

# PACS Key



## **Hierarchical Archiving**

A fully scalable DICOM archive server is provided to archive your medical records online. Storing, managing, querying, retrieving and auto-routing DICOM images virtually eliminates problems and expenses associated with traditional film and other forms of clinical output, by preventing film loss or damage. PACSKey™ provides an easy, economical and HIPAA friendly way to backup medical images through an unattended portable media production tool for off-site archiving, on-site shelf storage and disaster recovery.

## **Diagnostic Viewing**

A DICOM image viewer is included for diagnostic readings. After image acquisition and transmission using the DICOM format and protocol, high quality images are ready for review in seconds. With the full range of comprehensive tools provided, physicians can read images accurately with a very user-friendly interface, ensuring confidence in their assessments and recommendations.

## **Digital Distribution**

PACSKey™ provides an intuitive user interface to create CDs/DVDs containing diagnostic quality images, medical reports, patient records and a self-contained DICOM image viewer. The CD/DVD may be viewed on any Microsoft Windows PC with no additional software needed. The DICOM image viewer's user interface is designed with physicians in mind, making it intuitive and user-friendly.

## **Printing, Importing, and Exporting**

PACSKey™ supports DICOM Print for the creation of hard copy film printouts with specific patient demographic information on any dry laser printer. It also supports DICOM image importing and exporting to Bitmap, JPEG, and other image formats.

## **Seamless Digital Environment**

From acquiring and viewing images, to archiving, sending images over a DICOM network, and distributing images on CD/DVD, PACSKey's ease-of-use and intuitive user interface offers a seamless workflow. Combined with any modality station, this extremely affordable "micro-PACS" system provides easy and fast access to images and patient information.

**Connect to any Modality and Acquire, Archive, View, Print, Distribute and Manage DICOM images.**

The perfect solution for any healthcare provider, PACSKey™ integrates with any vendor's modality to provide a seamless digital environment. This powerful combination is the one-stop cost saving, film-less solution for users to acquire, archive, view, distribute and manage DICOM images.

The unique design of PACSKey™ fits seamlessly into the workflow of your facility. It is proven to enhance productivity and provide enormous improvements in patient throughput, diagnosis and treatment. This compact yet powerful "micro PACS" is fully scalable to an enterprise wide PACS as your facility grows.

PACSKey™ communicates directly with any modality to acquire DICOM images. It also supports a DICOM modality worklist to register or retrieve patient demographic information from your RIS/HIS saving time and reducing costly human errors.



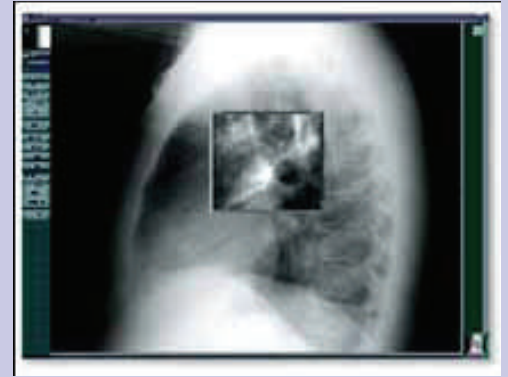
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Texas Precision Digital A/V is an authorized dealer of CD PowerPacs through Data Distributing.

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## PACSKey™ Advantages

- Complete, out of the box PACS solution.
- Single step to acquire, view, archive, send, or burn CDs.
- Automation reduces the need for specialized staff training.
- Centralizes all DICOM 3.0 images and related data.
- Connects to any DICOM compliant PACS solution by LAN/WAN.
- Significant cost savings vs. film.
- May be configured to meet local needs and demands.
- Able to maintain 20,000 CR studies online.
- Meets industry standards.
- Expands as your facility grows.
- Supports patient registration.
- DICOM modality worklist enabled.



PACSKey Viewer Interface

## PACSKey™ Features

### Hierarchical Archiving

- Equipped with a Microsoft SQL Database.
- Receive, archive, and distribute DICOM orders to remote workstations.
- Manage storage volume using a housekeeping schedule and an automatic CD/DVD disaster recovery function.

### Diagnostic Viewing

- Powerful image display features, Run-time smoothing, continuous zoom in and zoom out, window/level adjustment, orientation adjustment, and much more.
- Measurement and graphic annotation tools for density, linear distance, angular, Cobb angle, and arbitrary boundary area measurement. As well as, specific measurements in ultrasound graphic regions, etc.
- Configurable Display Mode shows all images in a studies and series in one window or in rows of 2, 4, or 6.
- Features are customizable and can be controlled by a master configuration.

### Digital Distribution

- DICOM and IHE/PDI compliant
- Automatically labels each disc with identifiers and contact information.
- CD/DVDs contain a free FDA-approved DICOM viewer if ever needed.
- Easy to use, operator interface CD/DVD command for creating patient records using only patient name, patient ID, or accession number.
- May function as a portable DICOM image database.

### Printing, Importing, and Exporting

- Print images with annotations to paper and film.
- Supports presentation LUT.
- Design custom image and/or text on the header and/or footer of the printed film or sheet.
- Import DICOM images from outside facilities for patient consolidation.
- Easily export images as a .tif, .jpeg, .bmp or DICOM file.



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