

The Mach HD is an SD and HD motion compensated standards and cross converter with synchronization capability. It has SD and HD inputs and outputs, and is capable of providing upconversion, downconversion, and crossconversion both within and between frame rates.

Mach HD is AFD ready, enabling integration of SMPTE 2016 (AFD) into your workflow.

In addition, the product handles embedded, AES (balanced and unbalanced) and analog audio, with a range of additional features such as Aspect Ratio Conversion (ARC) and color space conversion.

The Mach HD has dual redundant PSU capability and is provided in a 1RU rack mounting housing with remote control capability via Ethernet.

Dolby E decoding and transcoding is available as an option.

Kudos Plus Mach HD

HD & SD Motion Compensated Standards Converter with Synchronizer, Up, Down & Cross Conversion



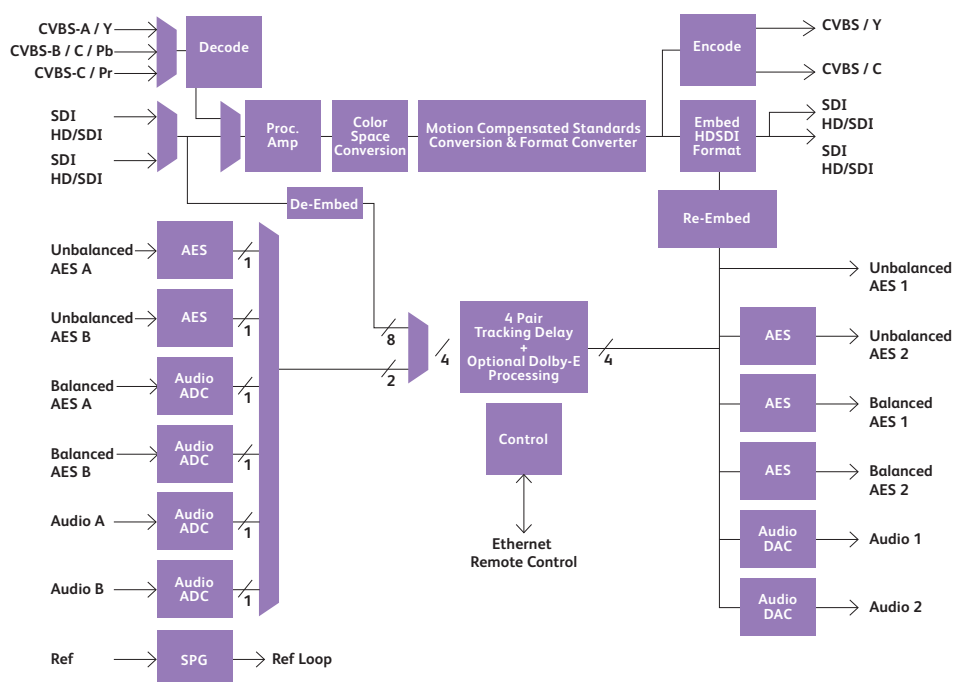
Features

- Motion compensated HD & SD standards conversion
- Advanced format conversion (up, down & cross)
- Automatic Aspect Ratio Conversion (AFD, VI, L23)
- Proprietary multi-point vertical-temporal aperture
- Multi-rate HD/SD SDI inputs & outputs
- Composite input / output
- AES, analog & embedded audio
- Input auto detect
- Audio processing, delay & routing
- Powerful picture enhancement tools
- User memories
- Front panel control

- Ethernet, RollCall and SNMP remote control
- Compact 1RU form factor
- Dual redundant power supplies
- Pass-through of non-PCM audio, such as embedded Dolby E
- Closed caption and timecode pass-through
- Legalizer
- Optional Dolby E decode and transcode

Applications

- International program exchange
- Satellite down-link
- News & events
- Dubbing & duplication
- Audio embedding & extraction



Kudos Plus Mach HD Block Diagram

