

# TIMS DICOM System

Products	Medical Modalities	Static Capture	Streaming Capture	DICOM Send/Receive	CD/DVD Record	Synced Audio
<b>TIMS 500</b>	All Modalities	•		•		
<b>TIMS 2000</b>	All Modalities	•	•	•	•	
<b>TIMS 2000 SP</b>	All Modalities	•	•	•	•	•

## TIMS Factory Support & Maintenance:

One year of TIMS support and maintenance is provided with each TIMS DICOM System purchase. This includes technical support via telephone, email, and online during normal business hours (8:00 AM to 8:00 PM EST). In the unlikely event of a system failure, a two business day system replacement warranty is provided. Software upgrades as available are accessible via online download in the first year. TIMS Factory Support & Maintenance can be purchased for additional years.



## Mobile Cart Option:

Our standard TIMS Systems do not include mobile carts. However, for those customers who have a need for TIMS mobility, we carry the Rubbermaid carts from Rubbermaid Medical. Note that having TIMS on a mobile cart is particularly useful when customers desire to place TIMS in the procedure room for applications such as speech pathology and endoscopy.

## TIMS Leasing Program:

We now offer a leasing program for our TIMS customers. Please contact sales for more information.

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# TIMS DICOM System



## Connect Any Medical Modality to PACS Including modified barium swallow studies (speech pathology) & endoscopy

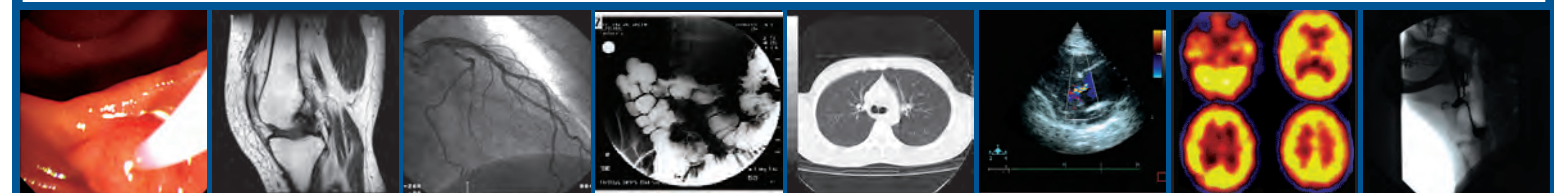
### Key Features

- **Acquire from any medical modality**
- **DICOM conversion**
- **Static & streaming capture**
- **High resolution video capture**
- **Synced audio capture & review**
- **Capture the entire study**
- **DICOM send & receive**
- **One-click DICOM send**
- **Record to CD/DVD/USB/network**
- **DICOM & Windows print**
- **DICOM query/retrieve**
- **Import/Export AVI, JPG, BMP, PNG**
- **DICOM Modality Work List**
- **Review & edit studies**
- **Custom annotations**

**Problem:** Hospitals and imaging centers need to connect their medical modalities to PACS. Some of these are older, non-DICOM modalities such as nuclear medicine systems, C-arms, or older ultrasound devices. Or, more likely, they have fluoroscopy systems that are performing long-format modified barium swallow studies for speech pathology. Because these studies are high resolution, require 30 fps, and require synced audio, even brand new DICOM-enabled fluoroscopy systems cannot transfer these studies to PACS. Further, endoscopy systems are typically not DICOM-enabled and need to be connected to PACS.

**Solution:** TIMS DICOM System, the PACS Connectivity Solution. TIMS can convert any medical modality to DICOM. The resulting study can be sent to PACS, recorded to CD/DVD/USB/network, and printed to film or paper. TIMS also provides much more including labeling/annotation, extensive review & analysis, and study editing.

