



# ACOM.PC

Cardiological image viewing and post-processing software

Data sheet

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# ACOM.PC

## Cardiological image viewing and post-processing software

ACOM.PC software 7.0 turns any commercial PC into a professional diagnostic and evaluation station for cardiac catheter examinations.

DICOM-compliant multi-modality cardiology images from any manufacturer can be viewed.

Cardiac image series, ultrasound, and nuclear medicine images are supported.

With ACOM.PC you work independently of the cath lab's routine operation and can make use of an existing PC infrastructure.

In addition to ACOM.PC, you can run other Windows-compatible software applications on the same computer.

You can export individual images or complete scenes of an examination to other programs, to create a multimedia presentation for example, or to print them out.

You can directly access stored patient data via ACOM.PC.

Automatic ACOM.PC start and image display via external software applications is also possible. For example, image display can be started from a HIS / CIS application.

The contents of a DICOM CD/DVD is displayed on screen as a scene overview in MULTIMAP format.

In this way, any scene can be selected and displayed directly, without time-consuming scrolling through a directory structure.

ACOM.PC automatically sets the same display parameters as were used during acquisition in the Siemens cath lab.

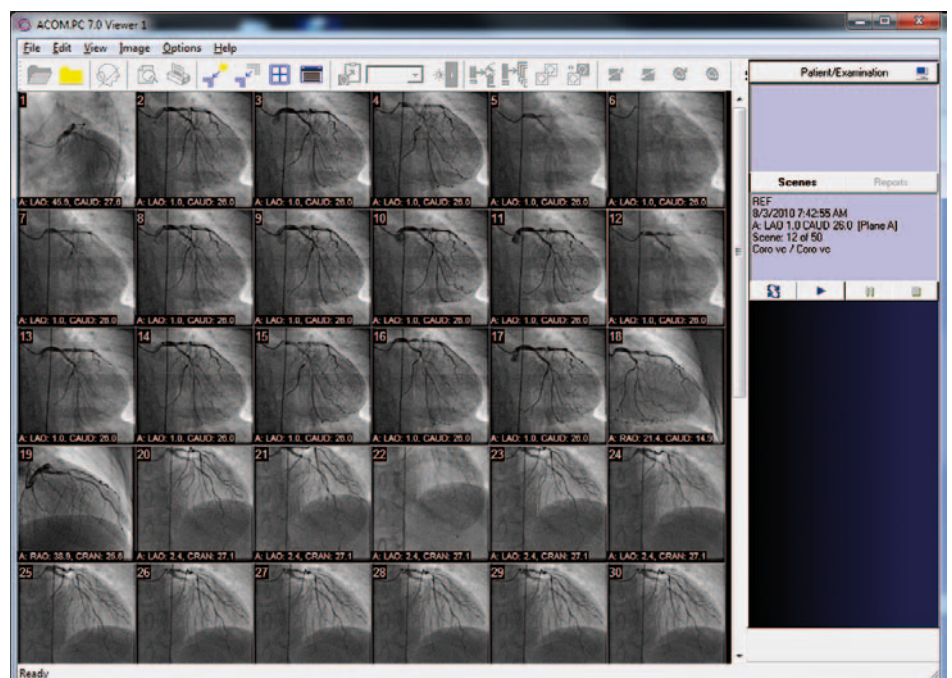
Of course you can adapt the image display to your individual requirements:

Variable display speed forward and backward, single step. Brightness and contrast parameters as well as real-time image filtering are set easily in a control window. Additional image post-processing functions such as zoom / pan are also available.

The ACOM.PC software is designed to make optimum use of the monitor screen for displaying clinical image information.

A dedicated presentation mode is available which uses the entire vertical space on the display.

Clinical diagnostic evaluation can be performed with ACOM.PC software if the monitor used is compliant with DICOM Part 14.



