

Medical archive recording system



Get the most efficient, reliable, integrated tool for your CD/DVD production workflow. Provide your referring practitioners with CDs including an easy-to-use and comprehensive viewer.

MARS is especially designed for distributing patient CDs and archiving your production on DVDs automatically.

The report is associated to images on the CD automatically.

Key images and associated reports are displayed automatically when the DICOM LiteBox viewer recorded on each CD starts.

Control CD/DVD production entirely with an intuitive user interface that enables to monitor each step of the process, cancel or change job priority, or duplicate CDs/DVDs.

Keep track of CD/DVD production through a database and quickly find archived media ID, retrieve its contents and browse the study.

MARS is a multimodality solution. It supports formats such as multiframe image sequences used in angiography (XA) and ultrasound (US), and also motion video (endoscopy, operating room camera, ophthalmology, dermatology, anatomopathology...).

A database enables to access a detailed list of recorded studies and to find the archived media reference quickly.

Technical Specifications

MARS 15d/20d PC

Processor: Intel Pentium D 945 (Dual Core, 3.40GHz, 800MHz)

Operating system: Microsoft Windows XP Pro, SP2

Network card for DICOM connectivity

MARS 15d System

Combined CD/DVD recorder (16X/48X)

Input bin capacity: 2x25 CDs/DVDs

Printer: 4,800dpi

Dimensions: 17.25" W x 7.25" H x 16" D
(438 x 184 x 406mm)

Weight: 18.7lbs (8.5Kg)

MARS 20d System

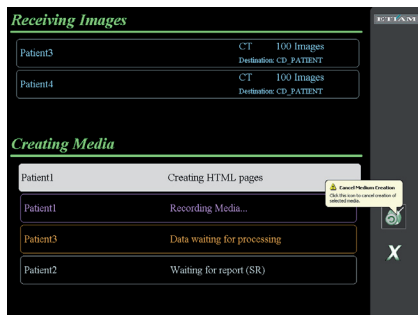
2 combined CD/DVD recorders (16X/48X)

Input bin capacity: 2x50 CDs/DVDs

Printer: 4,800dpi

Dimensions: 17.8" W x 11" H x 17.5" D
(452 x 279 x 445mm)

Weight: 26.5lbs (12Kg)



Intuitive User Interface.



Custom Label, Clear and Appealing.

Overview and Main Features

From any DICOM node, simply send studies to a specific destination on the MARS system for automated CD/DVD production based on the scripted sequence.

Ability to group a single patient images originating from various sources on the same CD/DVD (e.g. scanner native images and 3D reconstructions).

Handling of large studies by using lossless or lossy compression, or spreading a single study over multiple discs.

Routing of studies after CD/DVD recording.

Association of radiology reports with images: DICOM and non-DICOM.

Automated archiving on DVD.

A multilingual universal viewer for Windows and MAC OS X included on each CD or DVD for easy distribution.

Supported Interfaces

ETIAM warrants that CDs/DVDs created by MARS may be used by all DICOM-compliant workstations.

MARS manages new value-added DICOM objects:

- DICOM Structured Reports (SR)
- Key Object Selection Document (*Key Image Notes*) listing the significant images in a study
- DICOM MPEG (video sequences)

Certification/Marking

FDA class 1/CE Class 1 Medical Device

IHE Statements: Portable Data for Imaging (PDI)

Two Versions to Suit Your Production

MARS 15d is dedicated to small to medium productions (CR, US, NM...) of up to 50 media per day.

Options:

- Key image filtering and printing
- Web interface
- Study routing script
- Key image note management and printing script
- Association of the report (DOC, TXT, PDF) with the study

MARS 20d is dedicated to medium to large productions (CT, PET, MR...) of up to 200 media per day.

All MARS 15d options are included in the 20d version.

Benefits

Ability to customize the workflow for complete flexibility.

An intuitive and powerful viewer included on all produced media.

The recording solution may be seen as several destinations to handle multiple behaviors.

Ability to record several studies to a single disc, or to spread a single study over more than one disc.

Compression capabilities for space optimization.

Reduces cost and increases productivity compared to radiology films.

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