

OpenCubeHD

The HD DDR for seamless production workflows




2.1

Boost your HD and Digital Cinema workflows

New

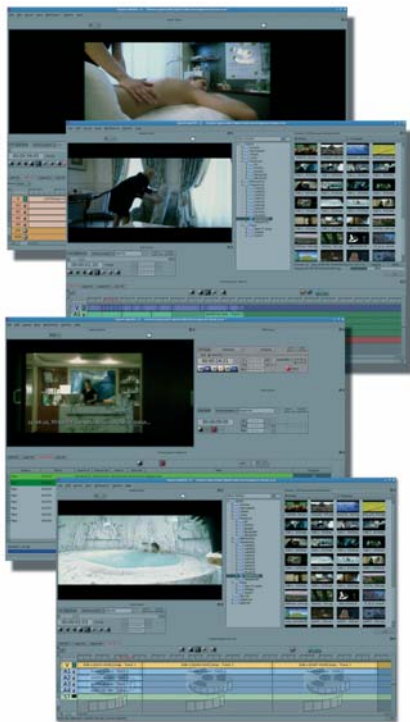
with version 2.1:

-  Jpeg2000, DVCProHD and Mpeg2 HD encoding
-  DCP Digital Cinema creation
-  MXF Interop. with D-Cinema servers
-  Enhanced features and superior performance

OpenCubeHD v2.1 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 enhances 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 production lab chain.



OpenCubeHD 2.1

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An Application with advanced functions

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 playback modes. The server, which can be driven with the RS422 interface, becomes a digital disk recorder that manages virtual video tapes and reads frame-accurate clips in play-back or Jog/Shuttle modes.

The ideal server for your Digital Cinema Labs

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

The latest version of **OpenCubeHD** offers the option of creating Digital Cinema Packages (DCP), encoded in Jpeg2K and wrapped in MXF containers, ensuring seamless interoperability with D-Cinema theatre servers.

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 playback.

OpenCubeHD serves as an alternative or complement to HD VTRs. It optimises compressed and uncompressed media exchanges in HD digital production workflows, saving you time and needless hassle.

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 channels [*]

Supported formats

- > Dpx, Cin, Tiff-8, Tiff-16, Tga, Bmp, Sgi, Raw, Rgb, Yuv, Wav, Bwf, Aiff
- > MXF DCP Jpeg2000 – 2K – 4K (SMPTE), MXF Interop Mpeg2, MXF DVCPRO HD [*]
- > YUV, RGB, X'Y'Z', 8, 10, 12, 16 bits

Application

- > Intuitive and ergonomic GUI
- > Cut/Edit Timeline
- > EDL (cmx and ale) Import/Export
- > Batch capture from a VTR
- > RS422 and VDCP protocols
- > VTR emulation in Record and Playback
- > DCP D-Cinema creation [*]
- > SOAP Web Services API

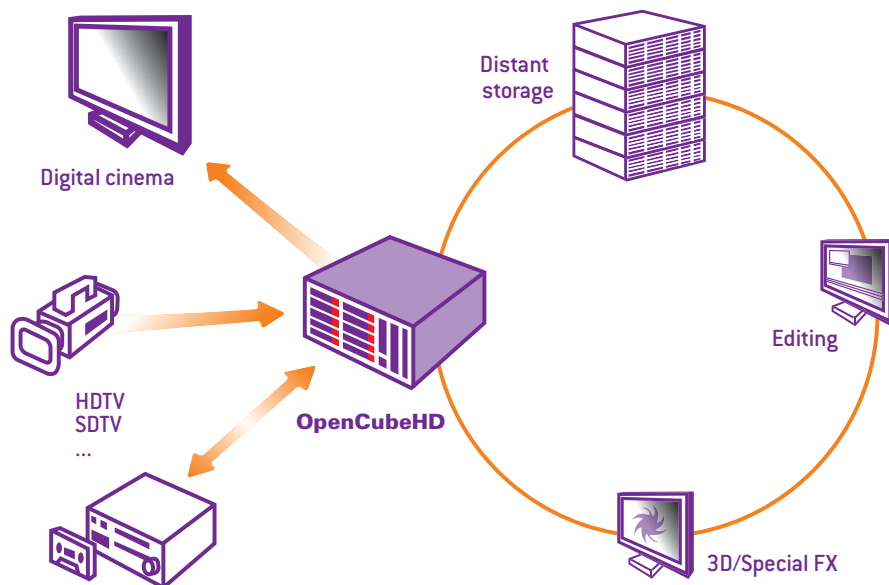
Effects

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

Hardware System architecture

- > PC Rack 4U Server
- > Linux Operating System (2.6 Kernel)
- > XFS File System
- > Raid 0 SCSI or SATA 1.4 TB to 4 TB Internal Storage
- > Raid 5 FC/SATA 6 TB External Storage
- > Digital Intermediate connection (DI)

[*] Available as an option.



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