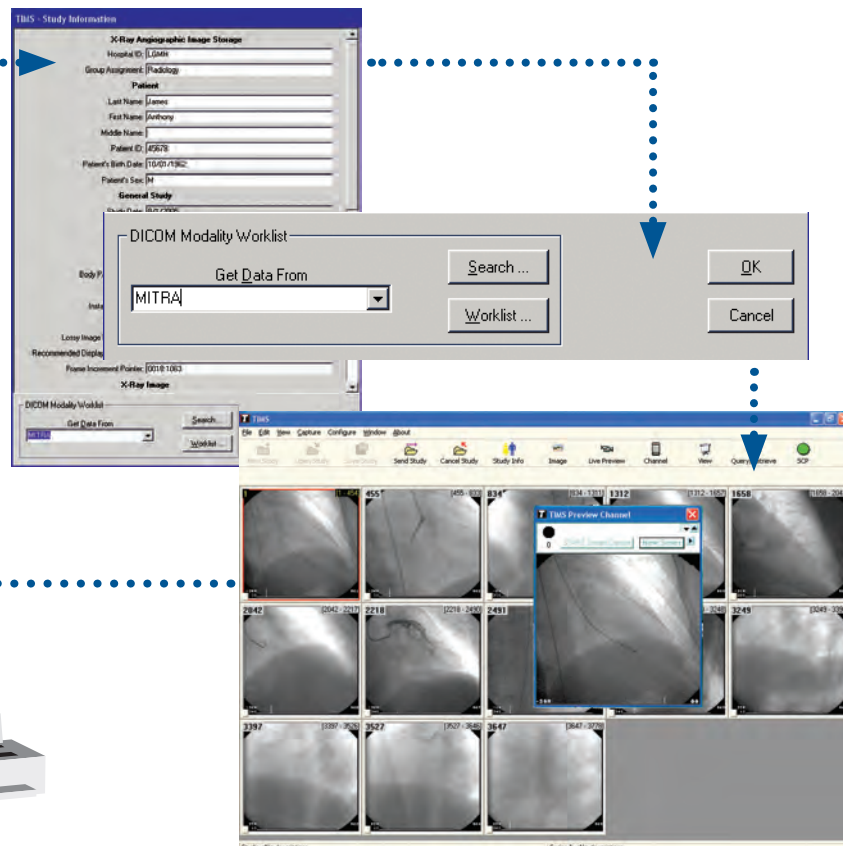
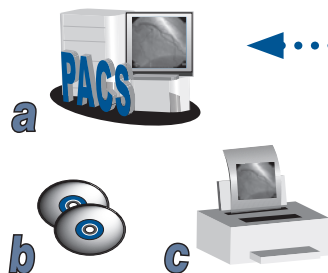
**TIMS DICOM Review Software:** TDRS is a software-only version of the TIMS system (no video acquisition hardware). TDRS can be installed on any Windows 7 computer in the speech pathology lab, endoscopy office area, or anywhere in the hospital. To speed workflow and immediately free up the modality suite for the next patient, the study can be instantly sent over the hospital network from the TIMS system in the modality suite to one or more TDRS systems throughout the hospital. Speech pathologists, endoscopy physicians, and technologists can then edit, annotate, review, and analyze the studies, free from the pressure of creating a bottleneck in the modality suite, in the comfort of their own office or lab area. After review and analysis on TDRS, studies can be sent to PACS.





## SIMPLE WORKFLOW

- 1) Input patient information
  - a) Automatically via DMWL
  - b) Manually
- 2) Automatically acquire images or video streams
- 3) Send study to TDRS
- 4) Review and edit study
- 5) Send to PACS, Record to CD/DVD/USB/network or Print



## MODIFIED BARIUM SWALLOW STUDIES FOR SPEECH PATHOLOGY

MBS studies have specialized requirements that low-quality DVD recorders and even brand new fluoroscopy systems cannot satisfy. These include high resolution video, long acquisition times, 30 frames per second acquisition, and synchronized audio. Even new fluoroscopy systems can only record for 10 seconds per acquisition and at 10-15 fps in DICOM and send to PACS. And they never include audio. TIMS 2000 SP delivers all of these requirements and more.

