Real Time Tomography, LLC

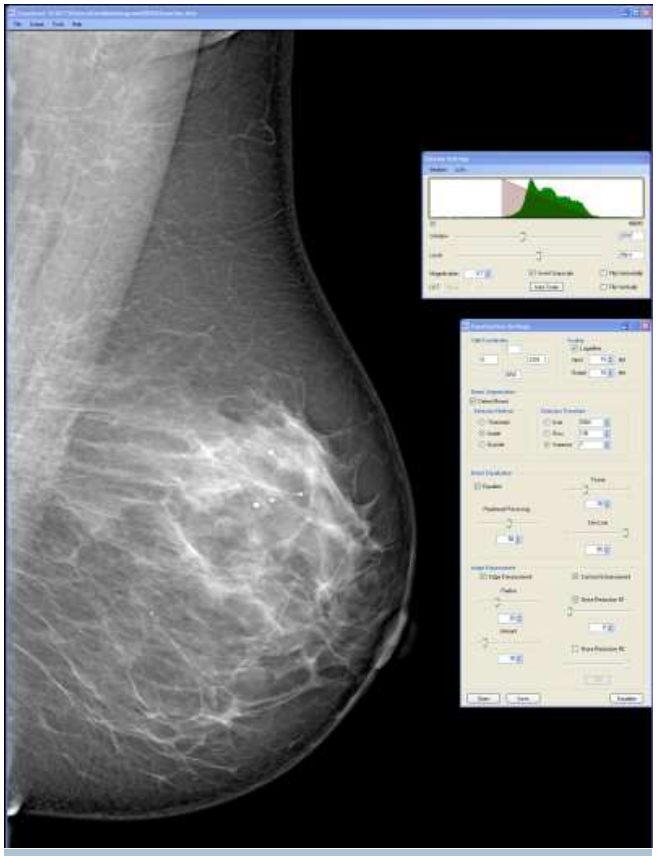
Improving Diagnostic Accuracy and Clinical Workflow

AdaraView™

Advanced Image Processing and Analysis Software

AdaraView™, from Real Time Tomography, is advanced image processing and analysis software for digital mammography. Digital mammograms can be processed for better visibility of breast tissue and improved conspicuity of lesions.

Its ultra-fast processing and menu-driven, ergonomic controls allow the user to select the processing parameters for a desired image appearance and presentation.



AdaraView is an easy, menu-driven application for the processing and enhancement of digital mammograms.

AdaraView is a Windows-based software application used by leading academic institutions and corporations for image processing and mammography research.

AdaraView reads and saves images in DICOM format. Selected parameter settings can be saved for different image appearances. With its batch processing feature, a series of images can be quickly processed and saved.

AdaraView has built-in image analysis tools to facilitate the examination and understanding of the image data.

FAST AdaraView is powered by the Adara™ 2D image processing and enhancement library for digital mammography. A mammogram is processed with a simple click of a button. The processed mammogram is immediately displayed in AdaraView's main window.

FLEXIBLE Select and adjust each parameter for the desired image presentation. Save the parameter settings to a file for different image appearances and for future use.

EASY to USE AdaraView reads and writes images in DICOM format. All image processing parameter controls are conveniently available in one menu. Evaluate and analyze the image data with the image processing tools available in AdaraView.

AdaraView is for investigational use only.

AdaraView Features

ADVANCED IMAGE PROCESSING	Uses the Adara 2D library's image processing algorithms for breast segmentation, thickness equalization, tissue contrast enhancement, feature enhancement and noise suppression.
DICOM FILE SUPPORT	Reads DICOM MG and SC mammograms. Writes "FOR PRESENTATION" DICOM images.
DICOM VOI LUT	Supports linear, sigmoid and user-defined look up tables.
SAVE PARAMETERS	Parameter settings can be saved to a file for different image appearances.
BATCH PROCESSING	A series of images can be processed with the same parameter settings.
HISTOGRAM	A graphical histogram displays the distribution of the image data.
PIXEL DATA	Each individual pixel data value is displayed as the mouse pointer moves.
PAN, FLIP & ZOOM	The displayed image can be fully manipulated using the mouse and menu controls. Pan, flip and magnify the image in AdaraView's main window.
PIXEL INVERT	Invert the image data while keeping the background black.
WINDOW & LEVEL	Automatic and manual scaling of window and level settings using the mouse or menu controls.

Performance

AdaraView is powered by Real Time Tomography's advanced Adara 2D image processing and enhancement library. Available for both the GPU and CPU, a standard mammogram can be processed immediately in AdaraView for the GPU and in a few seconds in AdaraView for the CPU.

System Requirements

The minimum requirement for AdaraView is a workstation using 64-bit Microsoft® Windows® XP, Vista®, or Windows 7® operating system. OpenGL® version 2.0 or higher is recommended for better image display performance. The GPU-based AdaraView requires a supported NVIDIA GPU card.

File Format

AdaraView reads and saves mammograms in DICOM format. DICOM-compliant tags for mammography are required in the DICOM header of the file.

Licensing

AdaraView is licensed on a per-copy basis and requires a valid software registration key obtained from Real Time Tomography.

Adara Software Development Kit (SDK)

The Adara SDK includes one copy of AdaraView and is available to manufacturers interested in evaluating the Adara 2D library for product integration.

Evaluation

Time-limited trial versions of AdaraView are available to academic researchers.

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For more information contact:
+1 484-234-2228
info@RealTimeTomography.com
www.realtimetomography.com