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DICOMReader

READING PORTABLE DICOM MEDIA INTO ANY PACS

A hand in a white sleeve holds a CD/DVD disc, poised to drop it into an open palm below. The background is a bright blue gradient with a soft white glow behind the disc.

*INSERT IT,
IMPORT IT,
VIEW IT*

lumedi
Digitales Röntgen

VERSION 4.0.1

DICOMReader 4.0.1

MAXIMUM COMPATIBILITY

FROM THE MARKET LEADER

Reading-in radiological imaging data from patients' portable media is becoming increasingly necessary.

Due to the multitude of study formats and viewers available in the world of medical imaging, the capability to import and review these data can become a major problem at the front desk.

The new DICOMReader 4.0.1 simplifies the handling of patient CDs tremendously.

Installing the DICOMReader at the reception of a medical facility enables the staff to read-in any medical image CD, DVD or USB media and transfer the patient studies directly to the respective viewing station or PACS via the network. This process allows examinations from external sources to semi-automatically adopt the numbering system of the RIS-PACS, therefore making them available for viewing and comparing with PACS studies.

Our DICOMReader achieves the highest world-wide read-in rate of medical CDs into any PACS.

Any removable data carrier, like CD-ROM, DVD or USB memory, will

be scanned automatically for available medical images when inserted into the computer. At the same time, the auto-start of software that may be included on the medium can be prevented. All detected images are then analyzed and, if necessary, automatically and consistently converted into a format that any PACS can process. For high data volumes, parallel handling (multi-threading) of the scan and transfer processes is possible, allowing the user to simultaneously read-in several media from different drives, ensuring a rapid workflow.

The DICOMReader has received several awards from various radiological societies for its user-friendliness, data integrity and security.

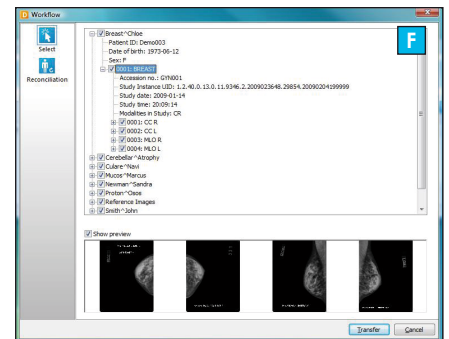
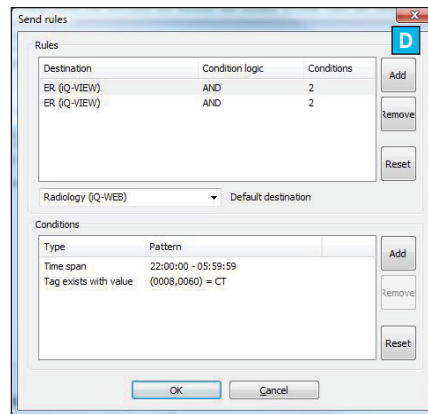
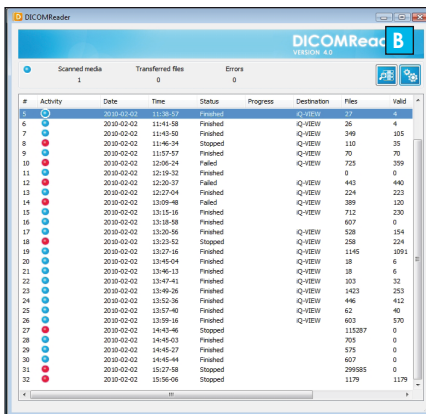
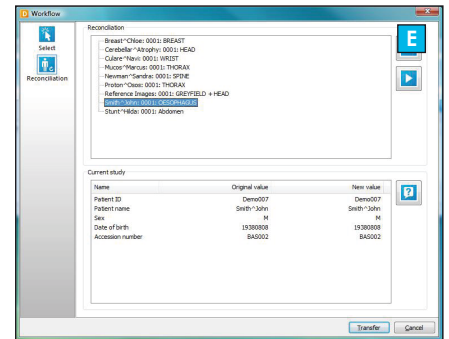
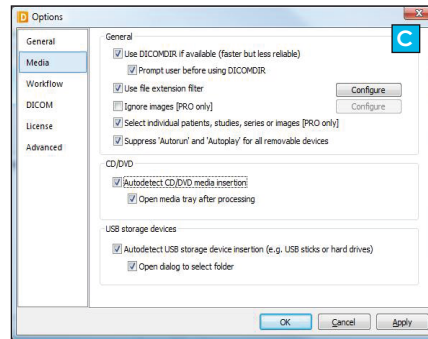
Numerous hospitals, clinics and doctor's offices have relied on the market leader for years. They

are holding in their hands a powerful tool that is continuously enhanced and improved through mutual collaboration.