Complete study at a glance: MULTIMAP overview

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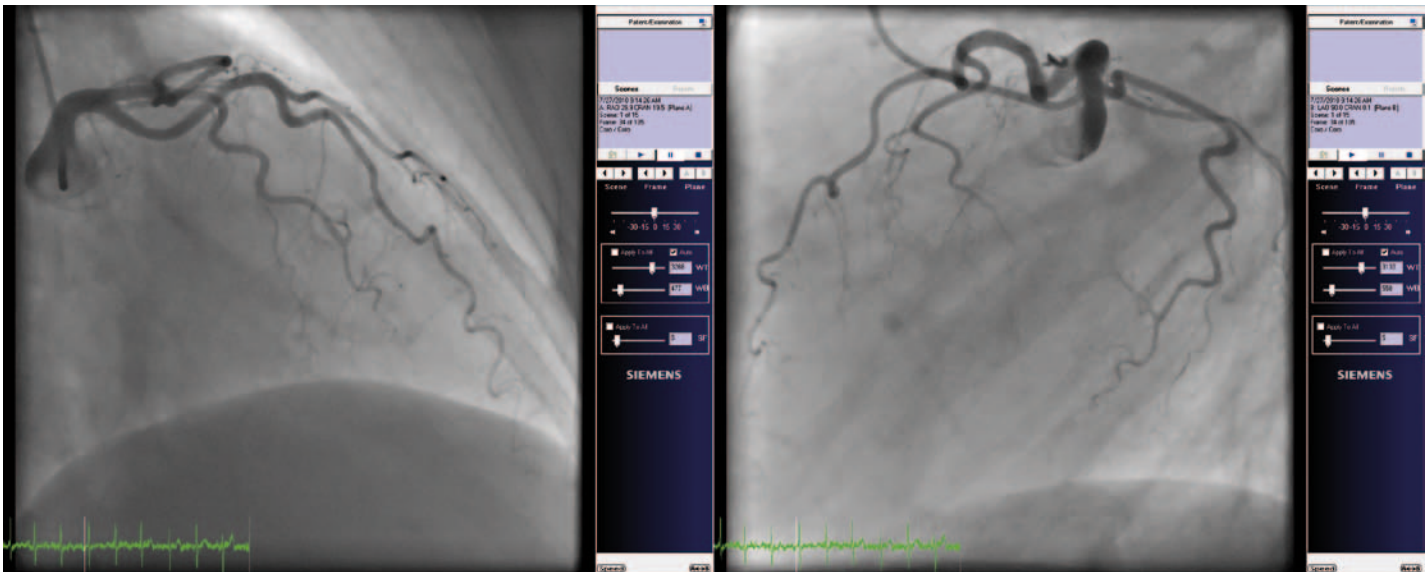


*ACOM.PC presentation mode uses the full screen height. Review of image series with up to 30 f/s*

