Dolby® Integrated Media Server IMS3000

A FLEXIBLE, RELIABLE IMAGE AND AUDIO SERVER IN ONE.

Save space, money, and deliver an unforgettable experience for your guests.

The innovative Dolby® Integrated Media Server IMS3000 combines the strength of Dolby's audio processing and imaging server in one unit. And it delivers superior sound with flexibility — start with Dolby Audio™ 5.1 or 7.1 sound now, and unlock the power of Dolby Atmos® whenever you're ready to upgrade.

With flexible storage options, and a new robust feature set, the IMS3000 is today's server of choice.

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
  Access via Bluetooth from your mobile device. Get the App – Cinema Server Control on Google Play and Apple Store - Requires separate purchase of USB Bluetooth adapter. Please contact Dolby Support for approved models.
- Single-board design
- 2 TB of internal storage with RAID 5 protection and convenient front-panel access for hard drive replacement
- Optional 10.5 TB of total storage with External NAS upgrade
- Hot-swappable drives
- Scan network for content to ingest
- Drag-and drop scheduler
- Drag-and-drop playlist builder
- 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
- Dolby and RealD® ghost busting (user selectable)
- 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
- 4K 60 fps (On select NEC projectors)
- DCI-compliant
- Play from Shipping Drive
- HDMI 2.0 4K 60fps with HDCP 2.2
- HDMI Rec.2020 input to P3 color gamut conversion
- HDMI 4K downscaling to 2K
- Dolby Pngest
- Play while ingest
- Ingest while IMS3000 is powered down**

* Contact customer support for list of supported NAS devices and models.
** This feature is only available with the NAS-only storage option (IMS3-B-EN, IMS3-C-EN, IMS3-N-EN SKUs)

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
- Dual 3G SDI Inputs
- 1 × HDMI® 1 (Up to 4K 60 fps)
- 8 × AES-3 audio pairs (2 × RJ-45)
- 2 x AES-3 Auxiliary Outputs
- 2 x AES-3 Auxiliary Inputs
- 1 x 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 (60 fps on select NEC projectors)
- 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

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)
- TrueHD Audio – Support Consumer Atmos on HDMI Input
- 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
- Bluetooth support for control from a mobile device (Android and iOS)**
- Mini DisplayPort console out (debug console only)
- 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)
- Internal—3 x 2.5" 2TB Solid State Drives (RAID 5 Configuration)
- IMS3000 + Main Storage NAS - 4 x 3.5" 4TB hard disk drives (RAID 5 configuration). No internal drives are used in the IMS3000 and the NAS can ingest when the IMS3000 is off.
- IMS + Additional Storage NAS - (This option uses the IMS internal storage and an external storage NAS but does not support offline ingest to the NAS).

*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
**Contact support for list of qualified bluetooth dongle

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