ Split functionality allows quick and simple splitting CT/MR films into individual frames

Differentiators
PACS, RIS and 3D on a single database platform
◎ Unique broker-less, integration-less marriage of RIS, PACS and 3D maintaining data integrity throughout the enterprise

Secured data storage & disaster recovery
◎ Always online storage and real-time multi-level backup ensures efficient storage management and optimizes server performance. Robust Oracle technology maintains a strong platform

Speed
◎ Just-in-Time loader, progressive loading and Jpeg2000 compression mechanism delivers images and information in one second anytime and anywhere throughout the facility. Background loading eliminates any delay in image viewing when loading large or multiple exams