



Workstation and Clinical Applications



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Intuitive, Powerful Image Processing and Analysis

3Di Workstation is a cutting-edge, comprehensive suite of advanced visualization tools and clinical applications running on standalone Windows PCs. The software has minimal resource requirements and will run out-of-the-box on Windows-based desktop and notebook computers.

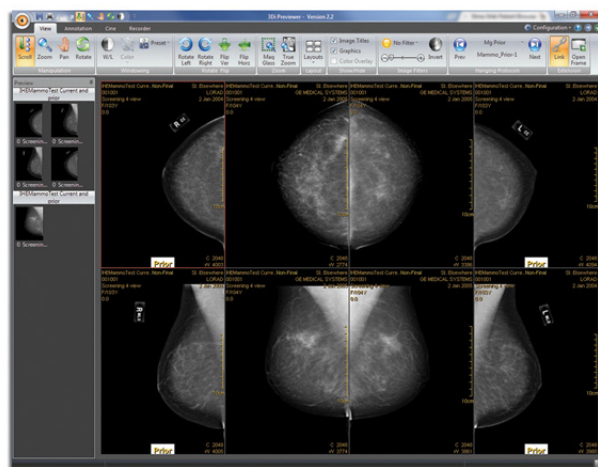
Key Features:

- Full-featured advanced visualization and clinical applications.
- Local archive for managing imaging studies locally.
- Local repositories are accessed using the Patient Browser.
- Extensive user interface personalization, including layouts, mouse operations, database operations and more.
- Report module incorporates images, graphs, tables and findings.



3Di Previewer is an advanced multi-modality diagnostic viewer for displaying 2D, 3D and 4D (sequence) images. Using high-speed proprietary streaming technology, 3Di Previewer loads studies directly from the server and allows fast and easy image reading with minimal user interaction.

Key Features:

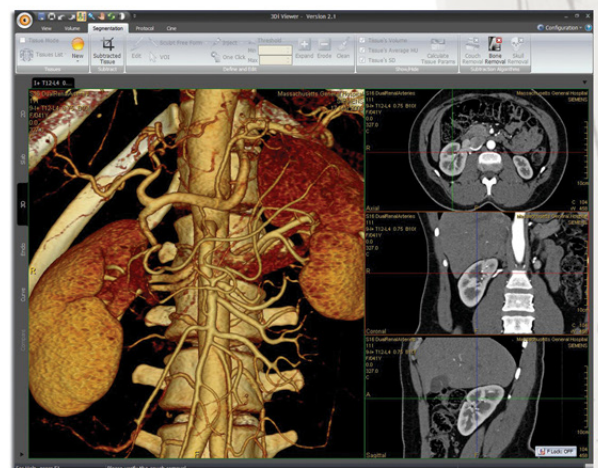


- Advanced multi-modality 3D image viewing (VR, MIP, MPR, average) with variance-of-image manipulation tools.
- Multi-monitor support.
- Multiple series with thumbnail drag-and-drop views.
- Native MPR, MIP and VR reconstruction capabilities.
- Color Palates for PET/SPECT images
- Report or print any generated image.
- C-arm orientation and ECG signal display.
- Hanging protocols with dedicated mammography tools, grouping and staging, with an easy-to-use graphical editor for HP creation and editing-Easy-to-use MR spine labeling.

3Di Viewer is a comprehensive multi-modality medical imaging viewer, featuring remarkably high image quality, real-time interactivity and a complete set of tools for advanced image viewing and analysis. **3Di Viewer** is used by referring physicians and imaging specialists to review, analyze and report imaging studies.

Key Features:

- Review and analysis of CT, MR, NM, PET, US, angio, DR and CR images.
- Image filters include enhance, smooth and invert.
- Measurement tools include pixel value, distance, ROI and angle.



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3Di Viewer

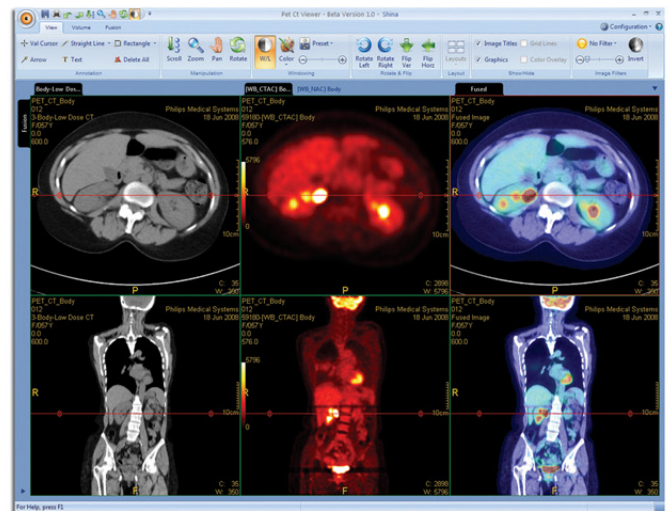
Key Features:

- Double-oblique MPR with slab MIP/volume rendering.
- Volume rendering, MIP, average, and MinIP, with presets and editable protocols.
- Volume editing and segmentation tools include dynamic region growing, cut, sculpt.
- Intuitive, semi-automatic tissue segmentation tools, including dynamic injection and one-click component selection.
- Cube view, cut plane and sculpting tools for sub volume investigation.
- Endoluminal view – synchronized orthogonal views and path flythrough.
- Straightened MPR (“panoramic”) view.
- Vessel tracking (CT/MR) with auto centerline.
- Advanced vascular analysis tools dedicated for curve review.
- Comparison mode for follow-up studies.
- Batch and movie tools.
- Allows saving records of results, images & movies.
- Multi-lingual support.

