

DICOM EDITION



Intuitive WEB interface

Manage your patient CD and archiving jobs using an intuitive touch screen monitor or any web browser in your network.

Features & Benefits

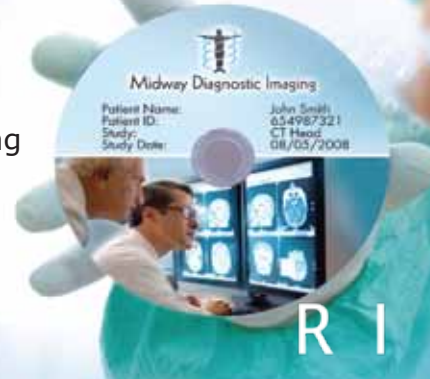
- Patient CD recording & printing
- Query/Retrieve archived studies
- Off-line archiving to DVD/BD
- Upload DICOM CDs to PACS
- Retrieve images from PACS
- Easy operation
- WEB based and touch screen intuitive user interfaces
- Advanced customization
Print templates & workflow
- DICOM & IHE PDI compliant
- Anonymization
- Add reports from RIS to CD
DICOM Structured Reports
HL7, HTML, C-Find, Database, UNC
- Use any DICOM viewer
- Multilingual
English, Spanish, Brazilian Portuguese, French, German, Russian, Chinese, Polish & Dutch



Automated CD/DVD/BD recording, printing and reading thanks to the state-of-art Rimage production robots.

Moving from film to CD, DVD & BluRay

- Patient CD production
- DICOM Image Archiving
- Automated operation
- Cost effective



Powered by

R I M A G E

All-in-One solution

Perennity DICOM offers a turnkey solution for the medical industry to output examination data from any DICOM compliant modality or PACS to CD, DVD and BluRay. It substantially reduces production costs compared to traditional film. Any DICOM Viewer can be added to the disc to display and manipulate the DICOM images.

Once processed, you may decide to keep all DICOM images for archiving purposes. Images can be stored on large capacity RAID systems or long term archive storage solutions (e.g. Fast-LTA Silent Cube). You will be able to query and retrieve studies stored in the Perennity archive using any DICOM workstation searching by patient, study, ...

Patient CD production

Perennity uses CD/DVD autoloaders (robots) to automate the production, and at the same time personalize the media with a custom label. Any information can be printed on top of the CD/DVD: patient name and identifier, date and time, list of studies, etc. Of course you can also add logos and pictures to the printout, or even thumbnails of included images.

DICOM Image Archiving

Perennity can also be used as an archiving solution for DICOM images. It will act as a Store and Query/Retrieve SCP. Furthermore, an off-line backup to DVD or BluRay can be optionally performed for long term secure archiving.

Perennity extracts all relevant metadata (patient and study information) from the processed DICOM images and stores these in a database (MySQL or MS SQL Server). Up to five custom fields (DICOM tags) can be defined for extraction and printing.

Automated operation

Perennity interfaces with all CD/DVD autoloaders from Rimage, the leading manufacturer in CD/DVD/BD production solutions for the medical industry. Rimage offers a complete range of robots, meeting any requirements in terms of throughput and print quality. A choice is offered from several printing technologies : thermal printing for a highly professional indelible print quality, or inkjet for less demanding applications. Rimage systems based on the Prism thermal printer also offer the possibility of personalizing preprinted discs, thereby dramatically reducing operational costs.

Intuitive WEB interface

Our web-based graphical interface is extremely user friendly. It is accessible from any web browser in your network and has been designed to be used with a touch screen monitor.

Limited investment

Perennity DICOM edition is one of the most affordable solutions of its kind available in the market today. It offers all the functionality - Patient CD, Image Archiving & Upload - of competing products at just a fraction of the cost.

100% DICOM compliant

- Store and Query/Retrieve SCP
- Query/Retrieve SCU from existing PACS
- Fully compliant DICOM/IHE PDI Patient CDs
- Support of DICOM Structured Reports

Use any "DICOM Viewer"

Perennity works with almost all DICOM viewers. The Weasis cross-platform (Windows, MAC & Linux) viewer is included for free. We offer IQ-Lite, eFilm or Keosys as an option. You may add any other DICOM application(s) to each CD/DVD. You may also configure the DICOM viewer to autorun when inserting the disk in a CD/DVD reader.

How it works ...

