

DICOM CD Station



An Inexpensive Way to Easily Produce, Transport and View Full Fidelity DICOM Images with Patient Records and Reports.

Leading the Way in Film-less Image Distribution

The DICOM CD Station is compliant to DICOM media storage standards (DICOM Part 10), and may be connected to a HIS/RIS to acquire key clinical information. The DICOMCD Station has the ability to integrate all modalities and image archive servers in a facility. Enriched with graphic annotations, overlays and presentation states, the DICOMCD Station creates a CD/DVD that incorporates patient information, reports and diagnostic-quality images, right onto the disc. The DICOMCD Station also conforms to the IHE Portable Data for Imaging (PDI) Profile, which ensures the DICOM image data on the DICOM CD is interchangeable with systems offered by other major vendors.

Flexibility in Creating a CD/DVD

The DICOM CD Station offers several ways to create CDs or DVDs. Locally, users can use the drag-and-drop feature or a query-and-copy approach to create a CD/DVD. Remotely, the DICOM CD Station offers the flexibility to create CD/DVD orders without being at the physical workstation. Any application supporting a DICOM media creation SCU is able to submit a CD/DVD creation order from any remote workstation utilizing a standard DICOM media creation program. The DICOM CD Station also provides a web interface, allowing the user to create a CD/DVD order from any remote workstation using the internet.

Print High Quality CD/DVD Labels

The high-speed CD/DVD generator writes full CDs/DVDs in minutes and custom prints facility logos and unique study identifiers on each CD/DVD. With the DICOM CD Station, radiology departments and imaging centers can now centralize hundreds of images and patient records onto one DICOM CD/DVD for a fraction of the cost of producing films and reports.

Radiology departments and imaging centers devote a lot of money, time, and space to support physicians and patients. Everyday hundreds of films and reports are produced for physicians to review. Reproducing films is costly, time consuming, and the image quality is not guaranteed. Reproducing images requires the tracking of the bulky films and files, and retrieval time can be tedious. Unfortunately, web viewing programs for reviewing high resolution images have many limitations.

These concerns are addressed with the DICOM CD Station: a simple, cost-effective way to create CDs/DVDs containing diagnostic quality images, medical reports and patient records. End-users view the CD/DVD on any Windows PC without installing additional software (DICOM viewer included with every CD/DVD). The DICOM viewer's user intuitive and user-friendly interface is designed with the physician in mind.

The DICOM CD Station consists of a PC workstation, an automated CD/DVD publisher, and easy-to-use software.

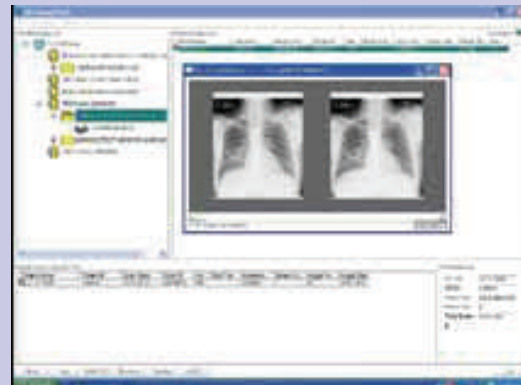
Texas Precision Digital A/V

DICOM CD Station Advantages

- Conforms to IHE Portable Data for Imaging (PDI) Profile requirements
- A remarkably low cost alternative to duplicating films.
- Quickly duplicates hundreds of images & records.
- Generates a full CD in just minutes.
- Centralizes all images, reports, and patient records into one DICOM CD.
- Intuitive interface makes training fast and easy.
- Supports multiple labels. Automatically prints facility logos and unique study identifiers on each CD label.
- Allows multiple ways to create CDs. Submit a CD creation order locally or remotely using the DICOM protocol the web interface.
- Provides DICOM media creation service. Any application from a third party vendor supporting a DICOM media creation application can submit CD creation orders to the DICOM Station with this standard DICOM service.
- Queries and Retrieves images and patient records from multiple remote nodes. Automatically accesses multiple remote servers to collect desired data for DICOM CD creation.
- Creates an anonymous CD masking sensitive DICOM data attributed to the CD creation order.
- Tracks user operations and CD recipient history required by HIPAA.
- DICOM CD password protection via automatic password generation.
- Interconnects with all major PACS systems.
- The web interface supports multiple concurrent users for remote order CD creation.

DICOM CD Station Viewer Advantages

- Conforms to the DICOM Part 10 media storage standard. Read images along with DICOM graphic annotations, structured reports, image notes, presentation.
- Powerful image display features: run-time smoothing, continuous zoom in and zoom out, time-sequence image playback, window/level adjustment, orientation adjustment, and many more.
- Measurement and graphic annotation tools including measurements for density, linear distance, angular, Cobb angle, and arbitrary boundary areas; specific measurements in ultrasound graphic regions, etc.
- Print images with annotations to paper and film.
- View reports on radiology diagnostic results, consultation results, and medications.
- Customize and control features with a master configuration utility in the DICOM CD Station server.
- Configurable Display Mode shows all the images in a series in one window or in rows of 2, 4, or 6.



DICOM CD Station Interface



DICOM CD Station Viewer Interface



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