



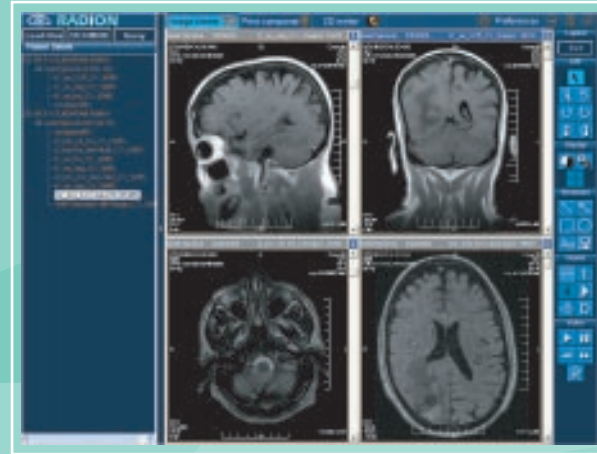
RADiON

the DICOM workstation

A standalone image management workstation solution powered by a DICOM store server and query engine. With its versatile and feature rich 2D and 3D viewer, RADiON is the ideal Viewing, Image manipulation and Reporting tool for radiologists.

Redefining Versatility

With a DICOM server and viewer rolled into one, and a state-of-the-art 3D visualization plug-in, RADiON has the flexibility to be easily configured as a Viewer on any existing PACS network or to function as a standalone image management solution. With its built-in industry standard compression functionality, RADiON can also be used in a Tele Radiology environment.



F E A T U R E S

ACCESS TO STUDIES

RADiON's DICOM Query/Retrieve interface allows users to filter studies stored on the server, based on patient demography, study type, date and other parameters. User customized filters can be used to display specific studies most frequently accessed. RADiON also allows users to access DICOM files or DICOM directory folders stored locally or on the local area network.

VIEWING & IMAGE MANIPULATION

RADiON allows users to customize the viewer by providing multiple window and image matrix options and facilitates comparison of images from multiple modalities, studies, and series. Not just images, RADiON also provides the tools for viewing multiframe images.

A feature rich image manipulation tool set includes functions such as zoom, pan, rotate, window leveling, hounsfield values etc. Additionally users can also annotate the images using text, lines, circles, rectangles and perform linear measurements.



REPORTING

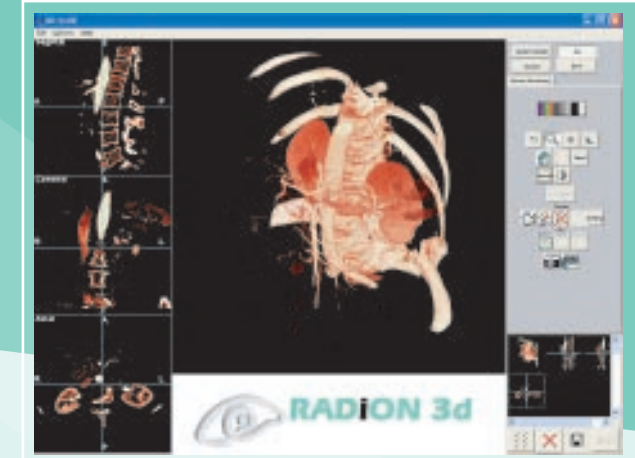
RADiON's reporting module provides the user with a powerful tool to create multiple study specific reporting templates thus decreasing turnaround time for reports.

STUDY DISTRIBUTION

RADiON's PRINT Composer allows users to select and organize images from across studies for printing to DICOM and windows based printers. The CD distribution module facilitates distribution of radiology studies to patients and referral physicians by burning selected images to CDs with a built-in image viewer.



RADiON 3D is an enhanced and state-of-the-art 3D visualization plug-in that empowers imaging facilities for better diagnosis and patient care.



3 D F E A T U R E S

RENDERING

RADiON provides fast high-quality volume rendering. Volume rendering algorithms include Color, Greyscale and Maximum-Intensity Projection. Volumes may be viewed and manipulated using a highly interactive user-interface.

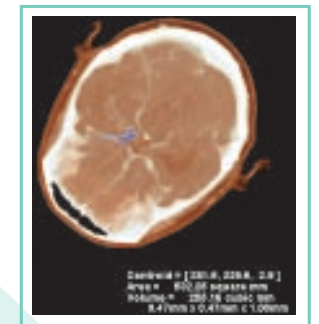
MULTI PLANAR REFORMAT

The MPR Module includes a powerful suite of tools for generating MPR sections. These include Oblique and Double-Oblique Sections, 3D Correlation Volume Display, a Multi-MPR Tool for generation of multiple sections along a chosen orientation, an MPR-Slab Tool for visualizations of desired thickness and Slab Modes for Blending, Maximum Intensity Projection and Minimum Intensity Projection.



MIP

RADiON's MIP (Maximum Intensity Projection) module includes a fast high-quality MIP display with thresholding to exclude unwanted intensities and MIP-Radials for incremental rotated MIPs.

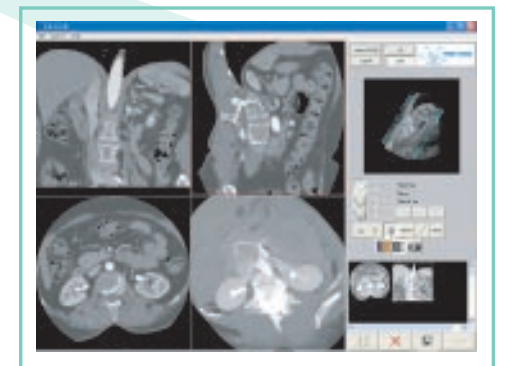


REGION SEGMENTATION

Regions within the volume may be defined by pointing and clicking in the 3D or MPR displays. Volume measurements are displayed for the selected region. Regions can also be deleted from the volume.

CUTAWAY VIEWING

Volume-interiors are easily visualized using the Cutaway-Viewing tool. A Cut-Plane is used to slice through the volume, revealing the interior regions. The cut-plane can be easily positioned and oriented using the mouse. The VOI (Volume-of-Interest) tool allows interactive, real-time Volume-of-Interest display. The user can isolate and view sub-volumes of interest very easily and in real-time.



www.ashvatech.com



ASHVA TECHNOLOGIES PVT. LTD.

#15 ARK Colony, 'Urmilla House' - 1st Floor, Eldams Road, Alwarpet, Chennai - 18, India.
Ph: 91-44-4208 8867 / 76. Fax: 91-44-4208 8897