



The DiCOM box CA+ Cine to DICOM is a universal DICOM interface that allows users to review dynamic images and cine loops outside the normal confines of modality workstations. The CA+ Cine to DICOM provides real time video acquisition and DICOM conversion from both monochrome and color video sources, capturing at least ten seconds of video data acquired at 30fps in RGB or 1K x 1K monochrome. Acquisition rates are selectable from 3.75 to 30 fps, and record modes include R wave trigger, prospective and retrospective.

The CA+ Cine to DICOM simplifies the connectivity process and provides cine acquisition, lossless and lossy image compression, DICOM Store, Print, Performed Procedure Step and Storage Commitment for ultrasound fluoroscopic and cardiac angiographic systems. The NAI Dicom CA+ Cine to DICOM can be fully integrated to HIS/RIS.

## Features

- DICOM Print, DICOM Store
- Modality Worklist
- Modality Performed Procedure Step (MPPS)
- Storage Commitment
- Real-time video acquisition up to 10 seconds RGB color or monochrome
- Playback review through host display or attached VGA/NTSC display
- DICOM compliant JPEG lossy compression or non-compressed transfer
- Interlaced or non-interlaced video input



# Specifications

## DiCOM Service Classes

DICOM Print  
 DICOM Store  
 DICOM Modality Worklist  
 Modality Performed Procedure Step Storage Commitment  
 Storage Commitment

## Video Input (Terminated, 75 ohms)

Electrical voltage: 100/220 VAC ( $\pm 15\%$ ), switchable  
 Pump speed: 0-1000 mL/min (adjustable)  
 Centrifuge speed: 2050-5650 rpm (adjustable)  
 Fuse rating: F 2.5 A / 250V  
 Operating frequency: 47-63 Hz  
 Power cord length: 16 ft ( 4.9 m)  
 Certifications; UL Listed

## Video Acquisition

Approximately 10 seconds at 30/25fps  
 384MB video acquisition RAM  
 >30, 15, 10, 7.5, 6, 5, 4, 3 fps acquisition rates

## Image Review

Configurable for image playback through host display  
 Variable frame rate playback freeze frame to 30fps

## Network Image Compression

Ethernet 10/100 base T - selectable  
 JPEG lossy, or uncompressed

## Connectors

Video I/O High Density DB15, Female pins  
 Network: 8 pin modular jack (RJ45)  
 Operator Interface Keypad; DB9, Male pins  
 Host Control Input: DB9, Male pins  
 Remote Capture Input: BNC, Female pins

## Power Input Module

115-230 Volts, +/- 15% 47-63 Hz, 120 VA  
 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 +40°C)  
 Barometric pressure: 700 hPa to 1060 hPa  
 Relative Humidity: 5% to 80% non condensing

