

# CTPAXERA

Acquisition and Viewing  
Station for CT Modalities



CTPaxera is a powerful acquisition and viewing station for the CT modalities. It is capable of handling the huge image counts from the new multi-slice CT modalities and can work with both DICOM and non-DICOM machines. The advantage of converting the non-DICOM machines into DICOM-enabled ones is making DICOM specific features, as image transfer and archiving, readily available to the non-DICOM CT machine.

 **PAXERAMED**<sup>®</sup>  
NEW ERA IN PACS



## 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.

## MPR and MIP

- ✓ Orthogonal, oblique and curved MPR.
- ✓ MPR series can be generated from any plane with full control of the total distance, slice spacing, slice thickness and number of images. The slice thickness can be average, minimum or maximum.
- ✓ MIP can be generated for any plane with full control over the total distance, stationary step, motion step and the slices combined. The operator can choose the intensity as either average, maximum or minimum.

## Added Features

- ✓ Voice note recording during image viewing.
- ✓ Reporting tool with automatic report generation.
- ✓ 3D image reconstruction with the powerful integrated Voxar 3D® software.

## 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

- ✓ 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.

## 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.

## Key Images/Key Notes

- ✓ Mark the important images or those of interest in a study as key images.
- ✓ Text can be attached to any key image as a key note for easy reference.
- ✓ Easy retrieval of the key images and the attached notes.