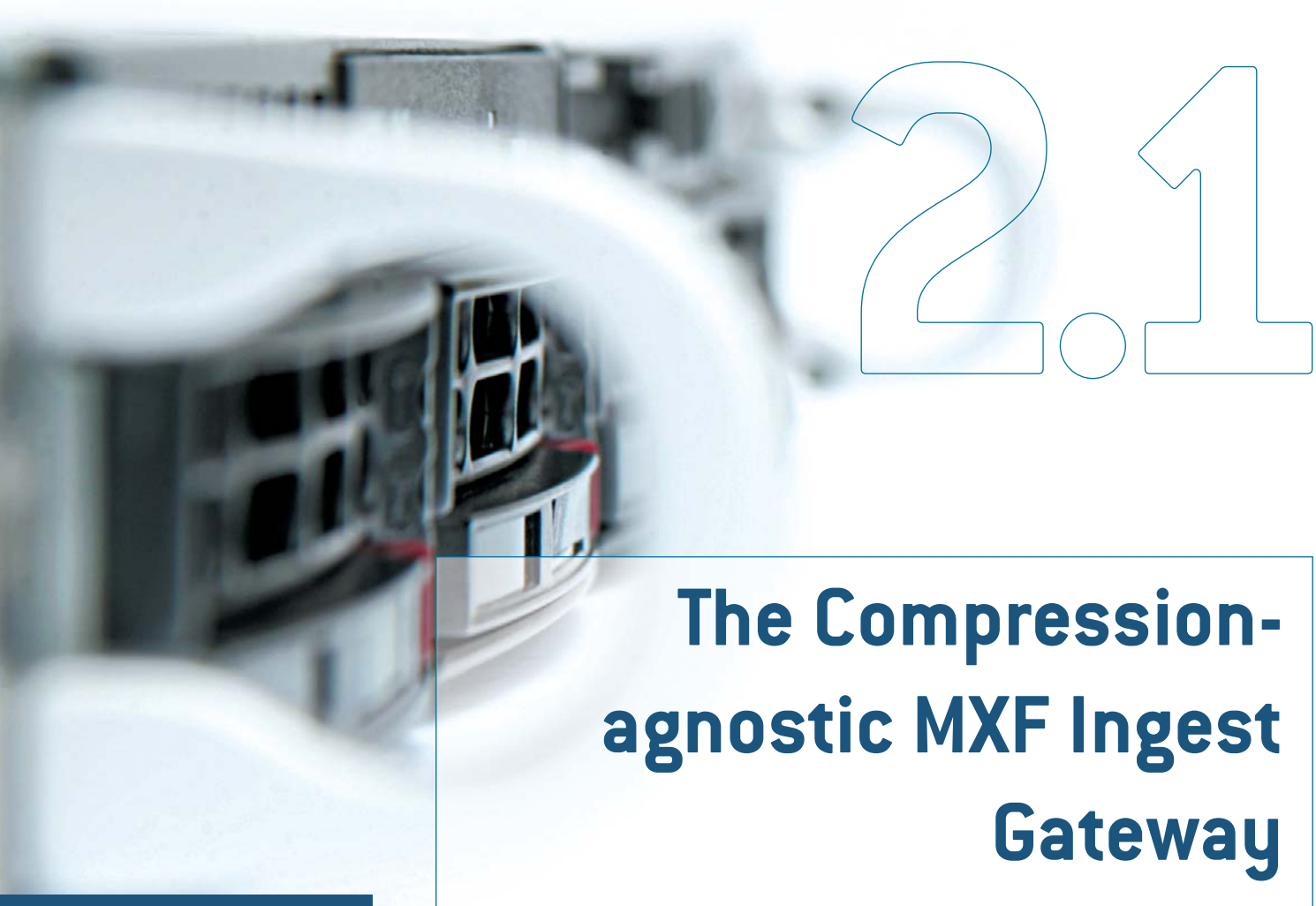
OpenCubeSD

The video/IT MXF server



2.1

The Compression-agnostic MXF Ingest Gateway

New

with version 2.1:

- VDCP control
- Mpeg2 Long-Gop encoding
- Jpeg2000 encoding
- Enhanced MXF Interop.

OpenCubeSD v2.1 is a powerful turnkey system for SD stream capture in MXF file format and the ideal solution for almost all of your video tape archiving, live stream recording and VTR replacement projects.

OpenCubeSD v2.1 creates interoperable and SMPTE-compliant MXF files independently of their compression scheme, thereby guaranteeing seamless exchanges with third party systems, durable asset conservation and cost-effective tapeless production workflows.

OpenCubeSD v2.1 can be upgraded to HD!

