

# DCMSYS Rapid DICOM Router



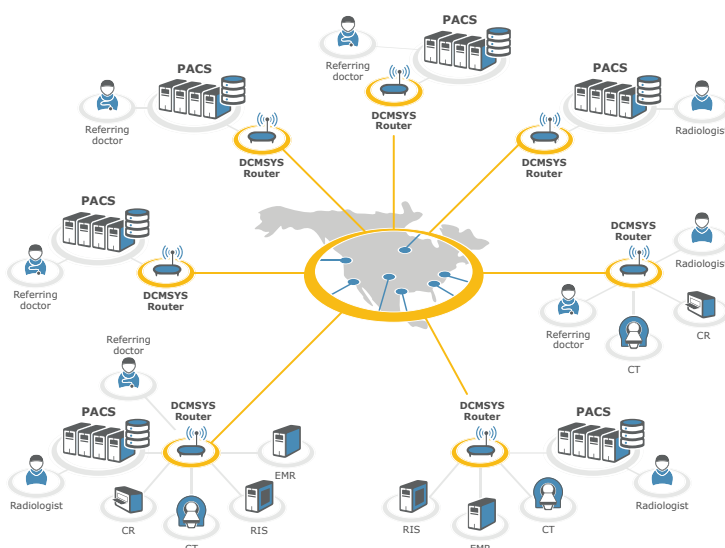
**Data Distributing**  
the Image Distribution People

DCMSYS Rapid DICOM router significantly simplifies remote imaging networks across healthcare enterprises. DCMSYS web-based architecture creates a 'virtual' distributed radiology enterprise between various medical facilities. This allows patients to have reliable and immediate access to diagnosticians and treatment expertise across the Enterprise *regardless of their physical location*. With DCMSYS you can add any remote clinic, medical office or hospital to your remote imaging network in a matter of hours.

Rapid DICOM router is an easily configurable advanced router that fully supports DICOM 3.0 standard TLS encryption. It is designed as a horizontally scalable solution where multiple units create the DICOM Cluster managed via SNMPv3 protocol. Rapid DICOM Router requires minimum configuration, doesn't require an external IP and has built-in support functionality, which allows communication with the main support server on demand.

## Primary Functionality

- Ability to monitor local or remote system folders for new images / studies and route them automatically, using DCMSYS state of the art DICOM queuing and de-duplication algorithms
- TLS encryption for secure transmission of DICOM over the WAN HIPAA compliant JPEG2000 compression and JPEG-LS compression
- Designed to work with any DICOM-compatible viewer
- Transfer syntax handling: configurable transfer syntax support allowing datasets to be converted to and stored in any specified transfer syntax to minimize image delivery turnaround
- Incomplete study delivery check to insure full study transfer
- Easy-to-use configuration web GUI and setup wizard. 100% web-based solution
- SNMPv3 management module more statistics and monitoring
- Certificate management, import/export including PKI certificate support
- Secure Remote support capability
- HIPAA compliant Logging or monitoring of all DICOM transactions in a user-friendly, human readable format



- Using DICOM and HL7 standards, our routing appliance combines all of the sites and creates one virtual radiology enterprise with one single worklist for all.