

ORPAXERA

Acquisition and Viewing
Station for Xray Modalities



ORPaxera is a powerful acquisition and viewing station for the fluoroscopy, digital x-ray and angiography modalities. ORPaxera, through its video and digital interfaces, supports all DICOM and non-DICOM machines; this enables non-DICOM modalities to fully integrate with the PACS environment for added features and capabilities such as archiving and image information and processing. The ORPaxera system is also capable of doing online and offline DSA "Digital Subtraction Angiography" and Road Mapping.



Multi-format Support

- ✓ Supports most of the image formats (Bitmap, GIF, TIFF, JPEG lossy, JPEG lossless, JPEG 2000, Wavelet, DICOM and more).
- ✓ Supports video capture from machines with any of the following interfaces:
 - Standard video output (PAL/NTSC).
 - Non-standard video output [RGB] 3 or 5 leads.
 - Digital output.
 - Raw-data output.
 - DICOM output.

Image Manipulation and Visualization

- ✓ Powerful hanging protocol editor to visually customize the views and monitors according to the personal need and the current workstation setup.
- ✓ Image zoom and pan. ✓ Image stitch.
- ✓ Window width and window level adjustment with predefined presets.

Image Processing and Annotation Tools

- ✓ Various tools such as invert, rotate, resize, crop, and many filters (sharpen, smooth, etc).
- ✓ Different measurement tools: distance, rectangular area, ellipsoid, Cobb angle, etc.
- ✓ Region of Interest (ROI) processing and highlighting.
- ✓ Many types of annotation tools (arrows, lines, shapes, etc.) and body marks (body parts and directions).
- ✓ Image insets and scan-lines display.
- ✓ CT (Hounsfield unit) number track and region.

Added Features

- ✓ Voice note recording during image viewing.
- ✓ Reporting tool with automatic report generation.

Archiving and Transfer Studies

- ✓ Archive multiple patients at the same time.
- ✓ Archive images, cines, reports and voice notes to optical media, USB flash-drives or local directories with a built-in DICOM viewer (PaxeraViewer).
- ✓ Studies can be transferred to any DICOM-enabled machine (e.g. DICOM server for storage, CD/DVD burners for CD/DVD publishing, etc...).

Cine Tool

- ✓ Cine loop recording from fluoroscopy and angiography modalities with a speed up to 30 frames per second.
- ✓ Multiple cine loop display with playback controls.
- ✓ Various cine processing and manipulation tools (zoom, pan, filters, etc.).
- ✓ Cine export to DICOM, AVI or MPEG formats.
- ✓ Snap-shot capturing from cines.
- ✓ Automatic cine acquisition with trigger interface.
- ✓ Online and offline DSA/roadmapping.

Filming & Printing

- ✓ Easily customizable and flexible visual film designer with drag and drop feature for adding images to the film.
- ✓ Film settings include: imaging layout (columns X rows), printer selection, film size and type and page orientation.
- ✓ Print directly to both DICOM printers and Windows printers.
- ✓ Print preview can be displayed.
- ✓ Multiple films editing at the same time.

Supports All industry-standard DICOM services