

Integrity[®]

Medical Image Importer



CODONICS

Defining Image Distribution

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Overview

Integrity is a powerful, easy-to-use solution to read, reconcile and store medical studies from a disc into PACS, or allows DICOM images to be stored directly to Integrity from any network device. Using rule-based search capabilities to quickly reconcile external studies with the facility's Modality Worklist (MWL) and local PACS, Integrity automatically performs multiple searches to match study demographics, even when patient names are represented in different character sets.

Its web-based interface provides for multi-user access yet assures simplicity and security. Separating disc reading from reconciliation, the main system can be located where patients arrive with discs to be imported while reconciliation and storing to PACS, or alternate DICOM destinations, can occur at any time, at any network computer with a web browser.

Features / Benefits

- Extremely compact, network-based device that replaces the need for bulky PCs to import images
- Protects network security by providing built-in anti-virus scan of all imported studies
- Complete audit logging of all studies imported, reconciled and stored to PACS
- Reconciles patient data with facility's own Modality Worklist to ensure accuracy with other hospital/site information systems
- Stores up to ten destinations including the PACS and local archive using DICOM Store
- Interactive user interface allows users to verify reconciled information is correct and directly edit the study attributes if required
- Supports importing and storing compressed studies
- Provides capability to preview imported images before reconciling and storing a study
- Compliant with the IHE Portable Data for Imaging (PDI) and Import Reconciliation Workflow (IRWF) integration profiles
- Integrity uses an intuitive, web based interface

Specifications

User Interface:	Remote web browser access
Import Formats:	DICOM 3.0, IHE PDI, ACR NEMA, older DICOM image files
Processor:	Intel [®] Pentium [®] Dual-Core
Memory:	2 GB
Hard Drive:	80 GB
Search Rules:	Configurable
Store Destinations:	Configurable (10 maximum)
Anti Virus:	Factory installed, alternate configurations optional
Power:	Universal Input: 100-240VAC, 50/60 Hz, 300VA (rated power)
Dimensions:	6.49" (16.5 cm) W, 6.49" (16.5 cm) D, 1.96" (5 cm) H
Weight:	2.41 lbs. (1.46 kg.)
Regulatory:	Full medical device compliance including Class 1 FDA and MDD CE, GMP/QSR, ISO13485: 2003, IT level 60950-1 Safety and EMC/EMI (55022(B) & 61000)



Study Screen

Patient	Study Description	Modality	Study Date	DOB (Sex)	Status	Actions
AORTA, ABIGAIL	AORTIC OCCLUSION	CT (2) SC (1)...	9/5/08	9/24/32 (F)	SP	[Search]
SHACKLE, JAMES	BRAIN	DR (2)	9/5/08	9/21/74 (M)	Ready	[Search]
SOCKS, MARY	LUNG	SR (2)	9/5/08	9/11/54 (F)	Ready	[Search]
IHM, JAMES	SPLEEN	MR (2)	9/5/08	9/6/85 (M)	Ready	[Search]
YOTTER, MARY	LUNG	VF (2)	9/5/08	9/11/54 (F)	Ready	[Search]
TETLEY, JAMES	PANCREAS	TG (2)	9/5/08	4/15/83 (M)	Ready	[Search]

Reconciliation Screen

Original Data	Search Result Data	Updated Data
Mary^Yotter	Mary^Yotter	Patient Name: Mary^Yotter
8374	121	Patient ID: 121
19540911	19540911	Patient DOB: 19540911
F	F	Patient Sex: F
504998		Study ID: 504998
20080905		Study Date: 20080905
504998	1067469	Accession Number: 1067469
Lung		Study Description: Lung
Dr. Jason Wright		Referring Physician: Dr. Jason Wright



Call Codonics today at **800-444-1198** or visit www.codonics.com for more information.

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