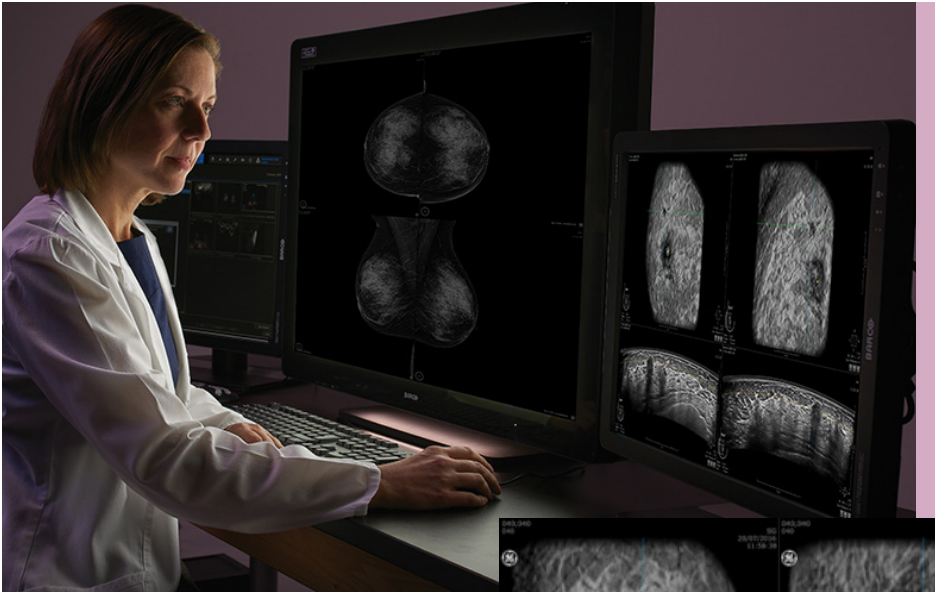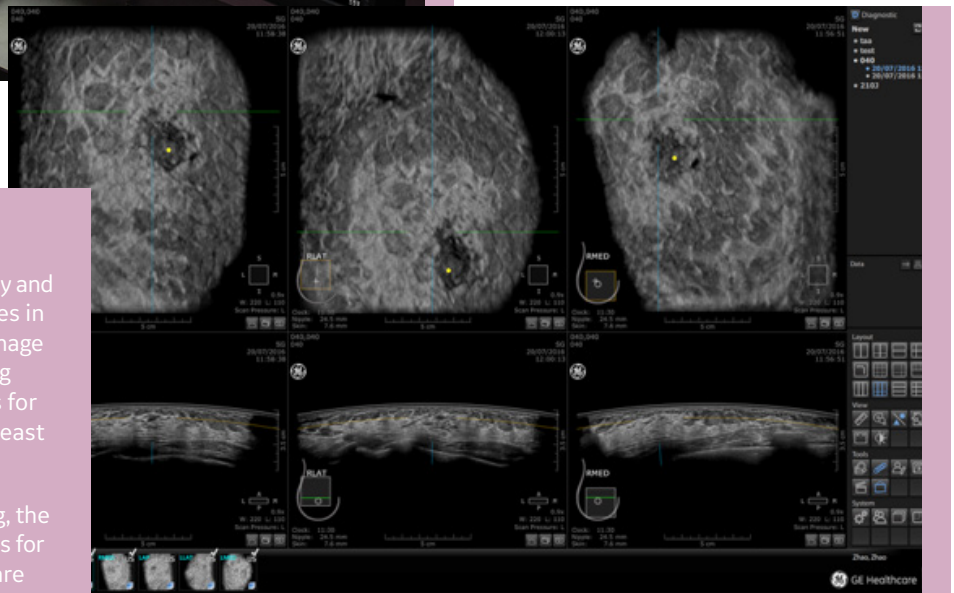# Invenia ABUS Viewer

Product Data Sheet

Invenia™ ABUS Viewer

The Invenia ABUS Viewer is designed to display and render Automated Breast Ultrasound images in multiplanar mode. By leveraging advanced image manipulation techniques and incorporating interpretation and workflow tools, it allows for a fast and efficient review of Automated Breast Ultrasound images.

