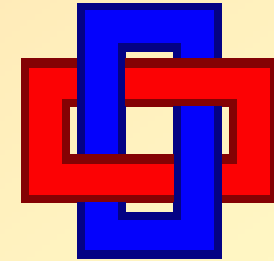


PowerDicom



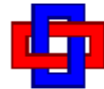
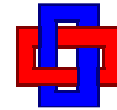
“All-in-one“ Application
for DICOM Files

-- Overview --



True
IT Solutions
for You

PowerDicom Editions



Users:

Personal Edition

- Patients
- Medical Laymen
- DICOM interested people

Basic Edition

- Physicians and Radiologists who want to confine to interactive use
- Students

Professional Edition

- Professionals:
 - Technical
 - Medical
 - Scientific

Expert Edition

- PACS Administrators
- DICOM Trainers
- Developers
- other persons, who are deeply DICOM-involved

Capabilities:

Viewer for Header Data

X

X

X

X

Editor for Header Data

X

X

X

Image Viewer

X

X

X

X

Image Editor

*

X

X

DICOMDIR Creator

X

X

X

Converter

X

X

X

DICOM Comparator

X

Word Report Generator

X

X

X

DICOM Help System

X

X

X

X

WADO Caller/Composer

X

X

X

PACS Interface

X

HIS/RIS Interface

X

Service Class Provider

X

Automation Toolkit

X

X

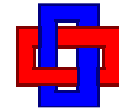
Validator

X



True
IT Solutions
for You

PowerDicom: General Features 1

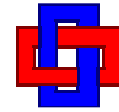


- Supports all Modalities (SOP Classes)
- Supports all Manufacturers
- Little endian / big endian
- Implicit / explicit VR
- Uncompressed, JPEG lossless, JPEG lossy, RLE compression, JPEG 2000, MPEG2, Deflate compression
- UTF-8 encoding supported
- Full DICONDE support



True
IT Solutions
for You

PowerDicom: General Features 2

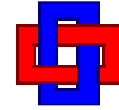


- DICOM RootUID support
- Read and Edit Structured Reports (SR)
- Data Dictionary includes about 3300 DICOM attributes (DICOM 2009), automatically updated
- Customizable Private Tags
- Load DICOM files directly from Internet or Intranet, WADO support



True
IT Solutions
for You

PowerDicom: General Features 3

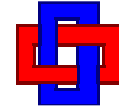


- Easy and intuitive user interface (Windows)
- MDI (Multiple Document Interface) Application, supports processing several files simultaneously
- Automatic Update Service
- Drag 'N' Drop, 'Send To' Interface
- MRU History



True
IT Solutions
for You

PowerDicom: General Features 4

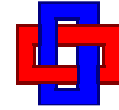


- Automation Interface (COM)
- Multi-monitor support
- Feature control by license key
- Speech Interface:
 - Text-To-Speech
 - Continuous Speech Recognition



True
IT Solutions
for You

PowerDicom: Editor Features 1

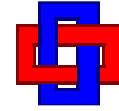


- Editing/ Creating/ Modifying of DICOM files
- Editing and saving of several files simultaneously, supports easy editing of datasets containing lots of files
- Cut/ Copy/ Paste/ Delete/ Insert DICOM tags
- Edit, Delete, Insert, Paste tags in many files simultaneously
- Includes a HexEditor (e. g. editing specific character sets)



True
IT Solutions
for You

PowerDicom: Editor Features 2

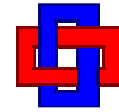


- Editor supports editing nested sequences (SQ)
- Export/ Import of value fields from/ to file system
- Creates DICOMDIRs
- External Editor support
- Syntax Checker



True
IT Solutions
for You

PowerDicom: Viewer Features 1

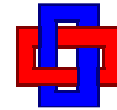


- Viewing of DICOM Images and header data
- Compressed images supported (RLE, JPEG, JPEG 2000, MPEG2, MPEG4, Deflate)
- Cine Mode: animated image viewer
- Switch from Editor Mode to Viewer Mode and back
- Viewing of DICOM file Preamble and Prefix
- Search for DICOM Tags – recursively
- DICOMDIR Browser



True
IT Solutions
for You

PowerDicom: Viewer Features 2

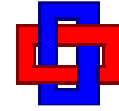


- Windowing
- Magnifier Glass
- Pixel Lens
- Measuring (distance and angle)
- Pseudocolor viewing (many LUTs available, customizable)
- Digital Subtraction
- Pixel Distribution Chart
- Intensity Trace



True
IT Solutions
for You

PowerDicom: Output Features 1

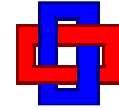


- Save Image as Bitmap or JPEG
- AVI Generator: Creates movies from loaded images
- Output in HTML-Format (Web Page)
- Output of summary to printer, text file
- Copy to ClipBoard
- Printer Support



True
IT Solutions
for You

PowerDicom: Output Features 2

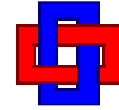


- Send DICOM files per eMail
- Conversion of Transfer Syntax
- Conversion of Pixel Data
- Color to Monochrome Conversion
- Decompression
- JPEG to DICOM converter
- Bitmap to DICOM converter
- Create DICOMDIR from single DICOM files
- Encapsulate PDF Files
- Header Comparator: lineout differences



True
IT Solutions
for You

PowerDicom: More Features



- Create Word Report
- Modify Image
- Pixel Transformation
- Watermark Image
- Compare Files or Attributes
- PACS Interface
- HIS/RIS Interface (Modality Worklists)
- Service Class Provider (SCP)
- Validator
- and more ..



