

Speed up your HD productions

OpenCubeHD v2.0 is an open, powerful and reliable HDTV DDR which offers full modularity and helps you create cost-effective HD productions.

Directly connected to a VTR or a Camcorder during production or post-production, **OpenCubeHD** efficiently ingests, reviews and plays back all of your media in HD and SD formats.

Based on open technologies, **OpenCubeHD v2.0** servers propose advanced network connectivity. You are able to combine them easily with the existing storage thus allowing a maximum flexibility and reducing dramatically your production costs.

OpenCubeHD v2.0 is a turnkey system considered the best HD gateway between your video equipment and the editing environment. With its video and storage format agnostic qualities and its genuine interoperability with third party systems, **OpenCubeHD v2.0** boosts your HD media exchanges while avoiding to monopolize the I/O capabilities of your editing system.

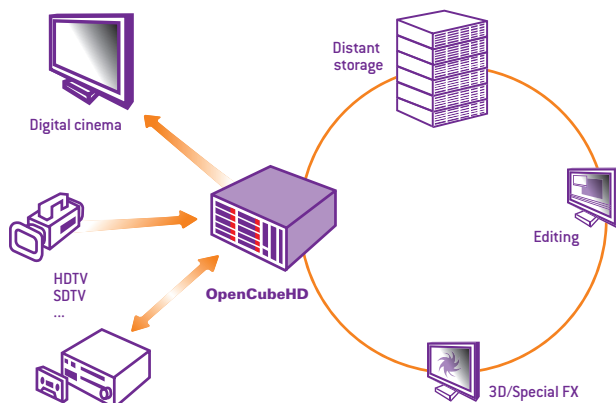
OpenCubeHD v2.0 is not only a black box but mostly an alternative tool to a VTR and is delivered with a convenient and easy-to-use User Interface. Its advanced functionalities make it the ideal first chain link to optimize your HD production.

New with version 2.0:

- > Powerful and easy to use GUI
- > Full VTR emulation in record and playback modes
- > HD and Digital Cinema uncompressed media handling in MXF
- > Better network performances



Open, expandable and powerful



The open architecture of **OpenCubeHD** makes it a powerful DDR to efficiently connect your video equipment to any file based HD production tapeless environment.

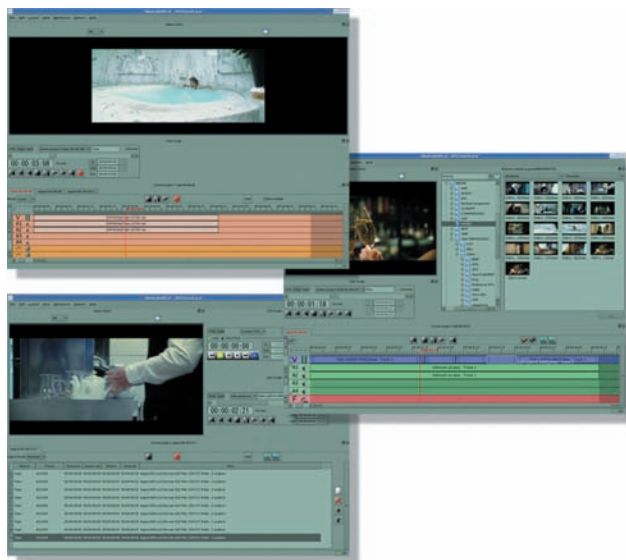
OpenCubeHD can either be integrated as a gateway to a DI system, or either be used independently equipped with Raid 0 or attached to Raid 5 storage. The open file system offers the possibility to directly access media using NFS/Samba protocols or adding effortlessly disks to expand the storage capacities.

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 in Raw files. The network connectivity enables to work on video frames while recording or to directly drop the media on a distant storage.

The viewing of the media is made in real time in HD 4.2.2, HD 4.4.4, 2K or SD formats.

An advanced and efficient user interface

OpenCubeHD is driven by an advanced and intuitive Graphic User Interface: an intelligent project management allows to rapidly access the server's key functionalities. The media is handled in a browser with different views and levels of information displays.



A format independent Timeline offers the possibility to mix different HD and SD resolutions and to play back all of your media without any problem in a Cut/Edit mode.

Visual effects can be applied in real time making the server flexible and customizable.

Ingest is achievable via Live recording with the driving of the VTR controlled by TimeCode or automated thanks to the EDL based batch capture process.

For an even smoother use **OpenCubeHD** User interface can be locally and remotely launched.

Key Features:

Video I/O

- > HD-SDI Input/Output
- > SDI Input/Output
- > 16 audio channels embedded in SDI
- > DVI Output
- > Dual Link HD-SDI 4.4.4 Input/Output (*)
- > 2K Viewing (*)
- > Slow Pal 625/24i (*)
- > 8 AES/EBU Channels (*)

(*) Available as an option

Supported file formats

- > Bmp, Tga, Dpx, Cin, Yuv 4.2.2, Raw, Rgb, Sgi, Wave, Bwf, Aiff, Dv, Dif, MXF (*)

Applications

- > Intuitive and easy to use GUI
- > Advanced projects handling
- > Cut/Edit TimeLine
- > EDL CMX 3600 Import/Export
- > VTR Emulation in Record and Play back
- > Batch capture from a VTR
- > RS422 protocol

Effects

- > Split, Comparaison, Color Space Conversion YUV <> RGB, Gamma Correction, Difference

Architecture

- > PC Rack 4U Server
- > Linux Operating System (Kernel 2.6)
- > XFS or Ext2 Linux File systems
- > Raid 0 Internal Storage 700 GB to 1,4 TB
- > Raid 5 External Storage 1 TB to 6 TB useful
- > SAN/NAS Connection

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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.