3Di PET-CT Viewer delivers an easy-to-use fusion of PET and CT image data analysis.

Key Features:

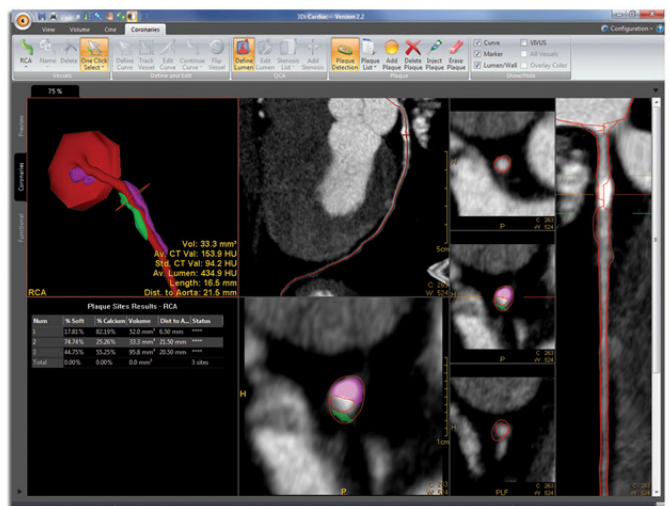
- Rigid manual registration.
- Fused PET/CT images.
- Review of 2D and multi-planar reformat (MPR) CT and PET images.
- PET/CT adjustable blending percentage.
- Cross-referenced image display.
- Calculation of SUVs.



3Di Cardiac is an advanced Cardiac CT imaging and analysis tool, enabling more accurate and more rapid assessment of the heart's coronaries and functions. 3Di Cardiac automatically provides access to in-depth diagnostic information on the heart and coronary arteries through a seamless knowledge-based segmentation tool, all with minimal user interaction.

Key Features:

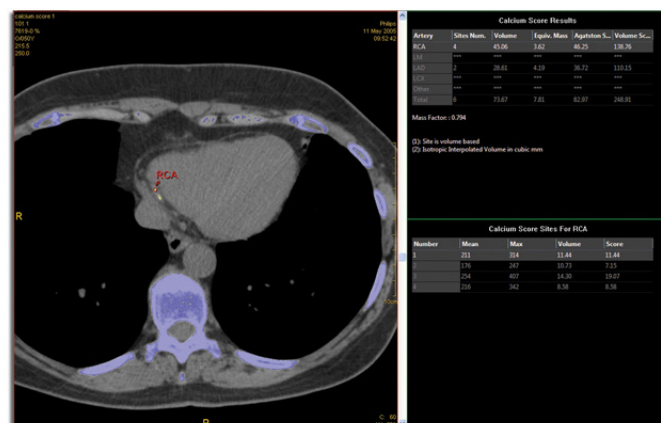
- Simplified workflow and minimal user interaction based on a total heart segmentation model.
- Bulls-eye maps.
- Complete coronary assessment.
- Automatic segmentation of the heart into its component parts.
- Ventricular and myocardial function analysis.
- Intuitive 3D coronary artery presentation.
- Advanced QCA and plaque assessment tools.
- Calculation of functional cardiac parameters.
- One-click vessel tracking and auto-labeling.
- Unique virtual IVUS view of coronary vessels.



3Di Calcium Scoring is a highly-automated application which segments calcified sites, identifies the coronary arteries and calculates the calcium scoring.

Key Features:

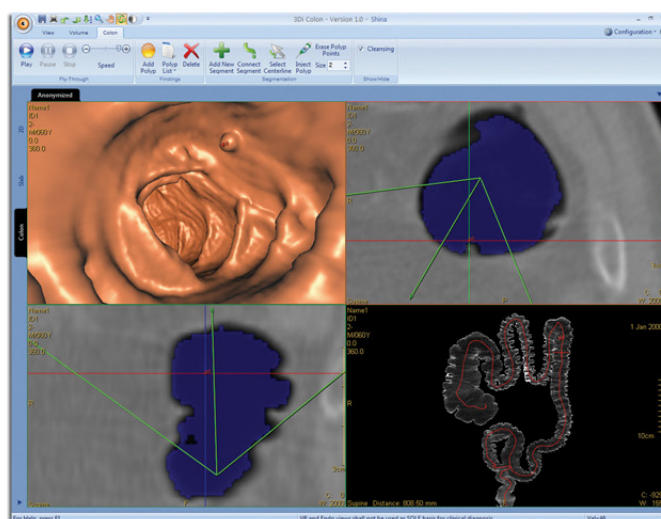
- Easy modification and approval of the detected calcium sites.
- Agaston and mass scoring methods for Calcium Score quantification.
- Single-click ROI selection for manual site attribute and classification.
- Calcium Score site table showing the selected coronary and its calcium deposits.



3Di Colon is a full-featured virtual colonoscopy clinical application for viewing, evaluating and analyzing virtual colonoscopy CT images. **3Di Colon** is based on automatic colon segmentation, during which the software automatically isolates the colon from the CT volume data.

Key Features:

- Multi-planar reformat (MPR) views, virtual endoscopic and volume views.
- Fast, automated processing tools, including:
 - ◆ Colon segmentation
 - ◆ Bowel cleansing
- Virtual fly-through feature for interactive navigation through the colon.
- Manual polyp marking and measurement.



3Di Brain Perfusion is a powerful application for the evaluation of brain perfusion functionality.

Key Features:

- Calculates and displays color maps of the cerebral blood flow and other perfusion-related parameters.
- Assists clinicians in stroke assessment and treatment planning.
- Optimized color display of results maps for CBV, CBF, MTT and TTP.
- Mirroring of ROIs about the midline of the brain
- Measurement tools, including pixel value, distance, ROI measures and angle.

