

# iMed-Stor DICOM Archive & Server

## Breaking through the Price Barrier

Managing and archiving digital medical images on CDs or DVDs is indeed frustrating and costly. Not only do the physicians not have immediate access to studies when and where they need them, but the administrative overhead cost is a monthly recurring line item and sensitive patient data on CD or DVD can create HIPAA-compliance issues if they are lost or misplaced.



### Introducing iMed-Stor 300 from Candelis.\*

Think of iMed-Stor™ 300 as your personalized and cost-effective DICOM Archive with your choice of FDA 510(k) cleared web-enabled viewers, which allow you to view studies from anywhere. iMed-Stor is compatible with any DICOM modality and is available in capacity points ranging from 2 to 8 TB in a RAID configuration.

iMed-Stor is an archive appliance that simply connects to your network and starts receiving studies from your modality. There is no expensive installation or IT expertise required and no downtime in operations. With iMed-Stor, managing and archiving studies from modalities like CR, DR and Ultrasound, Digital Mammography, MRI, CT, and PET-CT becomes easier and less costly, allowing treatment centers to focus on patient care and profitable growth. iMed-Stor complies fully with the DICOM and DICOM-RT standard and can work seamlessly alongside any PACS.

### Diagnostic Viewing from Anywhere

With iMed-Stor's optional web-enabled DICOM viewers, diagnostic reading is possible from anywhere, whether it is down the hall from the modality/exam room or a home office. Regardless of where you are, you can now have studies come to you via a secure Internet connection.

\* Candelis is a trademark of Candelis, Inc.

**iMed-Stor 300 DICOM Archive from Candelis**

Data Sheet

## Versatility

iMed-Stor is extremely versatile and can be deployed in environments with or without PACS:

- Private practices with Ultrasounds, CR/DR, CT, or other DICOM modalities
- Departments within hospitals
- Modality archive
- Diagnostic imaging centers
- Multi-physician clinics
- Orthopedic clinics
- Chiropractic practices
- Podiatry practices
- Veterinary clinics and hospitals

iMed-Stor is about cost effectively and securely archiving your patient's images and studies with fast access for better patient care.

## Highlights

- RAID archiving with initial raw capacity points of 2, 4, or 8 terabytes (TB)
- Embedded database with DICOM engine for image archiving and management
- Web-based system administration and operator interface
- SSL connection support
- DICOM encapsulation to attach non-DICOM files (PDFs, JPEGs, TIFFs, etc.) to each study
- Tower configuration minimizes space requirements
- Manual and automated DICOM routing
- Optional FDA 510(k) cleared web-enabled viewers
- Optional pre-/post-fetching of relevant priors
- Optional HL7 Support for integration with EMR, RIS, or HIS
- Optional Modality Worklist and patient registration
- Optional Tape Drive for data back-up

## System Features

### Built-in Storage

- 4-drive RAID disk array for primary image storage

### Setup and Configuration

- Complete web-based user interface for system administration

### Network Connection

- Auto-sensing network connection
- Automatic IP address assignment

### DICOM Connections

- Base configuration includes 2 Remote AE Titles
- Additional 2 Remote AE Titles are available as an option

### Optional Viewers

- FDA 510(k) cleared web-enabled Radiology and Mammography Viewers

### Third-Party Viewing Software

- Compatible with most DICOM-compliant viewers

### Data Back-up

- Optional built-in Tape Drive with data back-up software

### Standard and Extended Warranty

- 1-Year Hardware Warranty with Next-Business Day Onsite Support in the US and more than 100 countries
- 1-Year Software Warranty including software updates via remote access (requires Internet connection)
- Extended Hardware and Software Warranty available as an option

## Specifications

### Storage, Raw Capacity

- 2 TB Raw, 4 TB Raw, and 8 TB Raw in RAID Configuration

### Agency Certifications

- AS/NZC 3548, ICES, GB 9254 – CNCA, FCC Part 15, CE, CIS PR22, VCCI, CNS 13438

### Physical (Tower Chassis)

- Width: 8.27 in. (21 cm)
- Height: 17.94 in. (45.57 cm)
- Depth: 24.01 in. (61 cm)
- Weight: 56.01 lbs. (25.4 kg)

### Power

- Single power supply (490W)

### Operating Environment

- 50°F to 95°F (10°C to 35°C)
- 20% to 80% humidity (non-condensing)
- Altitude: -50 ft. to 10,000 ft. (-16 m to 3,048 m)
- Operating Vibration: 0.26G at 5Hz to 350Hz for 2 minutes
- Operating Shock: 1 shock pulse of 41G for up to 2 ms

### Non-operating Environment

- -40°F to 149°F (-40°C to 65°C)
- Up to 95% humidity (non-condensing)
- Storage Vibration: 1.54 Grms Random Vibration at 10Hz to 250Hz for 15 minutes
- Storage Shock: 6 shock pulses of 71G for up to 2 ms

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