

The HD/SD MXF Server for Ingest and Print Back to Tape



The Format-agnostic Video/IT Gateway for Production and Archive Migration

OpenCubeHD/SD allows you to create 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 workflows.

Based on open technologies, **OpenCubeHD/SD** servers offer advanced network connectivity. The servers can be easily integrated into existing storage facilities, providing you with maximum flexibility and the opportunity to cut back significantly on production costs.

Directly connected to a VTR or to Live feeds in production or post-production, **OpenCubeHD/SD** efficiently ingests, reviews and prints back to tape all of your media in HD and SD formats.

Advantages:

- ▶ Mono or Dual Channel SD and HD
- ▶ Advanced MXF support (Op1a, Op1b, OpAtom, S436M...)
- ▶ Numerous compression formats: XDCamHD®, Mpeg2HD, DNxHD®, Jpeg2K, DVCPHD...

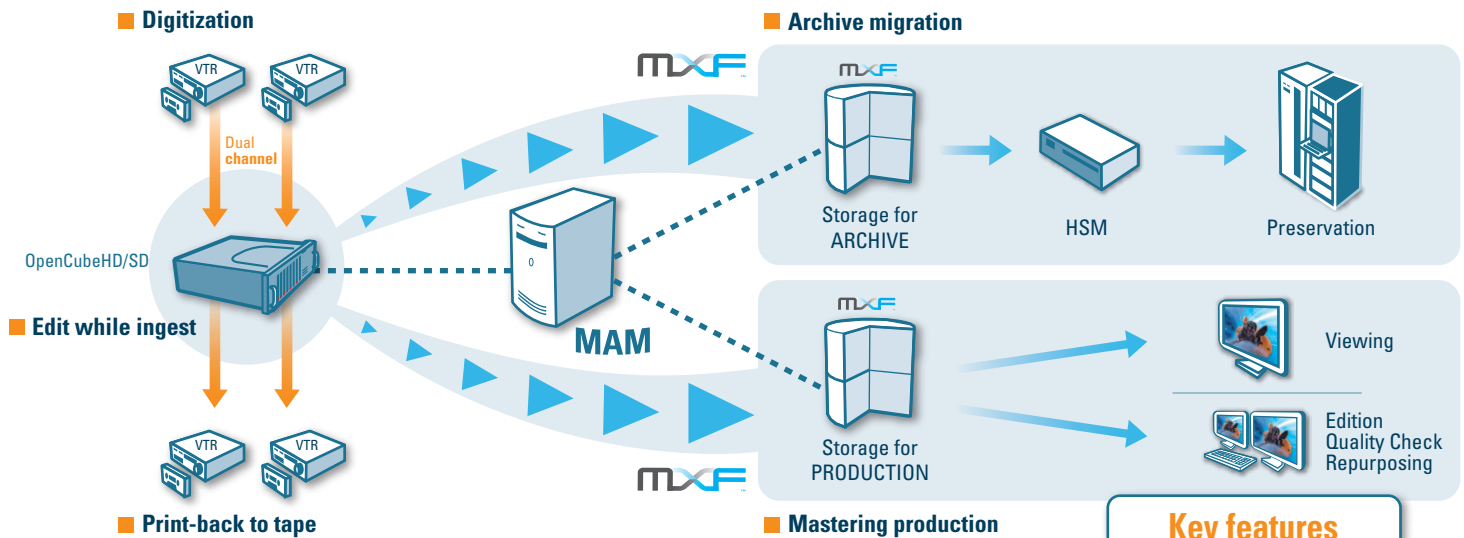
New with version 2.3

- DNxHD® support
- Faster than real time Jpeg2K encoding/decoding in HD
- Dual Channel HD
- Edit while record capabilities

"Keep on producing in SD while you migrate to HD."

OpenCubeHD/SD

v2.3



Key features

Video I/O

- SDI I/O mono or dual channel [*] (upgradable in HD)
- HDSDI I/O mono or dual channel [*] (upgradable in HD)
- Dual link HDSDI
- 8 XLR AES/EBU channels
- LTC Timecode Input/Output
- VBI and VANC Input/Output

Supported formats

HD:

- MXF Mpeg2 50 Mbits 4.2.2 (XDCamHD® compliant)
- MXF Mpeg2 HD (up to 120 Mbits/s)
- MXF VC3/DNxHD® (36 to 220 Mbits)
- MXF Jpeg2k HD
- MXF DVCPProHD 100 Mbits (P2 compliant)
- MXF AVC-I (P2 compliant) [**]

SD:

- MXF D10 – IMX 30, 40, 50 Mbits
- MXF DVCPPro 25 & 50 Mbits
- MXF DVCam 25 Mbits
- MXF Mpeg2 SD
- AVI Mpeg2 422P@ML [**]
- MXF DMS-1 Descriptive Metadata (XML)
- MXF S436M for VANC/VBI vehicle [**]
- Mpeg2 PS and TS
- DVCPPro DIF
- Uncompressed RAW and Still frames

Application

- SOAP Web services API
- VDCP Control
- RS422 Control
- VTR in Record and Playback mode
- Ergonomic User Interface
- Cut/Edit Timeline
- EDL import/export
- Batch capture from a VTR
- Barcode reader with database connection

Hardware System architecture

- PC Rack 1U to 3U server
- Linux OS (2.6 Kernel)
- RAID 0 1TB to 4TB Internal Storage
- RAID 5 FC/SATA External Storage
- SAN/NAS connection

[*] Available as an option [**] Available soon

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Ingest Your HD Material in a Variety of Formats

OpenCubeHD/SD allows you to capture video content in a number of different formats including Mpeg2HD 4.2.2, DNxHD®, DVCPProHD, and AVC-Intra, wrapped with the appropriate metadata-enabled MXF wrapper, and with native P2 and XDCamHD® support.

The server ensures the quality of your video and also makes efficient use of the MXF format for audio track management and wrapping VANC/VBI information into S436M tracks.

The system can be controlled in different ways: via an intuitive GUI, using VDCP protocol, or through a simple SOAP Web Services API. It also offers a full tape emulation using RS422 interface in playback and record.

Boost HD Production with Networked Storage

OpenCubeHD/SD is a turnkey system and a highly effective HD gateway between your video equipment and the editing environment.

Its scalability enables it to connect to your existing IT infrastructure, whether SAN or NAS. Digitized media can be directly dropped on a distant storage without local copy for confidence viewing, quality control and editing during ingest.

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

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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