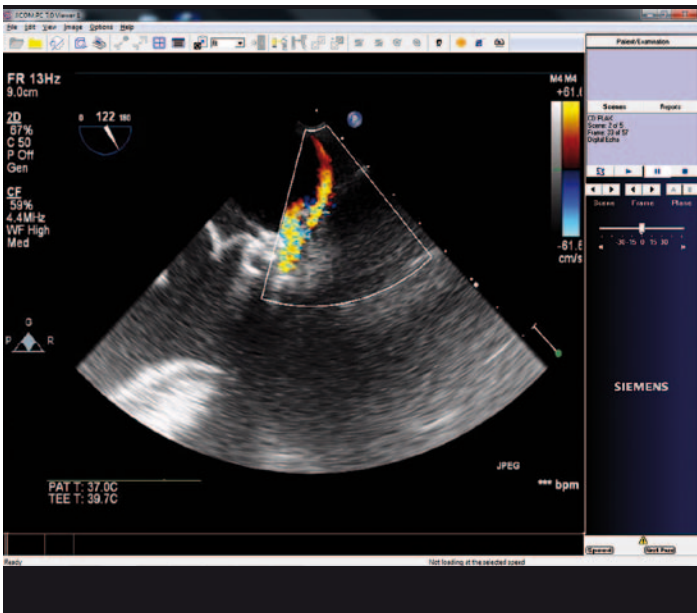


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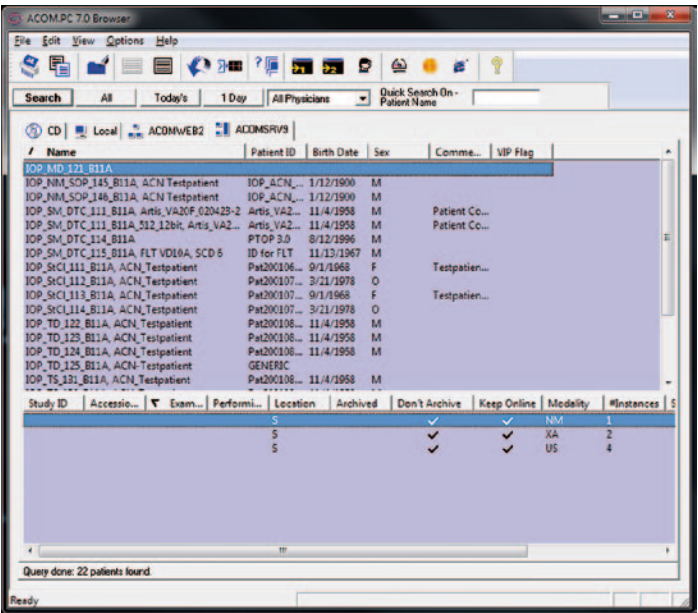
Cardiological image viewing and post-processing software



Synchronized review of biplane scenes



Display of ultrasound and nuclear images



Network data exchange

# ACOM.PC

## Functions and technical data

### Image viewing and image post-processing functions

- Display of cardiac scenes in 512<sup>2</sup> and 1024<sup>2</sup> matrix
- Display of ultrasound and nuclear medicine images
- Synchronized review of biplane scenes
- Dynamic image display forward / backward at up to 30 f/s
- Single image steps forward/backward
- Review of DSA scenes
- Presentation mode using the full screen height
- Zoom (2/4 times) and Zoom/Pan function
- Brightness and contrast adjustment
- Image inversion (black/white)
- Edge enhancement
- Image counting and ECG display
- Cardiac phase-controlled image access via ECG signal
- Image printout via PostScript printer
- Viewing report images

### Export of images

- Exporting and inserting individual images in reports
- Exporting and inserting complete scenes in presentations
- Exporting single images into PACS networks (DICOM SC object)
- Saving single images, individual scenes or complete studies to hard disk

### Operating concept and compatibility

- Windows-oriented operating philosophy
- Interactive operation via mouse control
- MULTIMAP display of scenes and reports
- QuickLink buttons for direct selection of ACOM.Rec
- OEM interface for integration into an information system.
- Reading of DICOM-compliant CDs/DVDs, also in DYNVIEW format

### Recommended minimum configuration

- Windows XP:  
Pentium 300 MHz Processor, minimum 128 MB RAM, minimum 500 MB available hard drive memory, DirectX 9 graphics card with minimum 32 MB RAM
- Windows 7:  
1 GHz processor with 32/64 bit, 1 GB RAM, 500 MB available hard drive memory, DirectX 9 graphics card with WDDM 1.0 or higher driver and at least 32 MB RAM

### Scope of delivery

- CD-ROM with ACOM.PC software, license, and dongle
- Installation and User's Guide

### Options

- ACOM.Rec software for creating DICOM-CD-R and DVD

### DICOM functionality\*

ACOM.PC supports:

- DICOM Receive (as Storage Class Provider)
- DICOM Send, Query&Retrieve (as Storage Class User)

\* The DICOM Conformance Statement can be obtained via the Internet under <http://www.SiemensMedical.com>

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