Using 64-bit technology and GPU Computing, the Invenia ABUS Viewer provides advanced tools for efficient analysis and reporting. The software incorporates user interface icons, a multi-language* user interface, and has multiple viewing and hanging protocols, which can be customized by the user.

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Invenia ABUS Viewer *(cont.)*

Image display and navigation

Individual user defined hanging and viewing protocols

Multi-slice viewing: 4 – 12 images

Streamlined review protocols for rapid workflow and throughput

Standardized view orientations: thick-slice coronal, transverse, sagittal, radial, anti-radial and ROI views

Variable slice thickness: 0.5 – 10.0 mm (increments of 0.5 mm)

Slice step: 0.5 – 2.0 mm (increments of 0.5 mm)

Grayscale windowing and leveling

Pan and zoom magnifying tools

CINE review with adjustable playback speed

360° APC – Any Point of Compass display

Side-by-side display for coronal view comparison (3 views)

ROI based prior comparison

Right-click graphical navigational tools

Display of acquisition notes and markings

Comprehensive digital platform that allows for the integration of optional third party AI applications that complement the Invenia ABUS Viewer suite of tools

Networking/storage/archiving

User login authentication

DICOM® Lossless compression

DICOM 3.0 compliant	• Query/retrieval SCU • Store SCP/SCU

One-to-many DICOM data transfer

Import/export to storage media

Annotation and reporting

3-dimensional position referencing by	• Clock position • Distance from nipple • Depth from skin surface

Measurement toolbox

Standardized labeling for scan positions

Graphic labels for scan position and clock position

Customizable auto report function with user selectable images

Efficient reporting tools

Patient study browser

Patient list filtering based on user's setting

System requirements

Video card	• Support for OpenGL 3.3 or higher • 4 GB GDDR5 dedicated video memory or more • Support resolution of at least 1920 x 1200 at 60 Hz *Note: NVIDIA Quadro Series Card preferred. NVIDIA Quadro P2000 recommended. On-board GPU (e.g. Intel HD) not supported.* *Only single card configuration are supported on NVIDIA, AMD, or Barco cards. If dual graphics cards or advanced configurations are required, consult your GE Solution Specialist.*

Monitor	• Minimum requirements:
	  – 24" color monitor (or 21" monitor if toolbar auto-hide option is used)
	  – Minimum resolution: 1920 x 1200
	• Recommended monitor specs:
	  – 24" or greater diagonal size
	  – 1920 x 1200 resolution or higher LED backlit, color panel
	  – Brightness: 250 cd/m or greater
	  – Contrast ratio: 1000:1 or higher

Operating system	• Windows 10 Professional 64-bit
Database	The Invenia ABUS software uses PostgreSQL database. The database is installed and configured automatically during the installation process. No other instances of PostgreSQL database are supported on the same computer.
Processor, memory	• Intel i5, i7, or Xeon CPU, 4 cores, 2.8 GHz, 8 MB cache or better • 8.0 GB RAM or better (32 GB recommended) • Minimum requirements at installation: 8.0 GB of RAM
Available disk space	• Hard drive with 400 MB reserved for application and separate hard drive/disk space for exams (1 GB per exam, recommend 300 exams cache) • Minimum requirements at installation: 300 GB
I/O and media	One or more USB 2.0 port, DVD player
Input devices	Standard keyboard and mouse with 3 buttons and scroll wheel with individually distinct detents
Network	• Minimum: 100 Mbps LAN • Recommended: 1 Gbps LAN

*Supported languages include: English, Spanish, French, German, Italian, Portuguese (Brazil and Portugal), Swedish, Danish, Dutch, Finnish, Norwegian, Japanese and Russian