True
IT Solutions
for You

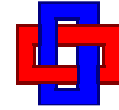
PowerDicom: Automation Features

- Automation (COM) support for scripting and batch processing, search and modify in whole archives
- More than 30 functions available
- Additional functions for easy file access
- Many scripting and programming languages:
 - VBScript, JavaScript (WSH)
 - VBA (MS Office: Word, Excel, Access, PowerPoint...)
 - C++, C#
 - HTML, HTA
 - .NET
 - VisualBasic
 - Perl, PHP
 - Delphi/Pascal
 - PowerShell
 - Java
 - MATLAB
 - ...



True
IT Solutions
for You

PowerDicom: Help Features

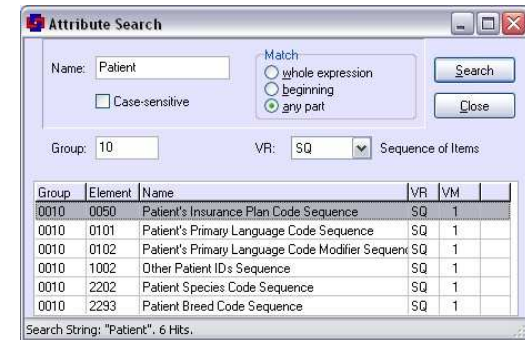
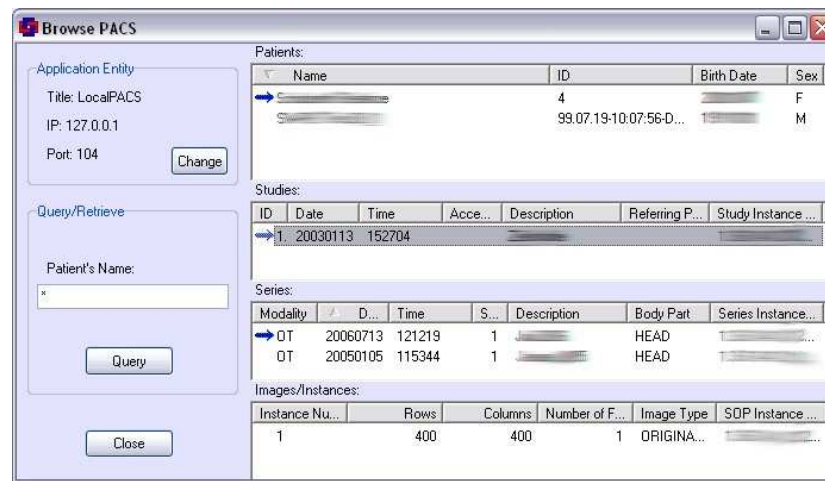
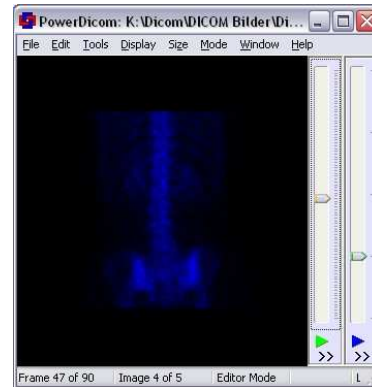
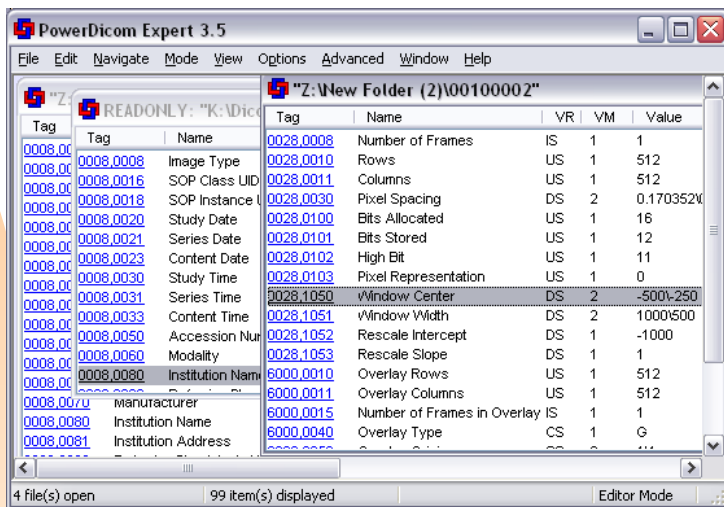


- Detailed HTML Help, context sensitive
- Online Manual
- DICOM Online Help
- Many scripting examples available (VBS, JS, Perl)
- Attribute Search
- Tutorial Videos
- PowerDicom User Zone with access to additional resources



True
IT Solutions
for You

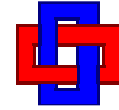
PowerDicom in Action (ScreenShots)





True
IT Solutions
for You

Contact



- Internet:

<http://www.MHGSoft.de>

<http://www.dicom-solutions.com>

- eMail: mhgs@MHGSoft.de



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