

Codonics VirtuaTM Medical Image Viewer

Quick Start Guide

Overview

The Codonics Medical Image Viewer is a standalone application used for viewing and manipulating digital medical images from various sources (CT, MR, US, PET, etc.). The Viewer image manipulation tools include windowing, leveling, magnification, and various measurement tools. The Viewer application is included as part of the Codonics Virtua Operating Software.

System Requirements

The Codonics Medical Image Viewer runs on Windows®-based PC computers. It has been validated under Windows 98, Windows Millennium, Windows NT 4.0, Windows 2000 and Windows XP.

Recommended minimum configuration:

- Pentium III processor
- 512 MB RAM
- 40 GB hard drive
- 32 bit graphics board
- 19" display
- Windows 2000 or XP

Required Software

The Codonics Medical Image Viewer does not require any additional software to be installed on the PC. However, a PDF viewer, such as the Adobe® Reader, is required in order to open the Help documentation. The Adobe Reader is available free at <http://www.adobe.com>.

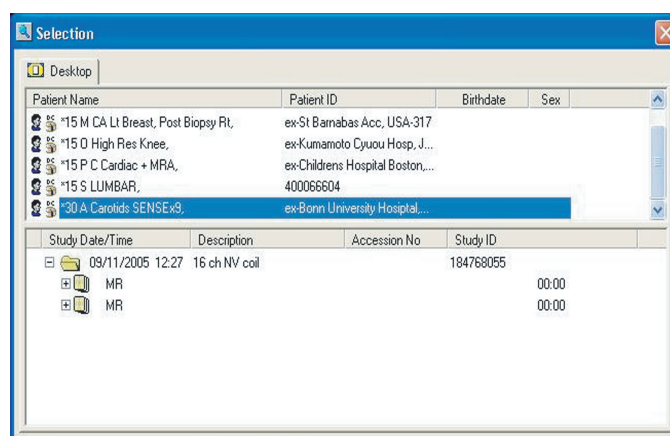
Starting the Viewer

If the CD or DVD was burned with the Virtua's auto run option turned on, the Viewer program will launch when the disc is inserted into a PC's CD-ROM drive. If this option was not enabled when the disc was burned, the viewer must be started manually. To start the viewer manually select **My Computer** located in the Windows Start Menu. Double-click the drive labeled **CODONICS** to display the contents of the CD/DVD. Double-click **RunViewer.bat** to launch the viewer.





Opening a Series of Images

When the viewer launches the Selection Window will automatically appear. It is split into two sections.

- **Patient information:** Displays patient information such as the patient name, patient ID, birthdate and sex.
- **Study information:** Lists the study folders, series folders and patient images.






















Icon Guide

- Patient  Last name, first name, date of birth, patient ID
- Study  Creation date and time, study ID, procedure description
- Series  Modality, series description, number of frames, creation date, creation time
- Image  Image number, number of frames, DICOM instance UID

List the sub-levels on the selection window (e.g.: images of a series) by clicking on the +/- button.

Double click on the series icon to access the images contained within that series.

Using the Toolbar

New / Clear Selection		Close all open series and return to the selection window.
Select / Browse		Go back to the selection window to select an additional series or patient. The current series remains open.
Print		Send the current image window to a Windows printer. The Codonics Horizon™ Imager configured with the PostScript option can be used to create high quality color and grayscale prints.
Tile Mode		Display multiple images from the same series.
Magnifying Glass		Magnify a portion of the active image. Select zoom factor by right-clicking in the magnified area (from x2 to x8).
Reset Window Level		Resets window levels to the original values.
Polarity		Changes the polarity of the active series; black becomes white, white becomes black.
Synchronize Slices		In this mode, the frames displayed that are in the same orientation will be synchronized.
Hide / Display Graphics		Toggle the display of graphics (drawing and measurement tools).
Distance Measurement		Determine the distance between two points in the active image.
Angle Measurement		Determine an angle within the active image.
Pixel Measurement		Display the pixel value of a point within the active image.
Calibration		Calibrate the active image pixel size. Allows for measurement of a known size element within an image and allows for input of the known size.
Mosaic Mode		Split the current display window so that multiple series may be displayed.
Cine Loop		Allows display of multiple images from a series, one after the other. Clicking on the forward or reverse buttons allow the increase or decrease of the display rate.
Left Mouse controls Window Level		The default action for the left mouse button; adjusts the window level of the active image.
Left Mouse controls Image Position		Allows movement of the active image within the display window.
Left Mouse controls Zoom Level		Allows for zooming in and out.
Left Mouse controls Stack Navigation		Move through the images of the selected series.
Left Mouse controls Drag and Drop		Move the series to another display section (used in Mosaic Mode).

Get it all with just one call
1-800-444-1198

All registered and unregistered trademarks are the property of their respective owners. Specifications subject to change without notice.

Copyright © 2006 by Codonics, Inc. Printed in the U.S.A. Part No. 901-350-001 Rev. C.



17991 Englewood Drive
 Middleburg Heights, OH 44130 USA
 (440) 243-1198
 (440) 243-1334 Fax
 Email info@codonics.com
www.codonics.com

Codonics Limited KK
 New Shibaura Bldg. F1
 1-3-11, Shibaura
 Minato-ku, Tokyo, 105-0023 JAPAN
 Phone: 81-3-5730-2297
 Fax: 81-3-5730-2295