



## Send DICOM Images to CD/DVD and Label Disks at the Modality

### Technology Designed for Medicine™

MDR® Express RP is a medical device which transfers DICOM format images directly to CD or DVD media with automatic, full color label printing including patient and exam data. MDR Express RP can also write to USB media. A powerful DICOM viewer is added to all media enabling images to be viewed on any Windows® PC. DICOM disks made on other disk burners can also be labeled and an optional feature allows studies imported from portable media to be sent to PACS.

### Applications

MDR Express RP transfers DICOM images from any imaging modality, workstation or PACS to CD/DVD or USB media. It writes images in their original DICOM format from up to four DICOM devices simultaneously for off-line review, treatment planning, referring physician copies and patient communication or disaster recovery disks. MDR Express disks are DICOM Part 10 compatible allowing most PACS to import studies from the media. Due to its compact form factor and rugged design, MDR Express RP is particularly well suited for use at the modality and in portable or mobile applications such as CR, DR and Digital Mammography.

### Burn and Label Disks in the Same Drive

NAI Tech Products has integrated into the MDR Express RP, patented RadialPrint™ technology which burns data onto the disk and prints a full color inkjet label within the same drive. This technology is ideal for the MDR Express as it provides a compact, self-contained solution for any imaging system. MDR Express with RP is the perfect combination of technologies to produce a truly innovative, cost-effective and portable solution.

### 'ESP' Extends Functionality of Modality Disk Burners

Another exciting new feature of MDR Express RP is ESP (Electronic Scribing Process). This technology reads the patient demographic data from unlabeled disks and automatically labels them with the correct patient information. A DICOM viewer can also be appended to the disk. If inkjet printable media were not used for the original disks, MDR Express RP will import the data to its internal hard drive and burn a new disk with a printed label on suitable media. An optional 'Media Import' feature allows the MDR Express RP to send data imported from a DICOM compliant disk or USB storage device to PACS via the network.

### WaterShield™ Disks

NAI Tech Products recommends WaterShield™ disks for the best image quality and durability for your high-resolution, full color disk labels. WaterShield disks feature instant drying, water resistance, high gloss and exceptional durability to safeguard your important medical records.

### Write DICOM Images to USB Media

In addition to CDs and DVDs, MDR Express RP can download exams directly to USB storage media with a DICOM viewer. A convenient USB 2.0 port is located on the front of the unit for this purpose.

### Convenient and Intuitive User Interface

For the RP version of MDR Express we have removed the user interface from the main unit into a separate housing. No matter where the MDR Express RP is placed, the user interface can be conveniently located for user interaction. A web based user interface is also available

### Why MDR Express RP?

- Cost-effective media writing solution
- Records images to DVD/CD-R in DICOM Part 10 format with DICOM viewer
- Labels disks with patient and exam data
- 'ESP' function labels DICOM disks created on other drives and adds DICOM viewer
- Writes to and reads from USB media
- Optional Media Import and DICOM Store SCU functions
- Compatible with any DICOM modality
- Large capacity internal hard drive is always ready to receive data from the network
- Installs easily on any PACS Network
- Compact and rugged design for use at the modality or with portable or mobile devices

# Specifications

**DICOM Part 10 Compatibility for Recorded Disks**

**Ethernet 10/100/1000 Base T**

**DICOM Storage Class SCP**

Up to four simultaneous DICOM associations

**Optional Accessory (sold separately)**

Compact Keyboard PS2/USB

**Media Formats**

DVD+R (12cm 4.7GB) Typical data record rate 21.6MB/s

DVD±RW (12cm 4.7GB) Typical data record rate 10.8MB/s

CD-R, CD-RW (12cm 700MB) Typical data record rate 2.4MB/s

We recommend WaterShield media for the best image quality, durability and performance  
USB 2.0

**Electronic Scribing Process (ESP)**

DICOM disks from most other burners can be labeled and a viewer added using MDR Express RP

**Media Import and DICOM Storage Class SCU Function (option)**

Exams from DICOM disks can be imported to MDR Express RP and sent to PACS

**Disk Labeling**

Inkjet printer using RadialPrint Technology with four print quality modes:

Best 1200 x 600 dpi

High 600 x 600 dpi

Normal 600 x 300 dpi (default)

Draft 300 x 300 dpi

Single CMY color cartridge

**Physical Characteristics**

Dimensions: Height 150mm (5.9") x Width 267mm (10.5") x Depth 394mm (15.5")

Weight: 11.36kg (25 lbs.)

**Power Input**

100-240 VAC, ± 10%, 47-63Hz, 140 VA

**Classification**

IEC 60601 Class I, No Applied Part

EN 60601-1-2 Class B, Group 1

IEC 60529, IP 21

**Agency Approvals**

UL 60601-1 (1st Edition);

EN 60601-1-2; CISPR 11B;

CAN/CSA C22.2 No 601.1-M90



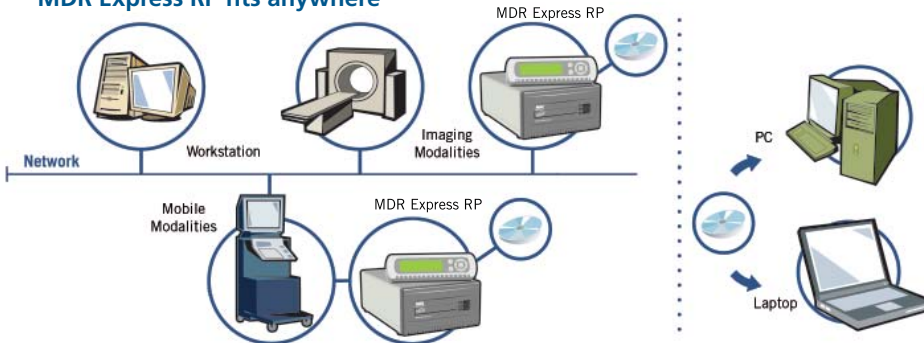
Record to USB media



Create your own custom disk labels



## MDR Express RP fits anywhere



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\* Contact NAI regarding limitations and availability  
Patent pending  
Features and specifications subject to change  
without prior notice