



## Connect your non-DICOM modalities to the PACS network.

### Add network connectivity to non-DICOM digital modalities providing digital laser output.

The *DiCOM box DVI* provides “off the shelf” DICOM connectivity for a variety of network applications. The *DVI* captures images from native digital laser formats including M952, P831, KCL and SPCI for conversion into DICOM and transfer over Ethernet. The *DVI* system offers complete OCR support to recognize patient name, ID and accession number from image data. The *DVI* is ideal for creating flexible and

scalable print networks and integrating digital modalities to PACS, teleradiology networks, and RIS interface via Modality Worklist. An optional *Remote Control* device is available for even more flexible operator control.\*

*Online user tutorial is now available at [www.dicombox.com](http://www.dicombox.com). For additional information, contact NAI Tech Products Toll Free at 866-342-6629, or 530-887-1008.*

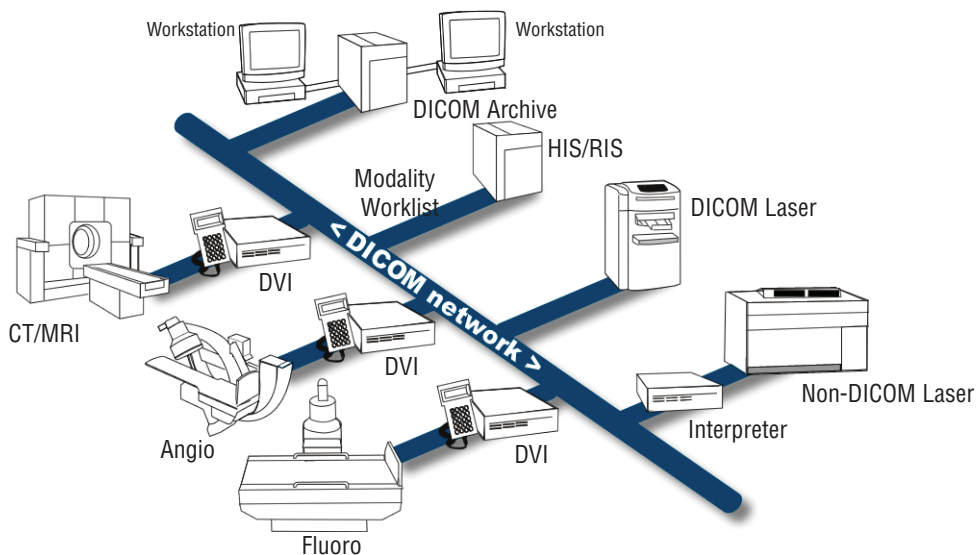
\* See *Remote Control* data sheet for details

