

CATHPAXERA

Acquisition and Viewing
Station for Cathlab Modalities



CathPaxera is a powerful acquisition and viewing station for the cath lab modalities. CathPaxera is compatible with all types of cath lab machines (analog and digital) and also supports both DICOM and non-DICOM ones. Through its sophisticated cine tool, the operator has a full control over cine playback. This tool also provides for advanced image processing with the included wide array of different filters and tools. CathPaxera is also backed up with advanced tools for OCA and QLVA analysis in addition to the DSA and roadmapping.



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