



Dolby® Storage Server and Integrated Media Block—ShowVault/IMB



The Dolby® ShowVault/IMB solution includes several advanced features, such as dual 3G HD-SDI inputs, HDMI® 3D input with HDCP, 4K playback support, and scaling capabilities to 2K or 4K resolutions.

The Dolby ShowVault is a dedicated storage server capable of playing back 2D, 3D, and high-frame-rate (HFR) SMPTE and Interop DCPs, and it has been specifically developed to interface with the Dolby Integrated Media Block (IMB). The Dolby ShowVault loads digital content and dispenses files electronically to the IMB via an external PCI Express cable.

The Dolby IMB also supports deinterlacing of 1080i inputs and automatically converts incoming formats to avoid switching formats on the projector. All video inputs utilize a single audio output via RJ-45 for simple cabling to your audio processor of choice.

DOLBY IMB KEY FEATURES

- HDMI or HD-SDI (single or dual) inputs
- Scales supported video resolutions up to 4K
- Deinterlacing support (1080i)
- Automatic color-space conversions
- Support for accessibility products including Dolby Fidelio and CaptiView or other SMPTE ST430-10 devices
- Live-event Ethernet stream support**

*Refer to user manual for a list of supported video resolutions.

** Optional StreamIt software license required.



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IMB

- HDMI input with HDCP support
- Dual 3G HD-SDI input
- Eight audio pairs (through two RJ-45 connectors)
- Eight general purpose outputs (RJ-45)
- Four general purpose inputs
- PCIe connection and gigabit Ethernet connection to Dolby ShowVault server
- Output resolution up to 4096 × 2160 in 2D and 2048 × 1080 in 3D
- HFR 3D 48 fps
- Dual-projector support
- LTC Output

SHOWVAULT INTERFACE

- External PCI Express (for IMB communication)
- Gigabit Ethernet for media transfer
- Gigabit Ethernet for management control and subtitling
- RS-422 serial control port
- USB 2.0
- CRU data port

SHOWVAULT STORAGE

- Up to 12 TB of RAID 5 storage

SHOWVAULT POWER

- Dual-redundant power supply
- 100–240 VAC; 50–60 Hz (300 W max)

SHOWVAULT DIMENSIONS

- 4-U: 48 × 28 × 19 cm (19" × 11" × 7")

FORMATS: ENCRYPTED/NONENCRYPTED

- JPEG 2000
- MPEG-2
- H.264

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Specifications are subject to change without notice.



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