



MEDIRAD DUOBURN DISC PUBLISHER



Overview

The MediRad DuoBurn is a fully automated CD/DVD DICOM publisher developed for cost-effective, high-quality distribution of digital imaging studies on portable optical media. Designed for imaging centres and hospitals of any size, it streamlines the entire process of disc creation, from burning to professional-grade labeling. The system supports full-fidelity DICOM images, multiple viewers, DICOM structured and HTML reports while ensuring secure patient data with AES 256-bit encryption. With intuitive drag-and-drop operation and fully automated media handling, the DuoBurn delivers fast, reliable, and consistent CD-R/DVD-R production for efficient workflow integration.

Key Benefits

- Eliminate Human Error: No possibility of placing patient information on the wrong disc.
- Fully Automated: Burns and labels discs with no operator intervention required.
- Cost-Effective: Lower operating expenses, rapid ROI, and reduced need for film duplication.
- Professional Labels: Full-color CD/DVD labels dynamically printed with patient info (ID, Name, Study Date, Description) directly from the DICOM record. Fully customizable to include hospital/clinic logos, center, or any other relevant data from the DICOM study.
- Automated Workflow: Integrates with PACS, DICOM modality, or workstation for direct disc creation.
- Embedded Viewers: Each disc includes a DICOM viewer for immediate access without additional software.
- Secure & Compliant: AES 256-bit encryption ensures secure and compliant distribution.

Disc Capabilities

- CD: 700 MB | DVD: 4.7 GB, auto-spanning for larger studies
- Automatically switches to a second or third disc when the study exceeds the capacity of a single CD/DVD
- Automatic generation of DICOMDIR and HTML files
- Compatible with Windows, macOS, and Linux viewers

Robotic Disc Publisher

The MediRad DuoBurn uses a fully automated robotic system to handle every stage of disc production, from picking blank media to burning and printing high-resolution labels. Its dual input bins, high-capacity output tray, and twin CD/DVD drives ensure continuous, unattended operation, while the precision robotic arm delivers consistent, professional-quality discs with every run.

Touchscreen User Interface

Discs can be created through the Intuitive Touchscreen User interface. Select Patient and click the "Burn Disc" button. Or users also have the ability to automatically burn disc's simply by sending data to a pre-determined AE title. After data is sent to the burner, the exam is automatically created and burn on to the disc

Embedded Multi-Platform Viewer

The MediRad DuoBurn embeds a DICOM viewer on each CD/DVD during the disc creation process, allowing users to easily view and manipulate medical images on any computer without installing additional software. This ensures that every recipient of the image disc can effortlessly read the data and import it into any image archiving system. The discs include multiple viewers compatible with Windows, macOS, and Linux, providing seamless accessibility across platforms.

Key Features at a Glance

- Receive DICOM images from any DICOM network source and automatically store them for disc publishing and labeling
- DICOM Query/Retrieve supported from PACS
- Automatically burn and label CD/DVD discs with received DICOM studies
- Prints dynamic patient information (ID, Name, Study Description) directly from the DICOM record
- Burn directly from web browser or modality workstation
- Automatic study organization & disc creation
- Multi-platform viewers included
- AES 256-bit encryption for secure data
- Export patient studies to USB
- Export patient studies to local or network folders
- Combine multiple studies on one disc

Specifications

- Media Inputs: Two 50-disc input bins
- Media Output: One 50-disc output bin
- Optical Drives: Two CD/DVD drives
- Recordable Formats: CD-R, DVD-R, USB
- Label Printing: Inkjet (up to 4800 dpi)
- Ink Cartridge: One high-yield, tri-color ink cartridge with integrated print head (eliminating the need for a separate print head replacement and delivering low ink cost per disc)
- Processor: Intel Core i7
- Memory: 16 GB
- Storage: 500 GB SSD
- Touchscreen: 23.8" LED, integrated & detachable
- Connectivity: Remote web browser access

Contact

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