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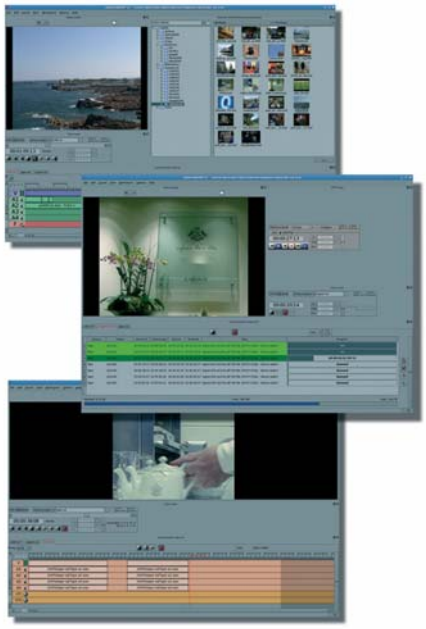


OpenCubeSD 2.1

The video/IT MXF server

Key Features:

Video I/O

- SDI Input/Output
- 8 audio channels embedded in SDI
- 8 XLR AES/EBU channels
- 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 DV 25 – 50 Mbits [*]
- MXF Op-Atom DVCPro 25 and 50 Mbits (only playback) [*]
- MXF Jpeg2K [*]
- MXF DMS-1 Descriptive Metadata (XML) [*]
- Mpeg2 MP@ML [*]
- Interop: XDCam, P2, K2, Omneon, Avid...

Application

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

Effects

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

Hardware System architecture

- PC Rack 1U to 4U Server
- Linux Operating System (2.6 Kernel)
- Gateway (without storage) or DDR (with internal storage)) *[Consult our sales team]*

[*] Available as an option.

Multiple Controls Flexibility

OpenCubeSD can be controlled via its Graphic User Interface, VDCP protocol or with RS422 VTR emulation.

The intuitive and easy-to-use User Interface offers advanced features for MXF file format media digitization, metadata adding, batch EDL ingest and archive-migration processes linked to existing databases.

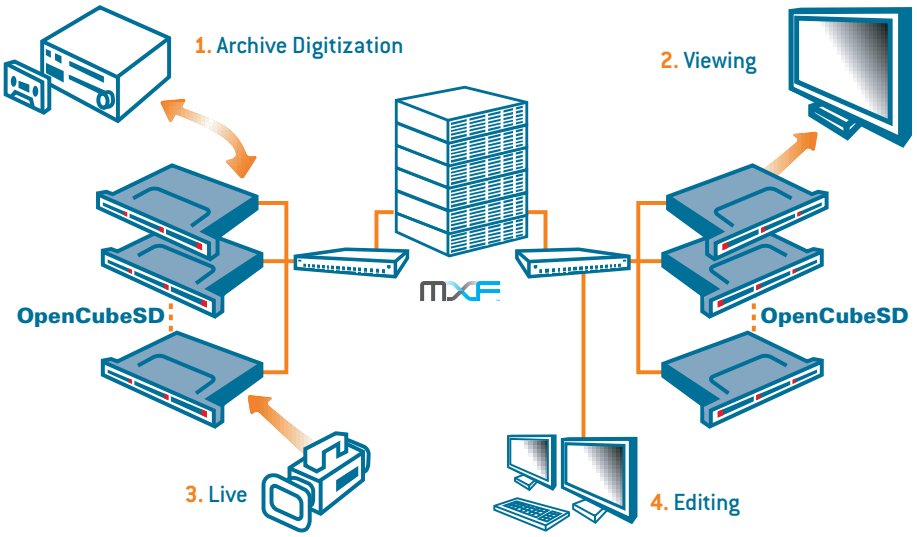
A Cut/Edit Timeline enables users to review the audio/video media and consolidate them in various formats to a single directory.

OpenCubeSD meets the standards of numerous Automation systems on the market and can be seamlessly integrated into many existing installations. It can be driven in slave mode with RS422 offering an optimal solution for VTR replacement requirements in new digital Production and Post-Production facilities.

Open and Scalable Architecture

Never before has Media Digitization been as efficient and cost-effective: users can now ingest an SDI stream, encode it in various compression schemes, generate an MXF with optional DMS-1 metadata and drop it to a local or distant storage in a single, easy process.

1. **OpenCubeSD** allows users to drive VTR for post-production and to automate video tape-based archiving.
2. Media can be reviewed during record via both SDI and DVI interfaces.
3. **OpenCubeSD** brings flexibility and scalability to live stream recording.
4. Its genuine MXF-interoperability makes it a powerful and dependable ingest gateway for Editing system exchange.



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YOUR WORKFLOW ENABLER

OpenCube Technologies offers innovative advanced technology solutions for the television and film industries. The company's know-how in combining video, software and IT enables it to build robust, high-performance applications using MXF and HDTV standards to enhance production workflows and boost company productivity.

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