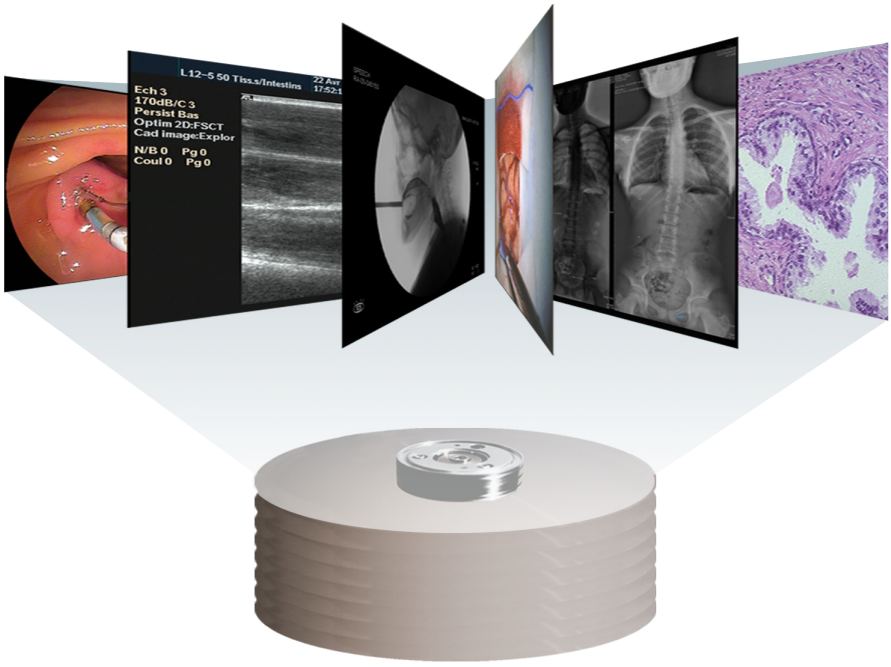
ETIAM STaR

Medical Image **Storage and Distribution** Server



Improve management of digital images produced in imaging departments.

Images scattered across various imaging sources and workstations are centralized and made accessible to the entire institution.

Images can be automatically routed to workstations and disc recording solutions for increased efficiency.

Institution practitioners have simple, controlled access to images simply using a Web browser.

Like other ETIAM products, the image server supports all medical images including black and white, color, still and multiframe images, and can also store non-radiological images.

An extension to browser is available for streaming video sequences.

STaR can be connected to an information system so that images from a patient's records can be accessed online.

The solution can easily integrate with an institution's storage area network (SAN).

As a scalable solution, its storage capacity can be progressively increased as the business grows.

STaR can provide online or shelf archiving.

ETIAM STaR

Recommended Requirements

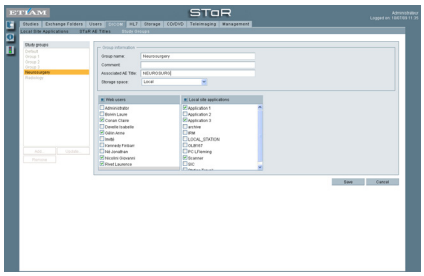
Processor: Intel Pentium IV (or higher)

Operating system: Linux RedHat 5

RAM: 2GB

Controller and disks: SCSI with RAID5 support

Network adapter: 1GB



Management of study groups.

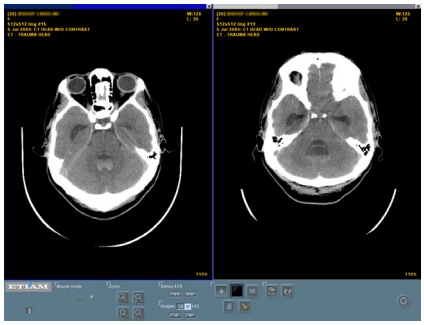


Image viewer.

Study lists.

Main Features

Automatic reception and storage of all types of DICOM objects sent by the modalities. Reports can be stored in DICOM SR (Structured Report) format.

Automatic image routing to DICOM imaging equipment.

Image retrieval from any DICOM imaging workstation.

Image viewing (windowing, zoom, comparison…) in a Web browser without installing anything at the workstation.

Sending a selected study to a DICOM workstation using the Web browser.

Study classification.

User permission management for controlling access to studies.

Automatic recycling of storage space by saving the most recently viewed studies.

Ability to use external storage space (SAN, NAS…) to backup received studies.

Interfacing with the information system to link patient records to images.

Any information system can be used with STaR to access, view or receive images.

Teleimaging features can be added to STaR (optional).

Certification

HIPAA compliant.

Web Administration

No special IT skills are required to administer the solution.

Declaring DICOM imaging equipment.

Management of users and of their permissions.

Configuring storage and routing.

Logging of DICOM receptions and transfers, and online connections.

Usage statistics.

Connectivity and Standards

DICOM 3.0: Store SCP and SCU, Query and Retrieve SCP, Storage Commitment. Management of all DICOM object types: Images (CT, MR, US, VL…), still or multiframe, with or without compression, or non-images (Structured Report, Key Object Selection Document, Presentation State, RT objects).

Uses standard interface to enable information systems to access DICOM- or JPEG-format images. WADO (ISO-17432), DICOM MIME Type (RFC 240).

IHE compatibility: Scheduled Workflow, Access to Radiology Information, Key Image Note, Simple Image and Numeric Report…

Benefits

Universal Web viewer for the entire institution.

DICOM compatibility which makes it possible to extend storage to non-radiological images.

A scalable, sustainable solution for an efficient storage and routing system.

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