iQ-3D
Version 3.2

iQ-VIEW ADD-ON
FOR POST-PROCESSING

iQ-3D* equips iQ-VIEW with all common features needed for the 3D image processing of CT and MRI studies.

MRP

Multiplanar Reconstructions (MPR) can be performed within seconds on a desktop computer and CT and MRI scans can be reformatted and viewed in any oblique orientation.

Intuitive widgets guide the user to exactly position the view plane in order to quickly get the desired view angle and position in space.

MPR supports the viewing of trauma, vascular, neurology and oncologic CT and MRI images.
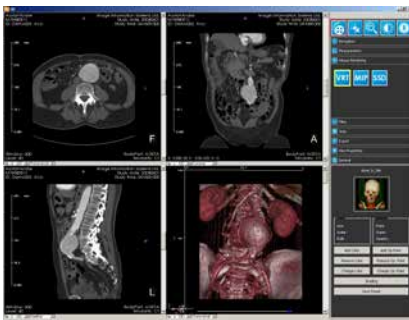
MIP

The Maximum Intensity Projection (MIP) maps the densest voxels of CT and MRI scans. This feature simplifies reading low and high contrast pathologies and is ideal for displaying vessels and bones.

SSD

Surface Shaded Display (SSD) visualizes the surface of high contrast objects like bones or metal in 3D and can be exported e.g. as a rotating sequence.

VRT

The epitome of 3D processing is the volume rendering (VRT). Highlight any tumor, bone or vascular structure in color for patients and referring physicians. Various colors, transparency and light setting options for different contexts make the tool easy to use. Unwanted structures can either be individually clipped or cropped from the image.

FILTERS

The addition of DENOISE and SOFTEN filters in MPR and SSD optimize the image impression.

MRP

MIP

SSD
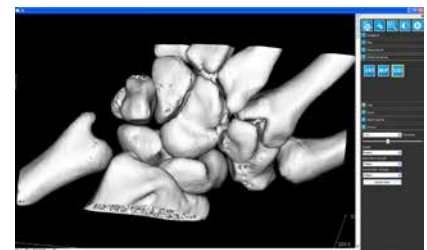
*   Please note: iQ-3D must not be sold or used in the United Kingdom

Medical imaging with iQ

iQ-3D FEATURES*

2D POST-PROCESSING

- MPR – Any oblique Multiplanar Reconstruction
- Creation of MPR reslice images (oblique)
- MPR navigation using widgets
- Export of secondary capture images to the local imagebox, fi lesystem or PACS

3D POST-PROCESSING

- VRT – Volume Rendering Technique for CT and MRI data
- SSD – Surface Shaded Display
- Auto-selection of hardware-optimized renderer for individual workstation
- GPU Raycast Renderer: Better quality for MIP/MinIP – Maximum/Minimum Intensity Projections
- Definition of different tissues for volume rendering
- Presets available for different tissues, e.g. "bones", "vascular", "muscles"
- Easy selection of the volume of interest, image filters
- Volume cropping and clipping
- Advanced measurement tools including ROI computation
- 3D rotating/zoom/pan and center/window
- Tissue-scrolling by W/L-tool & mouse moving
- Support of space navigation devices (3D Connexion)

GENERAL

- Simultaneous image processing in up to 6x6 user defined view
- Last position is displayed at restart
- Single seat and concurrent licensing
- The user can specify the viewing direction and also use coronal or sagittal series for post-processing
- Application available in a 32-bit version and a 64-bit version for processing large CT/MR series **NEW**

LANGUAGE

- Dutch, English, French, German, Japanese, Russian, Spanish

CERTIFICATION

- CE 0482 and FDA 510(k)**

* Detailed information on iQ-3D's system requirements is available in the iQ-3D Administration Guide or the iQ-SYSTEM PACS Hardware Purchasing Guide

** iQ-3D is a component of iQ-SYSTEM PACS 1.4 (FDA UDI B403IQS140)

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