

BRIT Systems

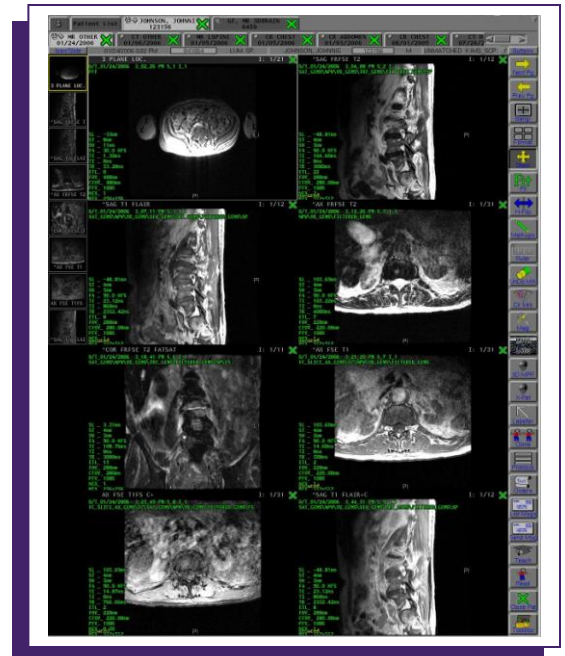
Vision Viewer

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 with 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. It has been refined over many years of consultations with radiologists and physicians. The system is very stable and secure and supports a rich tool set for the recall and analysis of medical images. 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 3900x2400
- Landscape and portrait monitors including mixtures of up to five color and grayscale monitors
- Flat panel or cathode ray tube
- 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

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Advanced Functions Including:

- User definable presets
- Default values established as part of the hanging protocol
- Presets selected by pointing & clicking on area of interest
- Support for multiple recommended settings
- 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
- Hanging protocol can include the hanging of orders
- Dynamic worklists built by selecting exam date, body region, modality, exam status and others. Users can all have the same worklist; 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
- 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 print to DICOM printers
- Shows warning message if study marked as "Read" without viewing all images in the study.
- Teaching Files and export of images via thumb drive
- 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 user definable by modality type



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
- Tracking of patient access by user ID in a file that can be imported into other databases