

**BRIT**  
Systems

Leader of the PACS

*Beyond  
Roentgen  
Imaging  
Technologies*

# BRIT Systems

## Vision Multi-modality Viewer – with 3D

**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 new integration to our 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 in CPU, image display and application development technologies. Refined over many years of consultations with radiologists and physicians, it provides a rich tool set 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 10 mega pixels
- Landscape and portrait monitors including mixtures of up to five color and grayscale monitors
- Solid State Drives for added speed
- Gigabit Ethernet
- High-speed graphics rendering hardware



### **New integration with Roentgen Works and SpeechWorks allowing:**

- Synchronization of passwords between Roentgen Works and Roentgen Files
- Store “Key Views” to Roentgen Works for use in reports
- Initiation of On Hold/Urgent Workflows in Roentgen Works

- Automatic updates of user settings (IP/AE/Port) for Roentgen Works users
- Dynamic control of downloading studies
- Voice commands for image manipulation in Vision
- 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

BPB-BVV-0001  
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# BRIT Vision Viewer

## **Advanced Functions Including:**

- User definable preset W/L values
- Default W/L values as part of the hanging protocol
- Preset W/L values selected by pointing & clicking on ROI
- Support for multiple recommended W/L settings and Sigmoid Hanging protocols are user definable and sharable. They can be specified by these categories:
  - Modality type
  - Specific modality by application entity title
  - Body Region
  - Exam description
  - Combination of exam description and specific modality
  - Combination of specific modality and body region



3D Rendering with AIRE

- Hanging protocol can include the hanging of orders and old reports.
- Auto display of comparison reports when cursor moves to comparison study
- Dynamic, sharable worklists; the 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 that include distance and calibration tools, angle measurements, free hand drawings, a palette of shapes, including boxes, ellipses, arrows and text. ROI ellipse, rectangle and freehand for Hounsfield analysis are also available.
- 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
- Location marker across all series
- 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
- Shows 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/worklist
- Toolbars on side of viewing screen user definable by modality type. Can also be hidden or moved.

## **Advanced Worklist Capabilities**

- Supports one list for multiple servers. Each server may selected to just display comparison studies
- Dynamically reconfigurable by user
- Icons display when exam is 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 is provided by:**

- User authentication
- Auto-screen blanking after set time period