System requirements

Operating system

Windows 2000, XP, 2003
Windows Vista, 7 & 8
JAVA (JRE 1.7) required

Memory

Minimum 2GB RAM

Processor

Dual Core processor

Hard disk space

At least 40GB (program only)
Two HDDs minimum

Database

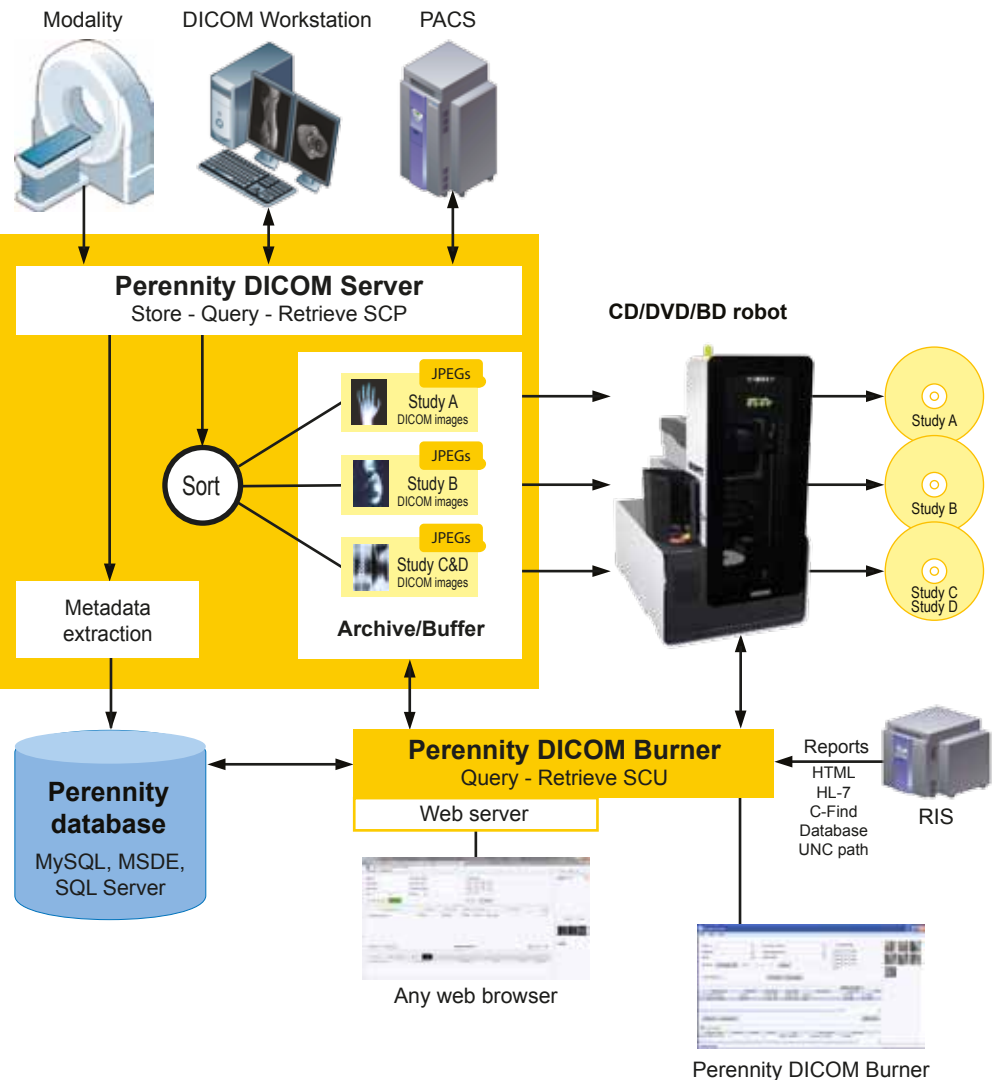
MySQL, MS SQL Server

CD/DVD output

Rimage 2000i
Rimage Producer II/III/IV series
Rimage Professional series

Storage archiving pool

Fast-LTA Silent Cube
Any RAID or NAS



Different modalities and/or the PACS send images to the Perennity DICOM Server over the local area network using the DICOM Store services, whereby the Perennity DICOM Server acts as a genuine DICOM server (SCP Store, Query/Retrieve & SCU Query/Retrieve).

You may decide to keep all images in a high capacity storage pool for archiving purposes (RAID, CAS, ...). If not, the images are temporarily stored in a buffer and will be deleted per policy (immediately or after X days). Images are automatically sorted by study and series. Perennity extracts all relevant metadata (study ID, patient name and identifier, type of modality, etc.) and stores them in its database (MySQL or SQL Server). Optionally, JPEGs images are also created.

In unattended mode, studies are automatically output to CD or DVD once all series of images belonging to a patient or a study have been

transmitted. The operator can also manually query and retrieve studies, to be put on CD/DVD, from an existing PACS.

All operations can be monitored and managed using a touch screen or from any workstation using a web browser.

Last but not least, the reports can be retrieved from the RIS and added to all discs as DICOM Structured Reports and PDF.

Multiple studies belonging to different patients can also be combined on a single disk (e.g. archiving, R&D, ...). If required, Perennity anonymizes the DICOM images to preserve patient privacy.

The CDs/DVDs are automatically recorded and printed using a CD/DVD autoloader (e.g. Rimage). Such robots can be used for both Patient CD production and off-line backup/archiving to DVD and BluRay.

Partner



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