

The dual-channel SDI MXF Ingest Gateway



The ideal gateway for MXF master production and archive migration workflows

OpenCubeSD v2.2 is a powerful turnkey system for SD streams capture in uncompressed or in MXF file format and an ideal solution for video tape archiving, live stream recording and VTR replacement projects.

OpenCubeSD v2.2 creates interoperable and SMPTE-compliant MXF files independently of their compression scheme, thereby ensuring seamless exchanges with third party systems, durable asset conservation and cost-effective tapeless production workflows.

OpenCubeSD v2.2 can be upgraded to HD!

Advantages:

- ▶ Ensure your media preservation with MXF
- ▶ Encode in Jpeg2K
- ▶ Use OpenCubeSD as a Virtual VTR
- ▶ Perform play while recording feature

New with version 2.2

- Multi-channel capabilities
- Mpeg2 Long-Gop encoding
- Jpeg2K encoding
- SOAP Web Services API

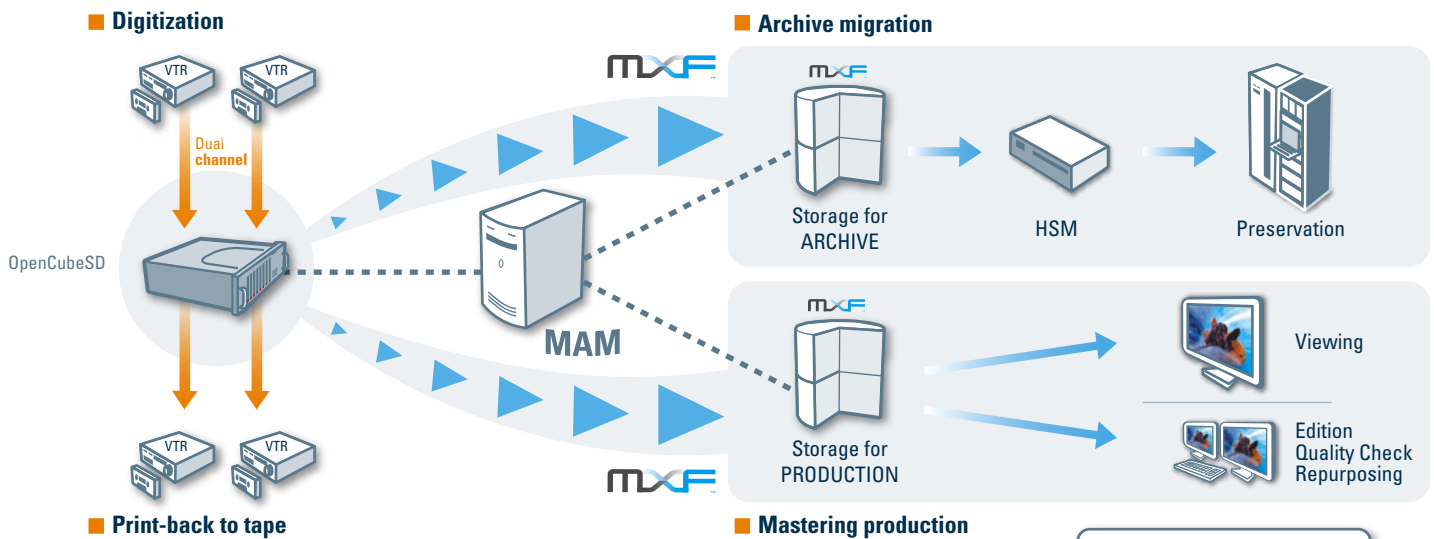




OpenCubeSD

v2.2

"Most of the broadcast industry leaders have adopted MXF technology for archive migration."



The dual channel server for archive migration

OpenCubeSD is a cost-effective dual independent SDI channel server for rationalizing media digitization. It captures multi-SDI streams in uncompressed format or wrapped in MXF with Jpeg2K, IMX, Mpeg2 encoding.

Its open architecture makes it a powerful system that can be adapted to existing asset management architectures. The server can be controlled in various ways:

- Using the SOAP Web Services API,
- With RS422 VTR emulation,
- Or via an easy-to-use GUI with batch EDL ingest capabilities.

The new dual independent channels offer a high level of flexibility, as they enable you to play content during the ingest process. You can then view and check the files on the VGA or SDI screen.

OpenCubeSD is the perfect tool for streamlining archive migration and ensuring top-quality media asset preservation with the metadata-enabled MXF file format.

The mastering gateway for production workflow

The mastering of media content creation is critical for optimizing exchanges in the new tapeless workflows. **OpenCubeSD** is a robust and reliable mastering gateway that provides genuine MXF interoperability with different types of equipment. It natively supports XDCam and P2 content and offers advanced metadata management for preserving Timecodes and editorial information.

OpenCubeSD acts as a virtual VTR for digitizing all types of SDI content. Its scalability enables it to connect to existing IT infrastructures, whether SAN or NAS. Ingested clips can be directly dropped on a distant storage without local copy, and print back to tape can be performed via the network.

OpenCubeSD is delivered with an edit-oriented GUI for simple and straightforward media manipulation: browsing, checking, logging, ingest batching, consolidating or repurposing.

Key features

Video I/O

- SDI Input/Output
- Dual channel SDI [*]
- 8 audio channels embedded in SDI
- 8 XLR AES/EBU
- DVI Output
- LTC Timecode Input/Output
- Slow Pal 625/24i [*]

Supported formats

- Uncompressed: Raw, Yuv, Rgb, Bmp, Tga, Sgi, Dpx, Cin, Wav, Bwf, Aiff
- YUV, RGB, 8, 10 bits
- MXF Op1a D10 – IMX 30 – 40 – 50 Mbits [*]
- MXF Op1a DV25 – 50 Mbits [*]
- MXF Op-Atom DVCPro 25 et 50 Mbits (only playback) [*]
- MXF Jpeg2K [*]
- MXF DMS-1 Descriptive Metadata (XML) [*]
- Mpeg2 MP@ML [*]
- Interop.: XDCam, P2, K2, Omneon, Avid

Application

- SOAP Web Services API
- VDCP control
- RS422 control
- Virtual VTR in record and playback modes
- Ergonomic User Interface
- Archive-migration: Bar code reader, database connection / TimeCode jump management
- Cut/Edit Timeline
- EDL Import/Export (cmx & ale)
- Batch capture from a VTR
- Upgradeable in OpenCubeHD [*]

Effects

- Split, Comparison, Windowing, Up/Down Conversion, PSNR, Gamma Correction, Difference

Hardware System architecture

- PC Rack 1U to 3U server
- Linux Operating System (2.6 Kernel)
- Gateway (without storage) or DDR (with internal storage) [Consult our Sales team]

[*] Available as an option

OpenCube Technologies SAS has significant expertise and experience in providing flexible and cost-effective MXF-format solutions, as well as MXF and HDTV-standard media content management services.

The company develops HD/SD ingest gateways and innovative advanced technology applications for streamlined workflows and for effectively managing media content lifecycles, including capture and digitization, delivery and archive, display and record, convert, re-purpose and re-use.

Information:



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