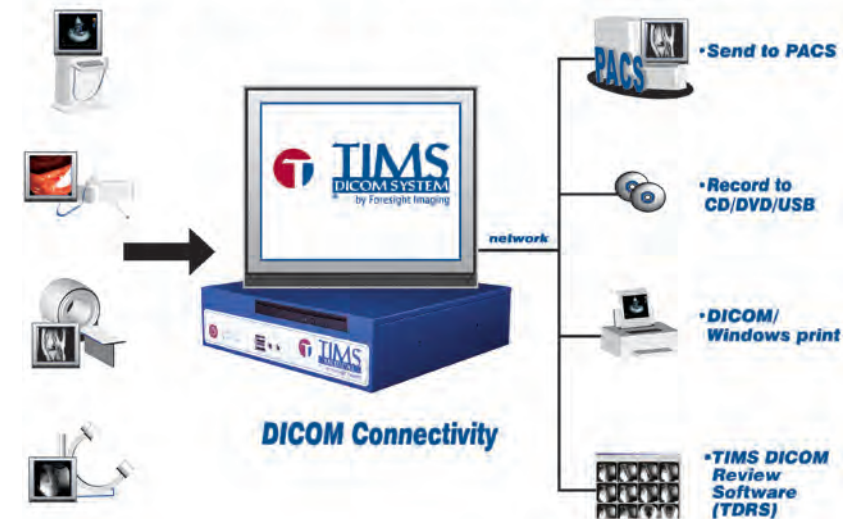
### TIMS 2000 SP

**Synced Audio**

- High resolution (1024 x 1024) 4x the image detail of DVD-Video
- Eliminate removable media HIPAA risks by securing & archiving patient data
- Record the entire procedure at 30 frames per second (ASHA recommended)
- Record & review with synced audio
- Record to CD/DVD/USB/Network
- Send entire study or portions to PACS
- Fast & easy editing of the study
- Review studies in your office with TDRS
- Customized annotations for labeling



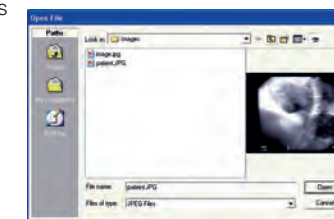
## TIMS, the PACS Connectivity Solution



## SELECTED FEATURES

### Import/Export AVI, JPG, BMP, PNG

- ▶ Allows for import and conversion to DICOM
- ▶ Export file formats for integration of studies into presentations and reports
- ▶ Edit in video editors like Adobe Premiere®
- ▶ Ideal for teaching hospitals



### Configurable Toolbar

- ▶ User-configurable toolbar
- ▶ Streamline workflow according to individual needs by allowing the user to show just a few toolbar icons
- ▶ Or show all toolbar icons for a "power-user" setup



### Multiple Ways to DICOM Send

- ▶ One-click DICOM send
- ▶ Batch/schedule send: select multiple studies to be sent at a later time and date
- ▶ Send selected: select a series or a few series to send to PACS
- ▶ DICOM send lists: specify two or more DICOM send destinations to send studies at the same time

### Record to CD/DVD/USB/Network

- ▶ Archive to removable media or networked storage
- ▶ Provide a copy to the patient
- ▶ Route studies with a viewer directly to any networked computer



### Pre-Defined, Editable Lists

- ▶ Setup pre-defined lists of items to choose from in a pick list to help speed configuration & workflow
- ▶ Available for Series Description, Study Description, Body Parts, Performing Physicians, & Referring Physicians

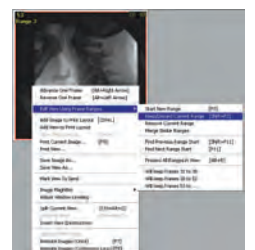
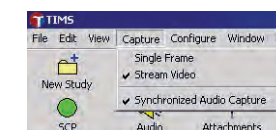


### File Attachments

- ▶ Attach any file to a TIMS study
- ▶ Includes Word files, PDF files, audio files, etc.
- ▶ Record studies with their attachments to CD/DVD/USB/network

### Synced Audio (TIMS 2000 SP only)

- ▶ Record synced audio with video for speech pathology, echocardiography, and more
- ▶ Review synced audio and video on the TIMS system, TDRS, or with the TIMS Viewer
- ▶ Save in DICOM format
- ▶ Send to PACS and record to CD/DVD/USB/network



### Easy Study Editing

- ▶ Simple study editing to reduce file sizes and number of frames
- ▶ Only save the portions of the study required
- ▶ Split & combine or use the "edit with frame ranges" feature