GE Healthcare

Seno Iris™ ◎
Connect Mode

Seno Iris can be provided in the Connect mode to support the optimized transmission of medical image data, connect DICOM compliant devices in different locations, and enable fast teleradiology transparent to the connected users. Seno Iris, Connect Mode, can also provide rule-based exam routing according to your unique workflow needs.

Seno Iris Connect Mode Capabilities

Transmitter

• Incoming image data can be simultaneously distributed to multiple DICOM compliant devices. Sophisticated routing rules can be implemented to meet unique workflow requirements.

• Images can be compressed for fast transmission.

Receiver

• Incoming image data is decompressed and forwarded to pre-defined local DICOM viewers or archives.

Image Compression

• Configurable image compression rates by internationally accepted DICOM JPEG 2000 standards increase the image transmission speed

• Supports lossless and lossy compression

• Compression rate is configurable per destination

Worklist Broker

• If needed, combines DICOM work lists from multiple sources

Communication

• DICOM Storage Service Class Provider (SCP) and Service Class User (SCU)

• DICOM Modality Worklist SCP and SCU

V-Preview

• V-Preview: Reconstructed image from tomosynthesis projections that appears as a 2D image and is an aid in navigation. (only available for SenoClaire images)

• The reconstructed V-Preview image can be stored as a separate BTO (Breast Tomosynthesis Object) DICOM object and auto-sent to another BTO destination.

• The V-Preview image can be auto-sent to another BTO capable destination.

• The V-Preview image should not be used as a stand-alone image, and the corresponding slabs or planes must also be reviewed before diagnosis. It is for navigation only and does not replace FFDM.

Worklist Server

• Assembles DICOM** worklists from various sources

• Receives and interprets DICOM Modality Performed Procedure Step (MPPS) messages to update worklists status

• Interfaces with RIS via DICOM Worklist Service Class User (SCU)

• If needed, it can automatically create reading tasks for newly arriving images

• Facilitates communication between Radiologist and Technologist via worklist task assignments

• Provides shared reading worklists for multiple readers on multiple workstations, preventing accidental double reading

• In a double reading environment, it creates tasks for first, second and consensus readings

Report Export

• If needed, transmitted to RIS via HL7

Note: Please contact a GE Healthcare representative for the list of validated interfaces.

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Quality Assurance

- Helps you comprehensively document reading tasks
- Status overview of open and finished tasks (per patient and per user)
- Performance statistics (completed tasks, reading status)

Access Control

- User and group administration
- Roaming login: Each user has access to his worklist at any Seno Iris Diagnose

Administration

- Configuration of users and groups
- Configuration of workflow through access rights
- Manual override of task distribution e.g. for vacation or replacement

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

Seno Iris is compatible with Windows 7 64bit only.

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).

Displays
Eizo** MX191 1MP Display for Patient and Report Management

(Product not intended for Mammo Diagnostic Use)

- 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.

Standards and Regulations

Seno Iris, Connect 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.

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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 than100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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