

Seno Iris™

Review Mode

Seno Iris in the Review mode has been designed as the technologist's workplace for the management of clinical data and image display of Digital Mammography (MG), Computed Radiography (CR), and Breast Tomosynthesis (BTO and CTO) images from multiple major manufacturers. Seno Iris, Review mode, provides easy access to prior images and reports.

Seno Iris, Review mode, provides:

- Easy input of clinical findings during the physical examination
- Worklist notification of radiologist requests for additional views
- Easy access to radiologist image annotations
- Automatic documentation of acquisition parameters if provided by the acquisition system in the DICOM** header



Image Viewing Features

Image Presentation & Processing

- Auto-scale: Fits the largest breast into display viewport and scales all other images correspondingly
- Auto-align: Paired symmetric image alignment of mis-positioned breasts during acquisition
- Auto-update: Newly arriving data (e.g. additional views, CAD) is displayed immediately
- Automatic pre-fetching of prior exams with a visual indication of the pre-fetching status
- Image Folder: A thumbnail gallery gives an overview of all images available for a patient
- Hanging Protocols: fully customizable sequence of layouts
- Fast stepping to next protocol layout
- Linked Pairs: All images can be zoomed simultaneously and panned with auto-alignment
- Zoom options:
 - Auto-scale
 - Free continuous zoom
 - Quadrant zoom
 - Zoom navigator
 - Magnifying glass
- Cross-link: Displays plane of point selected in corresponding image view
- Invert images
- Change orientation (rotate, flip)
- Cineloop control for mouse wheel
- Media viewer to display 2D and 3D images
- Contrast (WW) and brightness (WL)
 - Automatic vendor-specific WW/WL settings
 - Interactive adjustments per image, or per study, or on all images
- Printing improvements
- Print screen
 - Multiple printers configuration
- Enhanced search functions
- Customizable display of information from the image's DICOM header
- Ability to organize specific exams in Case Collections.

These cases are protected from being purged from the cache
- Individual per user settings and preferences
 - Patient browser arrangement
 - Hanging protocols

- Search criteria
- Printer settings
- Cineloop speed
- Tool bar position
- Font and icon sizes
- Simple Image and Numeric Report (SINR)
 - Report Reader
 - Report Creator (for desktop PC only)

CAD Display

- Displays CAD markers for micro-calcifications and masses
- Supports DICOM CAD Structured Report (SR) objects
- CAD Inspector allows to navigate through all CAD markers and displays corresponding area magnified in an overlay window

User Management

- Unique user name and password

Optional Keypad Support

- Fully configurable keypad to user preferences

Interfaces

- DICOM Storage SCP and SCU
- DICOM Query and Retrieve SCU
- DICOM Print SCU
- DICOM Modality Worklist SCU with DICOM MPPS
- Read and create DICOM CD/DVD including a DICOM viewer
- Store clinical conspicuities and patient medical history reports as DICOM SR, DICOM Presentation State and encapsulated DICOM PDF
- Send reports via MLLP protocol as HL7 messages
- Image compression and decompression using JPEG 2000
- Supports decompression of JPEG Lossless. Non-Hierarchical, First-Order Prediction (Process 14 (Selection Value 1)) compressed images
- Export Bitmap images for presentations



Hardware requirements

- Processor: 2 core CPU or better
- Operating System Storage: 1 device with at least 10GB free space
- Data Storage: 1 x 1TB or more
- RAM: 12 GB or more
- Option to connect one monitor
- DVD+/-RW Optical Drive
- Network interface: 1 x Ethernet
- Monitor: resolution of 1280x1024 pixels

Seno Iris is compatible with Windows 7 64bit only.

Standards and Regulations

Seno Iris, Review mode, meets the following requirements:

- CE marked according to Medical Device Directive (MDD) 93/42/EEC
- Conforms to DIN EN 12052 (DICOM 3.0)
- Complies with ISO 13485 Quality Management System – Medical Devices /Design and Development, Production, Installation, Distribution and Servicing of Systems for Mammography

Hardware available from GE

PC

HP Z440

- Intel® Xeon® processor
- 1 x 256 GB, 2 x 1 TB SSD (additional 1TB optional)
- 32 GB RAM
- 8 x DVD+/-RW Optical Drive
- USB Standard Keyboard
- Laser Scroll USB Mouse (6 buttons).
- Windows® 7 Professional (64 bit).

Display

Eizo** MX191 1MP Display

- 48.1 cm (19") TFT Color Monitor
- Native resolution: 1280 x 1024
- Viewing angle: 178°
- Contrast ratio: 2000:1
- Luminance: 300 Cd/m2 (typical)
- Weight: 6.2 kg (13.66 lb) (with stand); 4.4 kg (9.70 lb) (without stand)
- Power requirements: AC 100–120V, 200–240V: 50–60 Hz
- Power consumption: 41W
- Power Consumption in Save Mode: 0.8W or less.



GE Healthcare

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems. Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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Data subject to change.

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GE imagination at work

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