A free trial version of DICOMReader/PRO 4.0.1 is available for download at www.dicomreader.com and can easily be set up by an administrator or a local reseller.



DICOMReader SCREENSHOTS



- A** Splash screen
- B** Comprehensive overview and status of the current jobs
- C** Media tab under Options dialog for individual adjustment
- D** User-friendly configuration of rule-based transmission
- E** Reconciliation screen - reliable assignment of external exam and patient data to your local PACS
- F** Tree-based view for easy selection of studies, series or images to be imported (PRO-version)

**THE SOLUTION
CAN BE SO SIMPLE**

DICOMReader FEATURES

IMPORT

Easy import of external patient CD/ DVD/ USB media by:

- CD/DVD media detection
- USB media detection
- Completely automatic media scan or manual scan of directories
- Suppression of automatic start of applications or content on the media
- Optimized use of screen display by minimization of the icon to the system tray bar

COMPATIBILITY

- Support of lossy and lossless JPEG and JPEG 2000 as well as lossless RLE compressed encoding and fully automatic compression
- Manual assignment of own accession numbers and IDs to read-in exams for reliable retrieval

WORKFLOW

Acceleration of the HIS/RIS workflow by:

- Configuration of an unlimited number of DICOM destinations, also by defining rules
- Automatic sending of images to a standard destination (Automatic creation of accession numbers)
- Extension of patient/study/attributes anonymization profile (NEW!)
- Database to store media imports/exports
- User-defined status monitor
- Enhanced workflow windows
- Different levels of modification of patient demographics (patient or study level)
- Alteration of study date and time (also for PACS and worklist queries) (NEW!)
- Possible assignment of same accession number to all studies of a particular patient on a medium

SECURITY/PRIVACY

- Comprehensive, configurable log system with flexible password protection (Enhanced logging features for all actions)
- Optional anonymization of DICOM patient data for usage in multi-center studies

LANGUAGES

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

CERTIFICATION

- CE 0482



DICOMReader PRO FEATURES

IN ADDITION TO DICOMReader FEATURES

IMPORT

Easy import of external patient CD/DVD media by:

- Intuitive tree-based selection process of studies, series or images

WORKFLOW

Acceleration of the HIS/RIS workflow by:

- Assignment of exam and patient data by Worklist and PACS query (NEW!)
- Automatic matching of patient data between PACS worklist server and data carrier according to demographic data (NEW!)
- Rule-based automatic modification of DICOM tags (NEW!)

SECURITY/PRIVACY

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



SYSTEM REQUIREMENTS

	MINIMUM	RECOMMENDED
OS:	Windows XP	Windows XP Professional, Vista, Windows 7 Windows 7 Professional (or higher) 32 bit
CPU:	Pentium III, 1 GHz	Pentium 4, 2 GHz
RAM:	512 MB RAM	1 GB RAM
HDD:	5 GB of empty hard disc space	20 GB of empty hard disc space
LAN:	10 Mbit/s network adapter	100 Mbit/s network adapter
Peripherals:	CD drive	Fast CD or DVD drive
Hardware:		Dell hardware



OUR SOLUTIONS FOR YOUR IMAGING NEEDS

iQ-VIEW

The radiology reading station

iQ-VIEW 3D

3D post-processing workstation

iQ-STITCH

Tool for the creation of full spine and full leg images

iQ-CAPTURE

Add-on hardware module for capturing images from analog video sources

OrthoView™

Add-on module for orthopedic templating and trauma planning

DICOMReader

Reading portable DICOM media into any PACS

iQ-WEBX

PACS server for storage, teleradiology and image distribution

iQ-WEBX WADO

Interface for easy access of medical studies from any MIS

iQ-PRINT

DICOM paper print server

iQ-ROBOT

Automatic burning and labeling of patient CDs and DVDs

iQ-ROUTER

Image compression for teleradiology and workflow management

iQ-WORKLIST

DICOM worklist server optimizing your workflow

iQ-MAIL

Simple teleradiology using DICOM email

iQ-NUC

Complete package for nuclear image processing

iQ-RIS

The smooth radiology information system

IMAGE DISPLAYS

Medical diagnostic displays

iQ-CR ACE

Efficiency in CR