### Features:

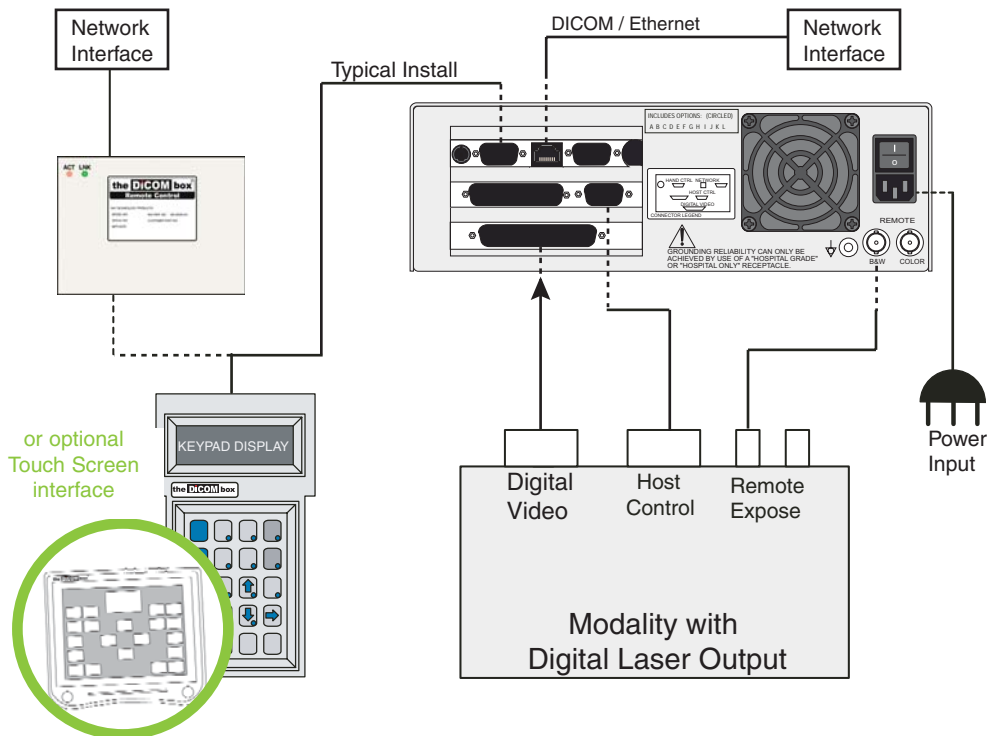
- Configurable DICOM Services
  - DICOM Print
  - DICOM Store
  - Modality Worklist
  - Modality Performed Procedure Step (MPPS)
  - Storage Commitment
- Optional TouchScreen Interface
- Control image capture directly from modality operator console via Host Control
- Host Control interface for 952, 831, SPCI and KCL laser output from the host modality
- Multiple Print Destinations
- Simultaneous transfer to 2 storage class SCP
- Redundant Image Backup
- OCR Optical Character Recognition
- Auto filming transfer to the network
- Software and option upgradability in the field
- Remote administration via telnet & FTP

# the DiCOM box®

## DVI - Digital to DICOM



Optional Remote Control Install -  
refer to Remote Control Data Sheet



**NAI**  
TechProducts  
A MCDONOUGH MEDICAL COMPANY

12919 Earhart Avenue, Auburn, CA 95602 USA  
Ph: 1-866-342-6629 • 1-530-887-1008 • Fax: 1-530-887-1108  
www.dicombox.com

## Specifications

- **DICOM Service Classes** (configurable)
  - DICOM Print
  - DICOM Store
  - Modality Worklist
  - MPPS
  - Storage Commitment
- **Standard Laser Host Control Formats**
  - M952
  - P831
  - SPCI
  - KCL
- **Image Acquisition**
  - Digital Image Format Up to 4K x 5K
  - Interface Clock Speed Up to 2 MHz
  - 8 bit monochrome
  - Configurable 12-bit output
- **Internal Storage**
  - 2.2GB or greater Hard Drive
- **Network**
  - Ethernet 10/100 base T - selectable
- **Connectors**
  - Digital Data Input: High Density DB37, Female pins
  - Network: 8 pin modular jack (RJ45)
  - Operator Interface Keypad: DB9, Male pins
  - Host Control Input: DB9
  - Remote Capture Input: BNC, Female pins
- **Power Input**
  - 115-230 Volts, ±15% 47-63 Hz, 120 VA
- **Physical Characteristics**
  - Module**
    - Height: 3.25 inches, (8.25 cm)
    - Width: 10.125 inches, (25.72 cm)
    - Depth: 14.125 inches, (35.88 cm)
    - Weight: 8 pounds, (3.68 kg)
  - Keypad**
    - Height: 7.15 inches (18.16 cm)
    - Width: 4.10 inches (10.41 cm)
    - Depth: 0.95 inches (2.41 cm)
    - Weight: 8 ounces, (227g)
- **Environmental Operating**
  - Temperature: +50°F to +104°F, (+10°C to +40°C)
  - Barometric pressure: 700 hPa to 1060 hPa
  - Relative Humidity: 5% to 80% non-condensing
- **Transit**
  - Temperature: +14°F to +122°F (-10°C to +50°C)
  - Relative Humidity: 5% to 85% non-condensing
- **Clearance Requirements**
  - 3 inches (7.6cm) for rear panel cable connection
  - Do not obstruct ventilation airflow at front and rear of module
- **Classification**
  - IEC 60601 Class I, Type B
  - 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;