

# doremi

Technology Leadership  
for Digital Cinema

# IMS1000

## Integrated Media Server

PREFERRED PRODUCT

DIGITAL CINEMA  
THEATERS  
WORLDWIDE

### Key Features:

- + Lower cost of ownership (maintenance and power consumption)
- + Doremi designed and manufactured
- + Single board solution (SMS and IMB on a single board)
- + Conveniently located hard drives for easy access
- + Support for local storage
- + 4K Alternative input (coming soon)
- + 3D Live (Sensio01® Live, RealD® Live)
- + RealD ghost busting®
- + Dolby® 3D
- + Auro 3D audio® (coming soon)
- + Web based user interface
- + Support for access products (Fidelio & Captiview)
- + Ingest through eSata, USB, or ethernet
- + Live (Ethernet stream, mpeg2, H264, VC1 up to 50 Mbits/s)
- + Scaler and deinterlacer included
- + GPIOs (4in, 6out)
- + Specifically designed to meet the working environment inside DLP® projectors.

The Doremi IMS1000 is a state-of-the art, DCI compliant integrated media server that manages and delivers digital cinema experiences with efficiency and flexibility. It includes digital storage, server capabilities and a secured DCI image media block in a compact form that enables it to fit inside series 2 DLP® projectors. The IMS is controlled by ethernet interface using web based version of Cinelister, TMS2000 or third party TMS supporting Doremi servers. DCP ingest can be done through USB, eSATA, or ethernet. The IMS1000 supports highest jpeg2000 decoding capabilities, including 4K and 3D HFR and accepts alternative content including 4K HDMI® inputs, dual 3G SDI and Live stream.



# IMS1000

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## IOs

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- ▶ 2x Gigabit Ethernet (RJ45)
- ▶ 1x eSATA 3Gbit/s
- ▶ 3x USB 2.0
- ▶ 1x HDMI® (up to 4K) input
- ▶ 2x 3GSDI bidirectional (input and output)
- ▶ 8x AES pair (using 2x RJ45)
- ▶ 4x GPI ports (1x RJ45)
- ▶ 6x GPO ports (1x RJ45)
- ▶ 3x removable 2.5" HDDs

## DCI DCP PLAYBACK

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- ▶ Support 2K playback up to 120fps
- ▶ Support 4K playback up to 30fps (license required) (60 fps capable)
- ▶ Bitrates up to 500 Mbits/s
- ▶ DCI compliant
- ▶ 12Bits 4:4:4 XYZ' for all formats
- ▶ Support MPEG2 MXF interop
- ▶ Subtitles engine

## MPEG2/H264/VC1

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- ▶ 720p 60, 1080i 60 and 1080p 60 support
- ▶ Bitrates up to 50MBits/s
- ▶ 4:2:0 8bits

## VIDEO PROCESSING FEATURES

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- ▶ Color conversion (supporting YCbCr601, YCbCr709, RGB rec709, XYZ' and YCxCz' color spaces)
- ▶ Deinterlacing
- ▶ Scaler (upscale up to 4K)

## CONTROL

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- ▶ Web based user interface
- ▶ Doremi's TMS
- ▶ Support for third party TMS and NOC

## SECURITY

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- ▶ Doremi Forensic Watermarking for audio and video
- ▶ FIPS 140-2 Level 3 Security certified

## AUDIO

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- ▶ 16 channels, AES-EBU, 24bits up to 96KHz

## POWER CONSUMPTION

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- ▶ <70W

## STORAGE

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- ▶ 3x2.5" 1TB hard drives
- ▶ 2TB of Raid5 storage

Note: The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LCC in the United States and other countries.

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