Your Vision, Our Future

DICOM Communication Module

Simple, cost-effective solution for endoscopy image management
and seamless integration over medical networks

DICOM Communication Module

Designed for use with the Olympus EVIS EXERA III endoscopy system, the DICOM Communication Module provides a simple and cost-effective image management solution for endoscopy labs that can seamlessly integrate with existing electronic medical records by way of a Picture Archiving and Communication System (PACS).
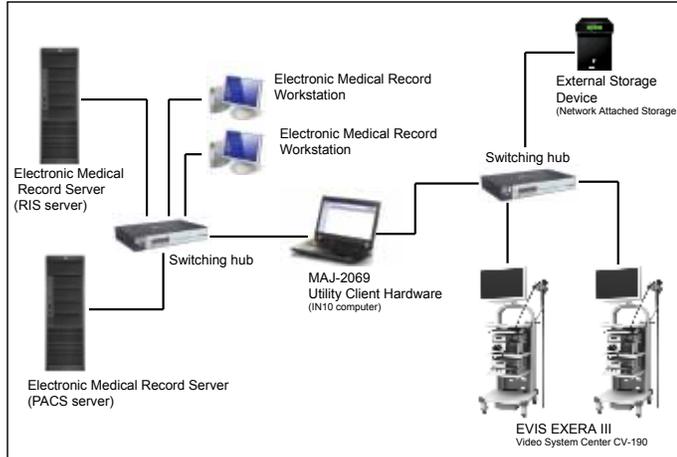
Overview

The DICOM Standard

DICOM (Digital Imaging and Communications in Medicine) is a global information technology standard that is widely adopted by hospitals worldwide. It is designed to ensure the interoperability of systems used to produce, store, display, process, send, retrieve, query, or print medical images and derived structured documents as well as manage related workflow.

The DICOM Communication Module

The DICOM Communication Module delivers safe, efficient, and reliable endoscopy image storage without the added expense of a full endoscopy information management system. The intuitive DICOM Communication Module can be easily initiated at the point of procedure.

Electronic Medical Record Workstation

Electronic Medical Record Workstation

External Storage Device
(Network Attached Storage)

Electronic Medical Record Server
(RIS server)

Switching hub

Switching hub

Switching hub

MAJ-2069
Utility Client Hardware
(IN10 computer)

Electronic Medical Record Server
(PACS server)

EVIS EXERA III
Video System Center CV-190

DICOM Communication Module Architecture

Features and Benefits

Simple

The DICOM Communication Module communicates with the electronic medical record registration station via a modality worklist (a list of scheduled endoscopy exams sent to the DICOM Communication Module) or by manually entering patient data. Utilizing the EVIS EXERA III endoscopy system's keyboard, the user selects the appropriate patient from the menu, avoiding retyping errors. After the endoscopic exam, the captured images are immediately uploaded from the EVIS EXERA III endoscopy system to the DICOM Communication Module for transmission to the PACS server for storage.

Cost-effective

As an alternative to a full endoscopy information management system, the DICOM Communication Module is designed to give endoscopy providers only what's needed … a solution that can electronically unite endoscopy images with patient histories in the electronic medical record system.

Compatible

Healthcare facilities are increasingly concerned with operational efficiencies and interoperability to complement workflow. The DICOM Communication Module is designed specifically for use with the EVIS EXERA III endoscopy system and a DICOM records conformance statement is available, helping to confirm compatibility with existing electronic medical records systems.

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