ImageGrid™ Radiology Viewer / Advanced Radiology Viewer

The 510(k)-cleared ImageGrid™ Radiology Viewer and ImageGrid™ Advanced Radiology Web Viewer provide powerful tools to any radiology practice. ImageGrid™ Radiology Viewer is ideal for viewing CR/DR and Ultrasound studies, while the ImageGrid™ Advanced Radiology Web Viewer is ideal for reading MRI and CT studies.

ImageGrid™ Advanced Radiology Viewer’s features include Hanging Protocols, Series Linking, MIP/MPR and support for up to 5 monitors. The Advanced Radiology Viewer can also be used in parallel with the ImageGrid™ Mammography Viewer as part of a single “5-Headed” Radiology / Mammography workstation consisting of Dual Head 5 MP, Dual Head 2 or 3 MP and a fifth display for worklist.

As a web-enabled application residing on the ImageGrid™ RIS/PACS appliance, the web viewers allows radiologists to view studies from any workstation on a Local Area Network, Wide Area Network or remote workstations via a Virtual Private Network connection. Both radiology viewers support multiple concurrent users and provide synchronized radiologist worklists in multi-radiologist environments.

The Radiology Viewers also enable imaging facilities to securely share medical data and images with their network of referring physicians and other remote users. By giving review access to referring physicians, imaging facilities can strengthen the relationships that are vital to the growth of their practice while improving communication and patient care.
Highlights (continued)

- Structured Report Viewing
- Import tool: Import studies and reconcile patient data prior to archiving on ImageGrid PACS
- DICOM Encapsulation to attach non-DICOM files (PDF, JPEG, TIFF, etc.)
- Ability to open local studies (Local studies referenced by a DICOMDIR file)
- Export functions:
  - DICOM to JPEG
  - DICOM to AVI
  - DICOM to MOV
  - DICOM to PDF
  - DICOM to clipboard
  - DICOMDIR
  - DICOM metadata to Excel spreadsheet
- CD/DVD Burning of studies
- Regular and DICOM printer support
- URL creation tool to grant access to studies to remote users
- Integrated reporting with or without RIS
- Barcode reader support
- Customizable mouse buttons, key shortcuts, keypad and user interfaces
- Encrypted network connections to improve data security
- Network throughput benchmarking tool
- Image compression capabilities for remote viewing
- Application makes use of 64-bit extensions if available
- Mac OS X 10.5+ support

ImageGrid™ Radiology / Mammography Workstation (“5-Headed Workstation”)

The ImageGrid™ Mammography Viewer can be used in conjunction with the ImageGrid™ Advanced Radiology Viewer as part of a single “5-Headed Radiology / Mammography Workstation” consisting of Dual Head 5 MP, Dual Head 2 or 3 MP and a fifth display for worklist. This configuration increases a radiologist’s productivity by allowing multimodality diagnostic reading from a single workstation and using a consolidated worklist.

Candelis ASTRA™

ASTRA, Candelis’ next-generation cloud services provide a wide range of robust capabilities designed to complement ImageGrid™ and Candelis’ other software products. Services include:

- Backup/Restore, Archive/Retrieve and Disaster Recovery (DR)
- Seamless sharing of complete studies
- Visualization of studies via ASTRA Lite, a browser-only interface
- Automated distribution of reports and key images to Referring Physicians
- Visualization of reports and key images using ASTRA Lite or ASTRA Mobile, an app for either the iPad or iPhone
- A freely-available software client—ASTRA Plus—providing secure services for study sharing, study visualization, routing of studies over the LAN via DICOM, routing over the WAN via ASTRA and distribution of studies into patient Microsoft HealthVault accounts
**Highlights (Advanced Viewer Only)**

- Series Linking
- Customizable Hanging Protocols
  - Intelligent Hanging Protocol matching based on parameters like modality and body part
  - Highly customizable rule-based viewing
  - Sharing of Hanging Protocols among system users
  - Multi-monitor support
- 3D Cursor
- MIP/MPR
- 3D Marker for spine labeling
- Dictation support with voice attachments
- 5-Monitor Support

Benefits of ASTRA include the elimination of CD/DVD publishing, the elimination of problematic and unsecure fax options, drastically-reduced costs for backup, archive and DR while eliminating associated administration and headaches, improved services for Referring Physicians, elimination of Referring Physician account administration.

Security was a prime consideration in the development of ASTRA services. A fundamental tenet is the absence of ‘clear’ PHI; at no time does PHI exist in an unencrypted state in ASTRA (in fact, Candelis itself does not possess the ability to decrypt customer data).

**Workflow Solutions**

ImageGrid™ workflow solutions comprise a host of optional, seamlessly-integrated components which can be quickly tailored to address customer needs and facilitate operations in any environment:

- ImageGrid™ RIS, a richly-featured, web-enabled application which can serve as the linchpin of any practice, whose capabilities include patient and resource scheduling, registration, patient charts, patient history, customizable admin reports and final report delivery
- ImageGrid Reporting, a modular component which can serve either as an adjunct to Candelis’ visualization or workflow solutions, and which provides for customizable templates, integrated voice recognition and voice-driven workflows
- Pre-fetch triggered by optional HL7 integration with an existing RIS, HIS or EMR, Modality Worklist (MWL) tracking, MWL hosting and even a thin MWL instantiation facility should a comprehensive RIS not be required
- A state-of-the-art Mammo Tracking facility
- Automated, secure and high-fidelity delivery of reports and key images to Referring Physicians via ASTRA (or fax), Candelis’ next-generation cloud services facility
- Provision for secure, automated visualization of study imagery by Referring Physicians via ASTRA Lite, a browser-only visualization tool
CT abdomen case with magnifier on

CC with CLAHE

CC without CLAHE