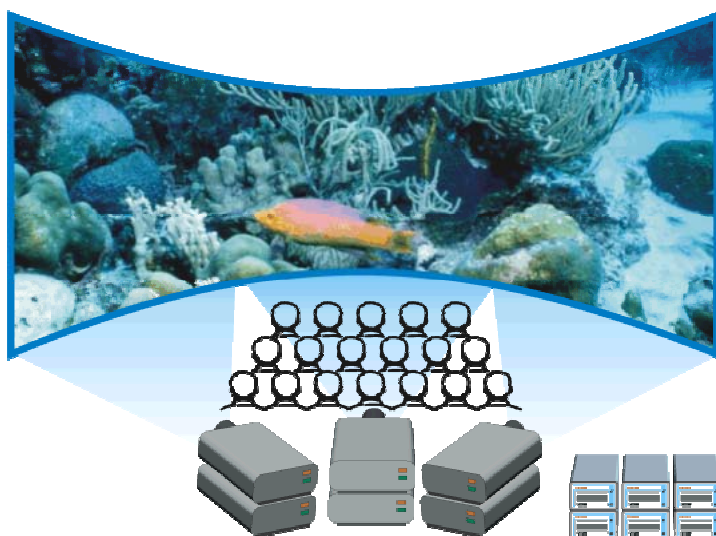


CineBox

Digital MPEG-2 Video Recorder/Server/Player Unit
for synchronised HD Multi-Projection
in Electronic Cinemas, 3D Cinemas and Domes



Example for cascading capability: synchronised seamless playing of two (or more) high definition video streams even from different storage media for high performance applications

Features:

- Including MPEG-2 Main Profile @ High Level decoder
- Ethernet adapter for remote controlling and internet download
- Including disk drives as storage media for MPEG-2 compressed signals
- Simultaneous recording and playing
- Server-mode features original data-rate recovery using PCRs (no request mode!)
- Download e.g. of new advertisement sequences during current play loop
- Cascading and absolute precise synchronisation capability for Multi-Projection
- Seamless overlapping by real time processing
- Resolution horizontal and vertical unlimited cascable
- Qualified for any type of projector

Options:

- Tuner for DVB-S or DVB-T
- Additional DVD-player

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INPUTS:

- MPEG-2 TS (LVDS SPI up to 72 Mbits/s)

OUTPUTS:

- Digital Video (ITU-R/BT. 1120)
- MPEG-2 TS (LVDS SPI)

Output Formats:

- up to 1080i 60Hz or 1080p 30Hz
- 1/1001 frame rates
- 24p and 24psf formats supported
- all 18 ATSC formats
- Native format output for SXGA projectors

Controlling and Data:

- Linux based driver and controlling software
- Controlling software with GUI
- Central remote control via Ethernet
- Ethernet LAN-Adapter 10/100/1Gbit Base-T
- SCSI for external Raid system
- USB, I2C

Multi-Projection:

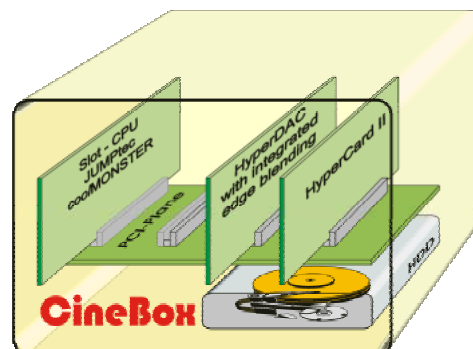
- unrestricted cascading feasibility
- precise synchronisation for all channels
- each channel can be embedded in an individual MPEG-2 TS stream (but not necessarily!)
- automatic adjustment between channels even after gaps in streams or unsynchronised starting of the individual streams
- maximum phase delay only about several lines (feasibility of interactive modification)

Options:

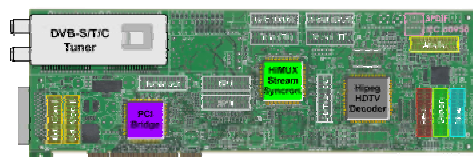
- HyperFace:
ASI in / ASI out / HD-SDI out / DVI out
- HyperDAC.
Analogue RGB HV out featuring
horizontal and vertical online edge blending

Applications:

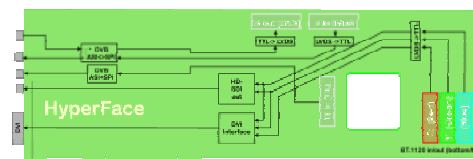
- Video recorder for future digital transmission standards DVB-S, DVB-T.
- Simultaneous recording and playing of different programs.
- Offline internet download of films for a (home) cinema event.
- Can be easily used for automatic advertisement projections.
- Expandable for **3D HDTV** performances .
- Seamless **Multi-Projection** or Screen presentations

**Internal basic Configuration:**

HDD / HyperCard II / Slot-CPU /
HyperDAC / SCSI Controller optionally

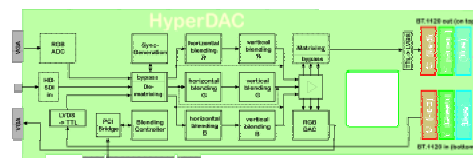
**HyperCard II:**

MPEG-2 HD Decoder- & Multisyncboard

**HyperFace:**

Interface Card

(ASI in / ASI out / HD-SDI out / DVI out)

**HyperDAC:**

Dematrix and DAC including

horizontal & vertical blending functionality