



Dolby® Integrated Media Server IMS2000



SIMPLY A BETTER INVESTMENT

The Dolby® Integrated Media Server IMS2000 is a single-board solution that provides high uptime to keep the show running and protect revenue streams. The IMS2000 offers cost-effective reliability based on a server platform proven on over 90,000 screens worldwide, plus the flexibility you need for today's cinemas. The IMS2000 supports SMPTE and Interop DCPs. It continues the trend of providing on-board RAID storage, server control, and a DCI-compliant media block in a compact form, enabling it to fit in a DLP® Series 2 projector. User control is via web-based UI allowing access from anywhere on the theatre network.

DOLBY INTEGRATED MEDIA SERVER IMS2000 FEATURES

- Low cost of ownership (maintenance and power consumption)
- Up to 500 Mbps DCI-compliant digital cinema packages (DCP) playback—Interop and SMPTE packages
- Web-based UI allows easy access from anywhere on the theatre network
- Configuration console available on Mini DisplayPort output (no UI)
- Single-board design
- 2 TB of internal storage with RAID 5 protection and convenient front-panel access for hard drive replacement
- Optional 4 TB of total storage with SSD upgrade
- Hot-swappable drives
- External NAS support for additional storage*
- Dolby Atmos® audio support with CP850 Cinema Audio Processor
- Support for accessibility products including Dolby Fidelio and CaptiView or other SMPTE ST430-10 devices
- RealD® ghost busting
- Ingest through eSATA, USB 3.0, or Ethernet (up to 500 Mbps)
- 4 × GPI
- 6 × GPO
- Linear timecode (LTC) output option (configurable at installation)
- Live-event Ethernet stream support**
- Internal scaling and deinterlacing up to 4K
- JPEG 2000, MPEG-2, H.264, and VC-1 decoding
- Dual-projector support
- DCI-compliant
- Dolby Pngest
- Play while ingest

* Contact customer support for list of supported NAS devices and models.

** Optional StreamIt software license required.



Dolby Integrated Media Server IMS2000

I/Os

- 3 × GB Ethernet (1000Base-T/RJ-45)
- 1 × eSATA 3 Gbps
- 1 × USB 2.0
- 2 × USB 3.0
- 1 × HDMI®
- 2 × 3G HD-SDI bidirectional (input and output)
- 8 × AES audio pairs (2 × RJ-45)
- 4 × GPI (1 × RJ-45)
- 6 × GPO (1 × RJ-45)
- LTC output option (configurable at installation)
- 3 × hot-swappable removable 2.5" HDDs
- Mini DisplayPort console out (no UI)

DCP PLAYBACK

- 2K up to 120 fps
- 4K up to 30 fps
- Bit rates up to 500 Mbps
- 12-bit 4:4:4 XYZ for all formats
- Support of SMPTE and INTEROP formats
- Internal subtitle engine, or integrate with a projector for CineCanvas subtitle rendering
- DCI-compliant
- JPEG2000, MPEG2 and H.264 Playback

MPEG-2/H.264/VC-1

- 720p 60, 1080i 60, and 1080p 60
- Bit rates up to 50 Mbps
- 4:2:0 8-bit color

VIDEO PROCESSING FEATURES

- Color-space conversion—supports YCbCr601, YCbCr709, REC 709, XYZ, YCxCz
- Deinterlacing
- Scaler up to 4K

CONTROL

- Web-based user interface
- Mini DisplayPort console out
- Third-party TMS and NOC systems
- API documentation available on request

SECURITY

- DCI-compliant forensic watermarking
- FIPS 140-2 (Level 3 security certified)

AUDIO

- 16 channels, AES-EBU, 24 bits up to 96 kHz

POWER CONSUMPTION

- <70 W

STORAGE

- Internal—3 × 2.5" 1 TB hard disk drives (RAID 5 Configuration)
- Internal—3 × 2.5" 2TB Solid State Drives (RAID 5 Configuration)
- IMS + Additional Storage NAS - (This option combines IMS internal storage with external NAS storage)

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Specifications are subject to change without notice.



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