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Candelis Brings Advanced Information Lifecycle Management to its ImageGrid™ DICOM Server Appliance with Sony AIT Tape

Sony AIT Tape Libraries and ImageGrid ILM Software Simplify Information Lifecycle Management for High-volume Cardiology and Mammography Practices

IRVINE, Calif. – Sept. 22, 2006 – Candelis, Inc., a medical informatics company, today announced an advanced Information Lifecycle Management (ILM) solution to its ImageGrid™ 1000 and 700 encompassing the integration of the Sony LIB-81 and LIB-162 series Advanced Intelligent Tape™ (AIT) libraries with ImageGrid ILM software.

Candelis' ImageGrid is a line of fully-integrated, Digital Imaging and Communications in Medicine (DICOM) industry-standard server appliances that speed digital image access and routing, simplify image management, and provide highly reliable storage and archive capabilities.

Candelis collaborated with Sony to incorporate the unique features of the LIB-81 and LIB-162 series tape libraries, which are based on the AIT format developed by Sony, along with back-end ImageGrid ILM software developed by Candelis. In addition to providing a simplified HIPAA-compliant backup solution, the integrated software enables ImageGrid customers to take advantage of AIT's unique features, such as Remote Memory-In-Cassette (R-MIC) and an embedded radio frequency transponder, to optimize tape access and data retrieval, provide a safeguard for data, and reduce administrative overhead related to tape handling.

“Candelis has simplified image management and can deliver significant new value to customers,” said Hossein Pourmand, vice president of business development, Candelis, Inc. “Designed specifically to meet the data retention requirements of high-volume cardiology and mammography practices, the ImageGrid along with the AIT libraries and ImageGrid ILM software provide cost-effective, long-term ILM that is simple to implement and maintain without the need for additional IT resources. In addition, the built-in storage retention capability will allow customers to recover and re-utilize storage space when older studies have been permanently migrated to tape.”

“Our engineering collaboration with Candelis represents an excellent opportunity to offer ImageGrid customers the benefit of Sony’s industry-leading tape technology,” said Alan Sund, general manager for Sony Electronics’ Tape Storage Division. “The AIT tape libraries have been tested and tightly integrated with both the ImageGrid ILM software and server appliance to provide high-capacity, easy-to-maintain, reliable tape storage for medical imaging applications.”

Sony AIT Tape Libraries

The Sony LIB-81 and LIB-162 series libraries, based on the AIT format developed by Sony, offer automated tape storage solutions in a range of capacities – all within a low-profile 1U and 2U rack mountable design. The unique cartridge carousel mechanism provides the ultimate in density per cubic foot. Memory-In-Cassette (MIC) allows for fast media load and file access, providing quick restores. Write-Once, Read-Many (WORM) functionality increases data security by safeguarding against overwriting, erasure and alteration of data. Additionally, the libraries offer high reliability with a Mean Time Before Failure of greater than 300,000 Power On Hours (100 percent duty cycle) and greater than 1,000,000 cycles Mean Cycle Before Failure, which can provide years of trouble-free operation.

ImageGrid: Fully-integrated and Optimized for DICOM Storage and Routing

The ImageGrid product line enables imaging centers, clinics and hospitals to efficiently meet the patient record retention requirements of the Health Insurance Portability and Accountability Act (HIPAA) by using an automated, rule-based system, secure routing of DICOM industry-standard images, and advanced replication features. In addition, the ImageGrid’s internal database, appliance operating system, TCP/IP stack, disk I/O and custom DICOM engine are optimized for performance, and provide retrieval and routing speeds exceeding those of high-end Picture Archiving System (PACS) solutions. Embedded PACS capability also replaces complex server and software configurations, eliminating the need for specialized system administration skills and training.

About Candelis, Inc.

Based in Irvine, Calif., Candelis is a medical informatics company, which develops, manufactures and markets DICOM storage server appliances and PACS for the archiving, management and routing of digital medical images. The ImageGrid™ product line has been designed specifically for imaging centers, clinics, regional hospitals and large hospital departments, and provides archiving capacities ranging from 1 terabyte (TB) to over 100 TB capable of receiving images directly from any DICOM modality.

For more information, please visit www.candelis.com. For additional information about Sony storage products visit Sony’s Web sites at www.aittape.com or www.storagebysony.com.

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