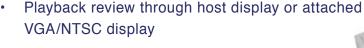


The DiCOM box CA+ Cine to DICOM is a universal DICOM interface that allows users to review dynamic images and cine loops outside the normal confines of modality workstations. The CA+ Cine to DICOM provides real time video acquisition and DICOM conversion from both monochrome and color video sources, 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



 DICOM compliant JPEG lossy compression or non-compressed transfer





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Specifications

DICOM Service ClassesDICOM Print

DICOM Store

DICOM Modality Worklist

Modality Performed Procedure Step Storage Commitment

Storage Commitment

Video Input (Terminated,

75 ohms)

Electrical voltage: 100/220 VAC (± 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 acquistion RAM

>30, 15, 10, 7.5, 6, 5, 4, 3 fps acquistion 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

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