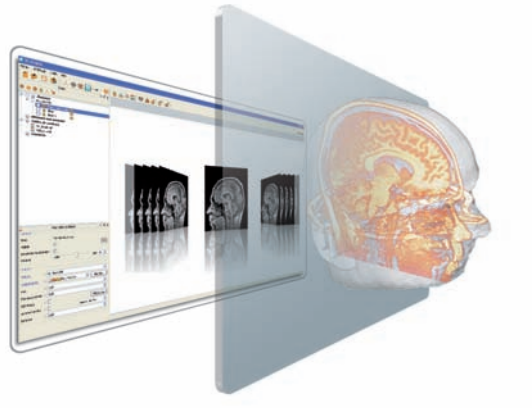
3DTV SOLUTIONS

3D-VizMED

Volumetric images and FullDepth™ 3D viewing of medical files

3D-VizMED is an integrated tool for viewing, handling and understanding scientific data from a variety of sources: images produced by optical and electronic microscopy, scanners, MRIs, PETs, SPECTs, 3D ultrasound scans.

These images are viewed in full volume by 3D-VizMED and can be seen collectively in FullDepthTM 3D on a vast range of 3D screens.



3D-VizMED, a revolutionary tool

The innovative FullDepth™ 3D viewing techniques used in 3D-VizMED give you a detailed and interactive preview of your data in real time.

3D-VizMED allows intuitive creation of 3D animations thanks to keyframe systems.

The software uses modern graphics efficiently to display large sets of data interactively with unparalleled image quality.

3D-VizMED lets you :

- View images and objects in real time and in the full depth of the volume using a broad selection of rendering modes.

- Identify objects automatically or manually, determined by their shape, intensity and size.

- Create exceptional images and animations for your presentations with just a few clicks.

FullDepth™ 3D vision

There is no denying that a volume displayed on a 2D screen remains hopelessly flat. This leads to errors of interpretation and possibly misinterpretations.

FullDepth™ 3D vision gives a real and accurate perception of medical images in space.

3D-VizMED lets you view volumes on auto-stereoscopic screens in full 3D without glasses.

Supported formats
- Standard bitmap formats (RAW, TIFF, BMP, PNG, JPEG,...)
- Microscope-specific images (Zeiss LSM files, Biorad PIC files, etc.)
- Medical images (DICOM, Analyze)

Data processing and analysis
- Resampling
- Cropping
- Rotation
- Voxel sizes
- Surface reconstruction

3D viewing
- Viewing volume and surfaces
- Orthogonal and oblique slicing
- Support for multiple views integrating 2D and 3D display for enhanced volume scanning
- Endoscopic viewer

Ergonomics
- Easy point & click identification of objects
- Editing transfer functions
- Handling planigraphic planes (optical clipping)
- Lighting and modification of equipment settings

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