



## aycan workstation OsiriX<sup>PRO</sup>

IT power for multi slice reading



### DICOM

- » DICOM Storage SCU/SCP
- » DICOM Query/Retrieve SCU
- » DICOM Print SCU with FilmComposer
- » Import/Export various image formats (DICOM, JPG, TIFF, ...)

### Image manipulation

- » 3D Volume Rendering
- » 4D Viewer for Cardiac-CT and other temporal series
- » 5D Viewer for Cardiac-PET-CT and other temporal series
- » Image Fusion with adjustable blending percentage
- » MPR (Multi Planar Reconstruction) with Thick Slab
- » Curved and Orthogonal MPR
- » MIP (Maximum Intensity Projection)
- » MinIP (Minimum Intensity Projection)
- » DSA (Digital Subtraction Angiography)
- » Segmentation, Bone Removal Tool
- » Window/Level, Rotate, Mirror, Zoom, Pan
- » Overlay Switch On or Off
- » Display Length, Angle and Density
- » ROIs: Polygons, Circles, Pencil, Rectangles, Points,
- » CLUT (Color Look-Up Tables)
- » User-specific filters

### Organizational options

- » Generating study based Reports
- » Customizable Toolbars and various screen layouts
- » Cutlines in Topograms/Pilots/Scouts
- » Series synchronization and stack scrolling
- » Export Data to Patients CD, including DICOMDIR
- » Create manual or smart albums
- » One or more monitors

### Recommended Hardware Configuration

#### Mobile Workstation

- » 15 or 17-inch MacBook Pro, 2.6GHz Intel Core 2 Duo
- » RAM: 4GB DDR2 SDRAM (highly recommended)
- » 200 GB Serial ATA drive @ 7200 rpm
- » Option: Connect MacBook Pro with 23-inch or 30-inch display for DICOM viewing

#### Medical Imaging Desktop

- » Two 3.0GHz Quad-Core Intel Xeon (8-core)
- » RAM minimum 8GB (4 x 2GB) DDR2 ECC RAM (for larger DICOM stacks)
- » Graphics card: NVIDIA GeForce 8800 GT 512MB (Two dual-link DVI)
- » 300GB 15,000-rpm SAS Drives
- » Two 23-inch or one 30-inch display(s)

### Low cost, high speed Advanced Visualization

New generations of imaging modalities no longer acquire just a few hundred images per study – they acquire introducing aycan workstation OsiriX<sup>PRO</sup>, a high performance, cost effective and a highly functional workstation for conventional, multi-slice and other image reading.

### Designed by radiologists for radiologists

The aycan workstation OsiriX<sup>PRO</sup> was developed by aycan leveraging outstanding open-source project OsiriX. It is simultaneously an advanced image processing tool and a DICOM PACS workstation. Its complete plug-in architecture allows for easy expansion of capabilities making it a highly versatile and efficient system for clinical needs.

### Stable, versatile, compatible

Because the aycan workstation OsiriX<sup>PRO</sup> is built on Macintosh's operating system, it is extremely stable. Built for versatility, you can easily integrate aycan workstation OsiriX<sup>PRO</sup> into existing systems and network environments - or it can stand alone. Whichever way you choose, the workstation OsiriX<sup>PRO</sup> will be DICOM compatible with most of your existing equipment.

### Exclusive innovative technique for 3D/4D/5D navigation

aycan workstation OsiriX<sup>PRO</sup> has been specifically designed for navigation and visualization of multi-modality and multi-dimensional images: 2D and 3D, 4D (3D series with temporal dimension, for example: Cardiac-CT) and even 5D (3D series with temporal and functional dimensions, for example: Cardiac-PET-CT). The 3D Viewer offers all modern rendering modes: Multi-planar reconstruction (MPR), Volume Rendering and Maximum Intensity Projection (MIP). All these modes support 4D data and are able to produce image fusion between two different series (for example: PET-CT).

### Ultra fast performance system that is easy to use

With very fast upload times of images the 'waiting time' for radiologists is shortened significantly. You'll also pick up speed because the aycan workstation OsiriX<sup>PRO</sup> has an intuitive interactive user interface and a 30 inch wide, high-resolution monitor which allows for less eye disruption than with other systems using multiple monitors.

### Diagnostic Reading on the Highest Level

