

## Vision Multi-modality Viewer – with 3D

*Beyond  
Roentgen  
Imaging  
Technologies*

**BRIT Vision** is a primary diagnostic, 12-bit DICOM-based medical image viewing station designed to make the radiologist highly efficient. It provides a superior platform for the viewing of medical images in mission critical environments. With its integration to Roentgen Works server and SpeechWorks application, BRIT Vision introduces a new paradigm of efficiency and accuracy in the reporting process.

**BRIT Vision** runs on the LINUX operating system and utilizes the latest CPU, image display and application development technologies. Refined over many years of consultations with radiologists and physicians, it provides a rich toolset for analysis of medical images on a secure and stable Linux platform. Offering industry leading functionality at affordable prices, the BRIT Vision Product provides the following functions:

### Highly Configurable Solutions Providing:

- Powerful easy-to-learn and easy-to-use application
- Simultaneous support for grayscale and color monitors
- Monitor display resolutions from 1200x1600 up to 12 mega pixels
- Landscape and portrait monitors including mixtures of up to five color and grayscale monitors
- Solid State Drives for added speed
- Assignable hot keys and highly configurable screens
- API for 3<sup>rd</sup> party integration to worklists, and VR, including PowerScribe 360.
- Communicate with BRIT button for ease of issue reporting



### Integration with Roentgen Works and SpeechWorks:

- Stores “Key Views” to Roentgen Works for use in reports
- Initiates of On Hold/Urgent Workflows and Peer Review in Roentgen Works
- Dynamic control of downloading studies
- Automatic updates of user settings (IP/AE/Port) for Roentgen Worklist users
- Creation of reports in SpeechWorks complete with key images, annotations and measurements along with the ability to initiate a Critical Findings response
- Time elapsed since study acquired column – visible until study read, and time remaining to meet Service Level Agreements

*Note: also see BRIT Vision for Mammo brochure.*

# BRIT Vision Viewer

## **Advanced Functions Including:**

- User definable preset W/L values with default set in hanging protocol
- Preset W/L values selected by pointing & clicking on ROI
- Support for multiple recommended W/L settings and Sigmoid Hanging protocols - user definable, sharable and specific by:
  - Modality type and
  - Specific modality by application entity title
  - Body Region
  - Exam description
  - Combination of exam description and specific modality
  - Combination of specific modality and body region
  - Availability of comparison study



*3D Rendering with AIRE*

- Hanging protocol can include the hanging of orders and old reports
- Sequential hanging protocols – single click advances forward or backwards to next hang, with comps
- Dynamic, sharable worklists; system tracks users with exams open and warns if multiple radiologists have the same unread study open. Worklists can query multiple servers simultaneously.
- Annotation tools include distance and calibration tools, measurement across slices, angle measurements, free hand drawings, a palette of shapes, including boxes, ellipses, arrows and text. ROI ellipse, rectangle and freehand for Hounsfield analysis; US region of interest measurements
- SmartComp hangs comparison on adjacent monitor, at same W/L, magnification setting, etc.
- User controlled linking of series within and between exams, as well as across monitors
- Auto-linking of all relevant series via X-ref – across multiple studies
- Location marker across all series
- Multiple clones
- Spine labeling tool for sagittal images that automatically labels axial images
- Multi-Planar Reconstruction (MPR) and 3D Volume rendering
- BRIT AIRE Optional high speed 3D rendering
- Support for DICOM key objects, DICOM presentation states and structured reports (IHE)
- Ability to download select exams in the background using Download Queue
- Support for true size viewing and printing to DICOM printers
- Warning message if study marked as “Read” without viewing all images in the study
- Teaching Files and export of images
- Quick access to comparison studies and tools for defining comparison studies
- Quick access to all existing reports and orders on system
- Tabbed environment supports quick navigation between patients/studies/worklists

## **Advanced Worklist Capabilities**

- Supports worklists federated across multiple DICOM servers. Each server may list comparison studies only
- Dynamically reconfigurable by user
- Over-read support: Icons displays name / location of reading radiologist when study opened by another radiologist
- Supports queries by study status, location, date range, modality type, body region, patient age
- PowerRead allows user to automatically open the next study on the list without returning to the list

## **HIPPA Support:**

- User authentication, Auto-screen blanking after set time period, logging of access at server