

# PowerPACS® Image Importer



**Strengthen your medical practice with the ability to import studies from outside facilities seamlessly into your current PACS**



RADinfo SYSTEMS brings cutting-edge technologies to the tedious, time-consuming and error-prone work of transferring external patient image studies to your PACS. The modular PowerPACS Image Importer is an integrated software tool for the importation of patient information and their DICOM image studies and into your PACS. An easy user-interface with dynamic configurations, powerful matching algorithms and multiple safeguards combine to ensure that the imported data will flow effortlessly into the PACS. Regardless of the original source - DICOM CDs, DVDs, Plain Films, Patient Documents or non-DICOM images such as Tiffs and JPEGs. Consolidate your patient's medical image studies into a single centralized storage server providing a PACS with full patient consistency and integrity.



## DICOM Importing

In the rapidly evolving world of medical information technology, a demand for unified patient medical records within your PACS has become a necessity. With the existence of thousands of enterprise healthcare facilities, each with their own uniquely personalized information system. Healthcare providers face the daily task of consolidating patient medical records from outside facilities. With the PowerPACS Image Importer, you're patient's portable data from outside imaging centers is easily imported and consolidated to conform to your own unique PACS environment by allowing multiple methods of DICOM or non-DICOM importing. Easily import CD/DVDs manually on a daily basis when patients bring their prior exams or free up your time with a complete automatic hands-off, bulk importing method. The PowerPACS Image Importer allows the importing of non-DICOM data files such as Tiffs and Jpegs and it also has a built in film digitizer for facilities still printing to film.

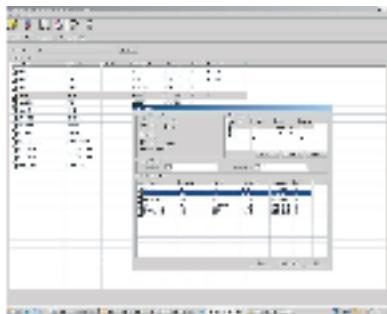
## A smarter approach to the unification of data

PowerPACS Image Importer does much more than simply transfer files between systems. All the tools necessary to consolidate and conform incoming data are accessible with a single click of the mouse. Easy to use configuration settings allows the user to set default values for the DICOM header, either using the imported DICOM header, worklist values, or simply be asked each time a new image is imported. The real power behind PowerPACS Image Importer is its use of logical algorithms to consolidate patient records. Using a dynamic fuzzy logic and various thresholds, users are presented with the absolute best matches between the imported images and the resident PACS/RIS information, regardless of inconsistencies in spelling, punctuation, or word order. Users can quickly pick the best match to avoid all the headaches associated with duplicate records.

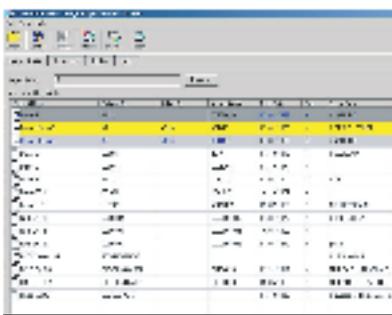
## Safeguards - Audit Trail

PowerPACS Image Importer allows the user to move through the importation process with confidence and speed. If any mistakes are made, a log file has recorded all required HIPAA information: patient, study, date of importation, operator identification, and reason for importation. There is no danger of overwriting original patient demographic information. A complete audit trail insures the integrity of the original DICOM data; all the original information is saved in the DICOM header of the new image.

# PowerPACS® Image Importer



PowerPACS Image Importer interface  
Manual matching sequence



PowerPACS Image Importer interface  
Automatic matching sequence

## PowerPACS Image Importer Features and Advantages

- Unattended bulk importing of studies from any source (including multiple CDs or DVDs) with data automatically corrected and/or replaced according to your criteria.
- Acts as an integrated modality and a DICOM file set reader to imported DICOM image files, film objects, etc...
- Automatically or manually mask patient identification information or any DICOM header fields unique to your institution in the DICOM objects with RIS order information; Patient IDs, Study IDs, Accession numbers, and any misspelled or improperly formatted demographic information.
- A complete audit trail of the original values of the original DICOM elements is stored within each DICOM image header underneath it the new attributes.
- Automatically or manually send the modified patient order and DICOM images to PACS.
- Maintains a log of each session, listing which DICOM objects were imported, each patient and study, the date of importing, a reason for importing, and operator identification as required by HIPAA.
- Notifies the user of successful transmissions. In the event of a rejection, a log file shall contain information from the DICOM rejection response, including the time and date of the event.
- Using the Modality Worklist, a configurable and dynamic fuzzy logic is used when matching patient names and other fields that do not have an exact match within the imported DICOM files.
- Provides a verification step that displays side-by-side, the DICOM attributes of the study on the CD and that provided by the modality worklist.
- All DICOM objects imported from the storage media will be recorded in the database.
- Can Modify each DICOM image headers by replacing the data in configurable fields obtained from your HIS/RIS: Accession Number, Operator's Name, Patient Name, Patient ID, Patient's Birth Date, Patient's Sex, and Other Patient ID.

## About RADinfo SYSTEMS

Established in 1993, RADinfo Systems develops and supports Windows-based, DICOM compliant software for PACS/Teleradiology and image/information systems management. With products installed at hundreds of locations throughout the world, RADinfo Systems is also a systems integrator, bundling our software with modality and hardware manufacturers' products to provide complete information and image management solutions backed by around-the-clock technical support. In addition to developing the interface software that exist on modalities today, the privately held RADinfo Systems supplies software products and system development for many major modality and healthcare product vendors.