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DICOMREADER

READING PORTABLE DICOM MEDIA INTO ANY PACS

*INSERT IT,
IMPORT IT,
VIEW IT*



VERSION 6.1





ACHIEVING THE HIGHEST COMPATIBILITY

DICOMReader can automatically read in virtually any medical imaging data, including various proprietary formats, DICOM dialects and even future DICOM formats.

Since most imaging centers and hospitals are forced to keep costs low and performance high these days, it is of great importance that the imaging workflow - including the importing of external patient data and its distribution inside and outside of the organization - runs quickly and smoothly.

A prerequisite of this smooth workflow is to create universally compatible formats that can be read by every PACS. In the real world, no PACS can easily import every type of medical image. Imaging specialists often have to deal with proprietary formats, incomplete studies or inconsistent images, and even with the fact that the DICOM format itself is in continuous development.

DICOMReader puts an end to those compatibility issues. Being a powerful tool which ensures

full readability of all medical image formats, it allows for the importing of any medical images into every PACS.

To get the most benefit out of the workflow, it is highly recommended that DICOMReader is installed at the front desk. By delegating the data administration, valuable time can be saved by physicians while patient studies are automatically read from the portable media into any PACS. Now, physicians will find all external patient studies available for immediate access in their PACS or preferred viewer.

DICOMReader recognizes and imports all medical image files stored on a patient's media and, if necessary, converts them into a format that can be read by the locally installed PACS. In the process, it can even adopt patient information from the local RIS/PACS to match external studies with internal data. In addition, DICOMReader supports all of the 119 modalities defined in the DICOM Standard!

By using DICOMReader physicians can save time and rely on consistent data that can be effortlessly forwarded to other colleagues for second opinions.



DICOMReader FEATURES

IMPORT

- Easy import of virtually any patient CD/ DVD/ USB media into any PACS
- Blu-ray, CD/DVD and USB media detection
- Completely automatic media scan or manual scan of directories
- Suppression of Autoplay for other content on the media
- Minimization of DICOMReader to the system tray for optimized use of the display

COMPATIBILITY

- Support of virtually all decompressions, e.g. JPEG-LS, lossless JPEG and JPEG 2000, lossless RLE compressed encoding and fully automatic compression
- Manual assignment of own accession numbers and IDs to read-in exams for reliable retrieval
- Option to send DICOM data without changing transfer syntax

WORKFLOW

Features for accelerating the HIS/RIS workflow:

- Rule creation for automatically transmitting images to an unlimited number of DICOM destinations
- Database to store media imports/exports
- Persistent history of import jobs
- Adaptation of patient demographics at different levels
- Alteration of study date and time (also for PACS and worklist queries)
- Possible assignment of same accession number to all studies of a particular patient on a medium

SECURITY/PRIVACY

- Configurable log system for all actions
- Optional anonymization of DICOM patient data for usage in multi-center studies

LICENSING

- Single (PC-based) or concurrent (floating user) licenses

LANGUAGES

- English, German, Spanish, Japanese
- Worldwide character set support (including Unicode)

DICOMReader PRO FEATURES

IN ADDITION TO DICOMReader FEATURES

IMPORT

Easy import of external patient CD/DVD media by:

- Intuitive tree-based selection of patients, studies, series, or images for easy import of external patient media

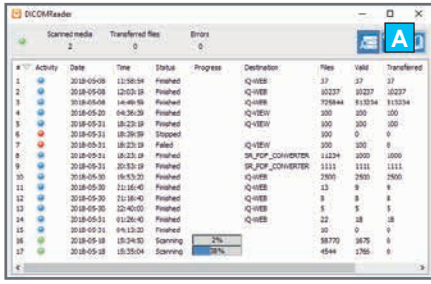
WORKFLOW

Features for accelerating the HIS/RIS workflow:

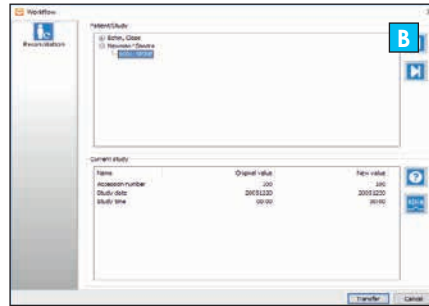
- Assignment of exam and patient data by Worklist or PACS query
- Rule-based automatic modification of DICOM tags

SECURITY/PRIVACY

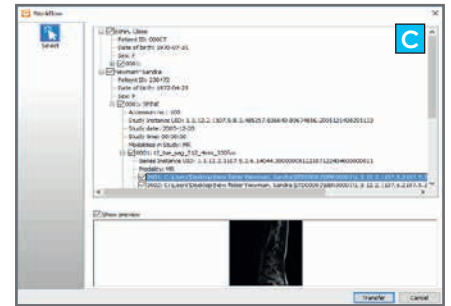
- Verification of patient data with existing PACS data while importing
- Consistent documentation of all applied changes in DICOM tags
- Legal disclaimer for external data optionally burned onto each image or added as the first image of a series



A Comprehensive overview and status of reading jobs



B Reconciliation screen - reliable assignment of external studies to local patient information (manually in BASIC, semi-automatically in PRO version)



C Tree-based view for easy selection of patients, studies, series or images to be imported (PRO version)



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