



Dolby® Integrated Media Server IMS3000



IMAGE AND AUDIO SERVER IN ONE

An innovative imaging server and audio processor in one, the new Dolby® Integrated Media Server IMS3000 delivers reliability and enables you to show movies with superior sound. The Dolby IMS3000 increases your purchasing power compared to many other solutions. And you have flexibility with sound: start with Dolby Audio™ 5.1 or 7.1 sound now, and unlock the power of Dolby Atmos® later. The Dolby IMS3000's unified UI and simplified design make setup and operation more convenient and cost-effective, helping you deliver a cinema experience that audiences will love.

DOLBY INTEGRATED MEDIA SERVER IM3000 FEATURES

- Low cost of ownership (maintenance, power consumption, simplified system design)
- Playback for SMPTE and INTEROP digital cinema packages (DCP) at bit rates up to 500 Mbps
- Web-based UI allows easy access from anywhere on the theatre network
- Single-board design
- 2 TB of internal storage with RAID 5 protection and convenient front-panel access for hard drive replacement
- Optional 4TB of total storage with SSD upgrade
- Hot-swappable drives
- External NAS support for additional storage*
- Complete integrated audio processor with optional enablement for playback with full Dolby Atmos®
- Support for accessibility products including Dolby Fidelio and CaptiView or other SMPTE ST430-10 devices
- RealID® ghost busting (license required)
- Ingest through eSATA, USB 3.0, or Ethernet (up to 500 Mbps)
- 4 × GPI
- 6 × GPO
- Linear timecode (LTC) output
- Live-event Ethernet stream support
- Internal scaling and de-interlacing up to 4K
- JPEG 2000, MPEG-2, H.264 decoding
- DCI-compliant
- Dolby Pngest
- Play while ingest

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



Dolby Integrated Media Server IMS3000

I/Os

- 3 × GB Ethernet (1000Base-T/RJ-45)
- 1 × eSATA 3 Gbps
- 1 × USB 2.0
- 2 × USB 3.0
- 1 × HDMI®
- 8 × AES-3 audio pairs (2 × RJ-45)
- 2 × AES-3 Auxiliary Outputs
- 2 × AES-3 Auxiliary Inputs
- 1 × Dolby Atmos Connect output with loopback (AES67 Protocol Only)
- 4 × GPI (1 × RJ-45)
- 6 × GPO (1 × RJ-45)
- LTC output
- 3 × hot-swappable removable 2.5" HDDs
- Mini DisplayPort console out (no UI)
- Dolby Remote Fader Port for use with optional CAT868

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

- 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

*Rendering of select Dolby Atmos titles to Dolby Surround 7.1 is allowed at the discretion of the content owners and enabled by a flag in the Dolby Atmos bitstream

The English version of this document is the only legally binding version. Translated versions are not legally binding and are for convenience only.

Specifications are subject to change without notice.

This documentation applies to Model CID1002



Dolby Laboratories, Inc. 1275 Market Street, San Francisco, CA 94103-1410 USA T +1-415-558-0200 dolby.com

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AUDIO PROCESSING FEATURES

- Dolby Surround 7.1 and 5.1 playback
- Dolby Atmos rendering to Dolby Surround 7.1* on base configuration units
- Dolby Atmos rendering up to 64 speakers with Full Atmos enablement
- Dolby Digital Plus
- Dolby Digital (AC-3)
- 44.1 kHz, 48 kHz 96 kHz support at 16, 20 and 24 bit
- AES67
- Alternative Content Surround Processing
- Raised Cosine equalization, 1/12th octave resolution
- Internal crossover supports up to 4-way loudspeakers

CONTROL

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

SECURITY

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

POWER CONSUMPTION

- <70 W

STORAGE

- Internal—3 × 2.5" 1 TB hard disk drives (RAID 5 configuration)
Or Internal—3 × 2.5" 2TB Solid State Drives (RAID Configuration)
- External—NAS