

# Codonics® Virtua™ Keosys VISIO+ Viewer

**Technical Brief**

## Overview

The Codonics Virtua Medical Disc Publisher provides support for Keosys VISIO+ as an optional DICOM viewer, allowing the display of fused pre-aligned PET/CT or SPECT/CT images as well as stand-alone SPECT or PET studies. If the anatomical and functional data are acquired from different scanners a workstation is required to align and export the fused data. Keosys VISIO+ requires a Feature Key on Virtua to activate the viewer and installation on the SmartDrive.

## VISIO+ System Requirements

- ◆ Microsoft Windows XP (Home and Professional Edition)
- ◆ Intel® Pentium® equivalent, processor speed: 1.0 GHz
- ◆ 512 Mbyte RAM
- ◆ 24-bit graphics card/monitor
- ◆ 1024 x 1280 pixel graphics (XVGA resolution monitor)

## Validated Systems

VISIO+ has been validated on the following systems. Contact Codonics Technical Support for an updated list.

- ◆ GE Discovery LS and ST (PET/CT)
- ◆ GE Hawkeye (SPECT/CT)
- ◆ GE Lightspeed (CT)
- ◆ Philips Gemini (PET/CT)
- ◆ Philips TF (PET/CT)
- ◆ Siemens Biograph (PET/CT)
- ◆ Siemens Symbia (SPECT/CT)

## Multiple Language Support

VISIO+ supports the following languages.

- ◆ English
- ◆ French
- ◆ Spanish
- ◆ Japanese and Arabic (coming soon)

## VISIO+ Features & Benefits

Keosys specializes in the conception and production of software and hardware solutions applied to medical imaging and health industries (state-of-the-art viewer, workstations and secured telecommunication systems). They are a leader in imaging and communication systems for radiology (CR, CT, MG, and MRI) and nuclear medicine (NM, SPECT/CT, and PET/CT). The VISIO+ viewer was created by a team of Nuclear and Radiology Doctors and provides the following functionality:

- ◆ **Multi-Planar Reconstruction.** Automatically display MPR of transverse images to coronal and sagittal planes of both anatomical, functional and fusion data.
- ◆ **Volume Blending.** Adjust the percentage of anatomical data with functional data in 1% increments.
- ◆ **General Image Manipulation.** Tools include contrast & window level with CT predefines, gamma correction, slice selection, triangulation, magnification, and zoom.
- ◆ **Measurement.** Tools include distance, angle, Region of interest (ROI), and Point of interest (POI)
- ◆ **Image Analysis.** Body weight SUV and Hounsfield Units are displayed for the analysis of PET and CT volumes. Minimum, maximum and average measurements are displayed for ROI.
- ◆ **Maximum Intensity Projection.** The viewer can create a MIP of the functional, anatomical, and fused data.
- ◆ **Modality Specific Color Tables.** A variety of color tables are available for both the functional and fused data to meet any physician's needs.
- ◆ **Display Variety.** Several layout options are provided for the display of both single and fused volumes including transverse, coronal, sagittal, and all three simultaneously. Multiple slices for a given orientation may also be displayed on the screen at once.

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