

The Ideal System for Mastering DCP Creation



Boost your HD and D-Cinema Production Workflow

OpenCubeDCP is a powerful version of the Linux-based OpenCube DDR (Digital Disk Recorder) whose role is to facilitate DCP and DCP 3D production in Studios and Post houses.

OpenCubeDCP fits right in to your existing equipment infrastructure, allowing you to fully edit uncompressed HD, 2K, 4K media before moving directly on to DCI-compliant MXF file generation.

OpenCubeDCP has all the features required to master the DCP production chain, including a simple Timeline for reels creation, as well as audio and subtitle synchronization, 'XYZ' color space conversion, Jpeg2K encoding, encryption, MXF wrapping and KDM generation capabilities.

Advantages:

- ▶ **Ingest and conform uncompressed HD, 2K and 4K materials**
- ▶ **Boost 2D and 3D DCP creation**
- ▶ **Create your own KDM with the KDMake application**

New with version 2.3

- Faster than real time Jpeg2K encoding and decoding
- DCP previewing on GUI or HD-SDI
- 3D DCP creation
- Enhanced interop. with D-Cinema Theatre Servers

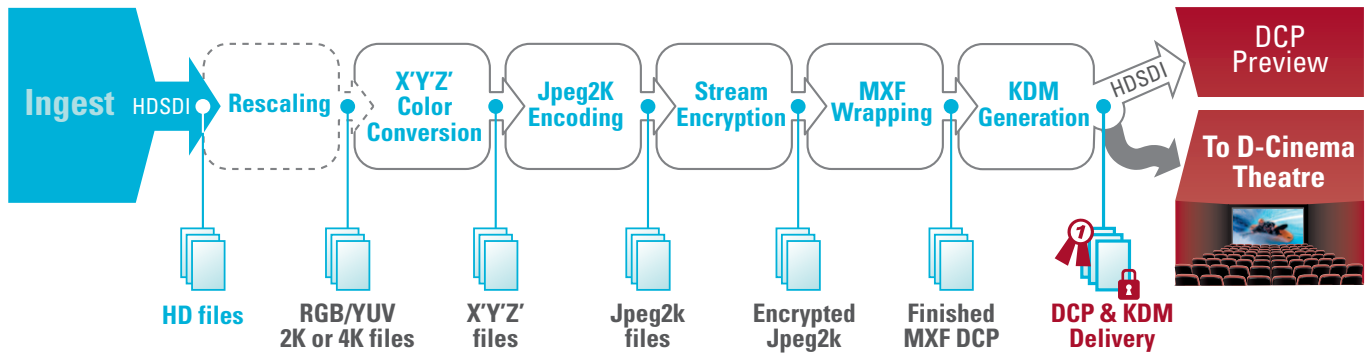


OpenCubeDCP

v2.3

" A Turnkey Solution for Creating and Checking Your DCPs"

Faster than real-time process in 2K



Manage Uncompressed Formats in Post-Production

The server can handle different types of HD, 2K and 4K uncompressed material - YUV, RGB or XYZ - in 10, 12 or 16 bits.

When enhanced with the Dual link HD-SDI option, **OpenCubeDCP** provides you with the ultimate in video I/O boxes. It acts as a virtual VTR with full tape emulation using RS422 interface in playback and record. The video streams are captured in real time through simple or dual HD-SDI links and are stored as sequential still frames (DPX, Cin) or RAW files.

OpenCubeDCP is generally used as an uncompressed Digital Disk Recorder with Raid0/5 internal storage or attached to a Digital Intermediate (DI). The network connectivity allows you to work on video frames while recording or to directly drop the media on a distant storage. The media can be viewed in real time in HD 4.2.2, HD 4.4.4, 2K and DCP.

Master DCP Creation and Generate KDM

OpenCubeDCP will save your labs both time and trouble once you start adding Digital Cinema Package production to your existing capabilities.

The system provides smart, adaptable tools for creating or modifying DCP encoded in Jpeg2K and wrapped in MXF containers and, in addition, offers genuine interoperability with D-Cinema Theatre servers.

A dedicated Timeline allows you to lay out your video, audio and subtitle materials before launching the actual production process. **OpenCubeDCP** offers numerous options for scaling your materials to DCI-compliant formats, for color space translation and for efficiently managing compression schemes, MXF wrappers and security.

Key features

Applications:

- Intuitive and ergonomic GUI
- 3D and 2D DCP creation
- CPL/EDL Import-Export
- 3D LUT loading [**]
- KDM Creation with KDMake
- DCP Previewing
- SOAP Web services API
- Batch capture from a VTR [*]
- VTR emulation in record and playback [*]
- Effects: Crop, Rescale, Up-down Conversion, Split, PSNR, Windowing, Comparison

Supported formats:

- DPX, Cin, Tiff 8, Tiff 16, TGA, BMP, SGI, RAW, RGB, YUV, Wave,
- MXF DCP Jpeg2K, 2K-4K (SMPTE)
- MXF Mpeg2 (interop)
- Interop. with D-Cinema Theatre servers

Video I/O [*]

- HD-SDI Input/Output
- Dual Link HD-SDI 4.4.4 Input/Output
- 2K/4K Viewing on DVI
- 16 audio channels embedded in SDI

Hardware System architecture:

- PC Rack 2U or 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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