

The HD DDR for seamless production workflows



Boost HD production and master your D-Cinema workflow

OpenCubeHD is an open and robust HDTV DDR that enables users to carry out cost-effective HD productions.

The system, which is entirely independent of video formats, offers genuine interoperability and a level of performance that significantly enhance HD media exchanges.

This turnkey Digital Disk Recorder is the ideal gateway for connecting your existing equipment. Its advanced features make it the perfect first and last link in your HD and D-Cinema lab chain.

Advantages:

- ▶ Enhance your ingest and conformation in SD, HD, 2K and 4K
- ▶ Manage OpenCubeHD as easy as a VTR
- ▶ Optimize your compressed and uncompressed media exchanges
- ▶ Boost your 2D DCP and 3D DCP creation processes
- ▶ Create your own KDM with the KDMake application

New with version 2.2

- Jpeg2K and Mpeg2HD encoding
- SOAP Web Services API
- 3D DCP Digital Cinema creation (DCI compliant)
- MXF Interop. with D-Cinema servers
- KDM creation for secure delivery

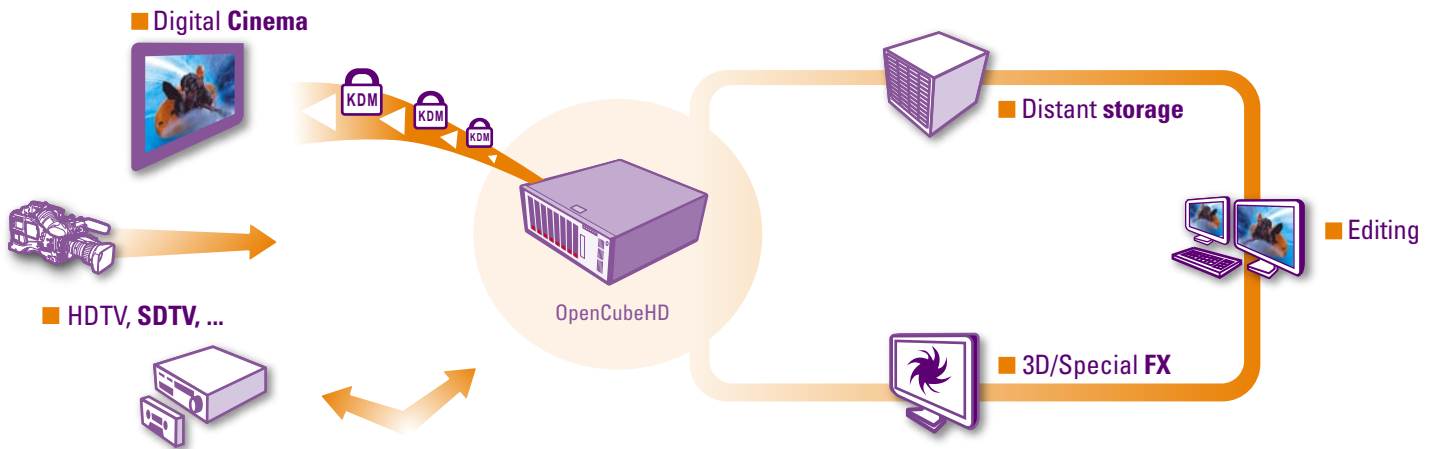




OpenCubeHD

v2.2

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Key features

Video I/O

- HD-SDI Input/Output
- Dual link HD-SDI 4.4.4 Input/Output [*]
- 2K viewing on DVI [*]
- SDI Input/Output
- Slow Pal 625/24i [*]
- 16 audio channels embedded in SDI
- 8 XLR AES/EBU [*]

Formats

- Dpx, Cin, Tiff-8, Tiff-16, Tga, Bmp, Sgi, Raw, Rgb, Bmp, Yuv, Wav, Bwf, Aiff
- MXF DCP Jpeg2K – 2K – 4K (SMPTE)
- MXF DVCPProHD [*], Interop. Mpeg2

Application

- Intuitive and ergonomic GUI
- Cut/Edit Timeline
- EDL Import/Export (cmx & ale)
- SOAP Web Services API
- RS422 and VDCP protocols
- Batch capture from a VTR
- VTR emulation in record and play back
- 3D DCP & 2D DCP D-Cinema creation [*]
- KDM creation with **KDMake**

Effects

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

Hardware System architecture

- PC Rack 3U or 4U server
- Linux Operating System (2,6 Kernel)
- XFS File System
- Raid 0 SCSI or SATA 1.4 TB to 4TB Internal Storage
- Raid 5 FC/SATA 6TB External Storage
- Digital Intermediate connection (DI)

[*] Available as an option

A server for handling compressed/uncompressed formats in post-production

OpenCubeHD is controlled via an intuitive Graphic User Interface that ensures effective media management.

A Cut/Edit Timeline module enables clips to be edited independently of individual file standards and compression schemes. EDL files facilitate the capture and conformation processes. The GUI can be launched remotely, permitting flexibility of use.

OpenCubeHD offers a complete VTR emulation in record and play back modes. The server, which can be driven with the RS422 interface, turns to a digital disk recorder that manages virtual video tapes and performs frame-accurate editing or Jog/Shuttle modes.

A DDR to master your DCP and create your own KDM

OpenCubeHD's open architecture makes it a powerful DDR for HD master ingestion as well as for HD and D-Cinema material finishing.

The latest version of **OpenCubeHD** offers the capability to create Digital Cinema Packages (DCP) encoded in Jpeg2K and wrapped in MXF containers for seamless interoperability with D-Cinema theatre servers. The new version also includes a KDM generation tool – **KDMake** – for secure file delivery.

The system is generally used as an uncompressed digital disk server with Raid 0 or Raid 5 internal storage, or as an Input/Output gateway directly attached to a Digital Intermediate (DI). Advanced stream management permits highly efficient HD media record and play back.

OpenCubeHD operates as an alternative or complement to HD VTRs. It optimizes compressed and uncompressed media exchanges in HD digital production workflows, saving you both time and trouble.

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.

*Specifications are subject to change without prior notice.
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