

Sofia 3D Workstation

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3D Visualization for Breast Volumetric Ultrasound.

Faster and more accurate breast diagnoses through extensive, easy-to-use & cutting-edge tools for imaging volume visualization

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3D for breast imaging: see things from a new perspective.

What enables iVU's Sofia 3D viewer to be the ultimate diagnostic imaging tool is its ability to:

- Allow doctors to thoroughly examine the breast in true 3D*
- Definitive suspect tissue localization with MPR visualization*
- Offer reproducibility and standardization of breast diagnoses*
- Provide an end-to-end, operator independent, procedure*
- Deliver cost reductions via workflow improvements*

The Sofia 3D Workstation and Sofia Breast Volumetric Ultrasound offers a breast imaging method that is painless, non-invasive, uses no harmful ionizing radiation, a touch free breast examination that can be repeated as often as necessary and helps to differentiate cancer from benign lesions.





The Sofia 3D solution is a totally interactive tool. You can change any setting within its operation and instantly see the resulting image for true real-time imaging. This capability allows the user to be in control of imaging processes to produce superior results.

It's ease-of-use makes it perfect for the radiologist, clinician, technologists and other specialty professionals.

Features

Image Rendering Modes -
Multi Planar Reformations (MPR) allowing doctors to take arbitrary slices through the breast.
Maximum Intensity Projection (MIP) enhancing features in true 3D space.
Direct Volume Rendering (DVR) presents morphology in 3D.

Interactive Multi-Planar and double oblique Reconstruction (MPR)

View Layout / Multiple Views - supports single, four, nine, sixteen and twenty-five views.

VOI Volume of interest/ Visual 3D shutters - provides clipplanes to remove objects quickly and easily from the view.

Measurement & Annotation - save lengths, diameters, angles, add text comments and insert arrows.

Volumetric Tool - semi-automated tool to perform volumetric and area measurements on arbitrary 3D structures.

Knowledge Base - view textbook-style 3D illustrations and descriptions from links to external websites.

Reporting - pre-defined, editable reports reduce the time to complete an exam and increase departmental through-put.

The SOFIA advantage:

The introduction of the iVu breast imaging solution brings a revolution to the diagnosis of breast cancer.

Now breast exams can be performed without breast compression; the iVu system does not even touch the breast. The exam is completely painless and of course there is no exposure to harmful x-rays.

The whole solution is especially beneficial when imaging women with dense breast or women that feel uncomfortable to have the breast touched.

This unique scanner when combined with the advanced Sofia 3D workstation provides a holistic breast cancer management system. This is the first operator skill independent system that can truly compare historical scans because of its unique ability for reproducibility and standardization.

iVu's product brings a revolution in breast radiology. It will have an impact in the international radiology community, as it will offer much needed solutions in a cost effective manner.

