

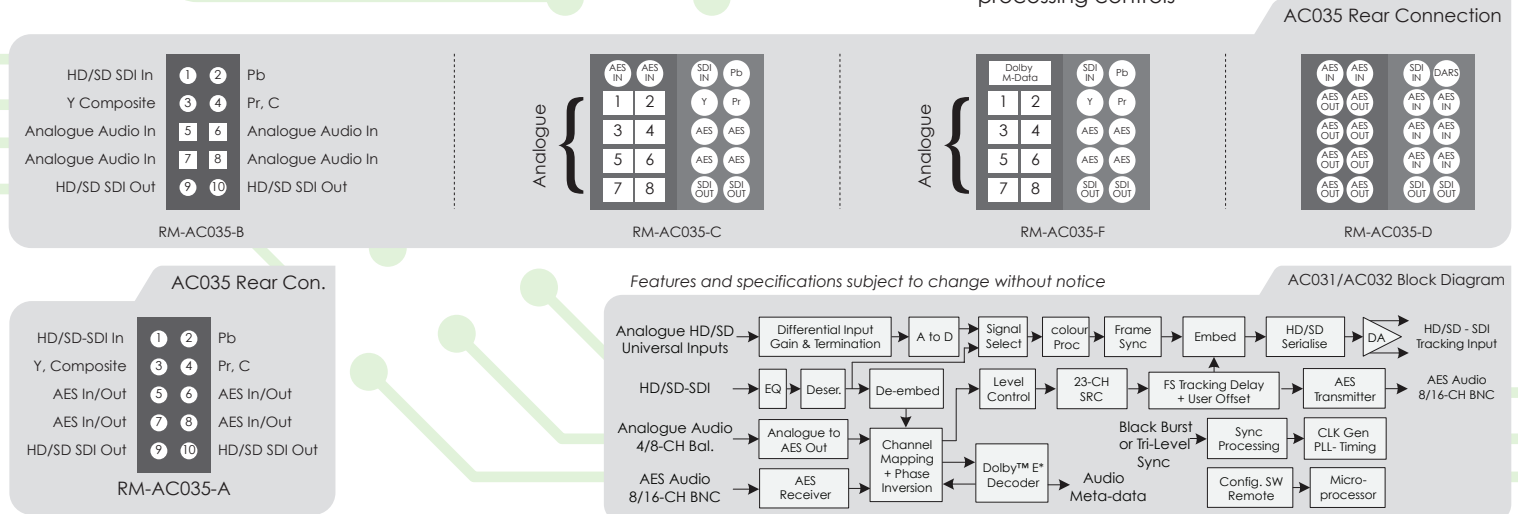
Input Processing HD/SD Analogue and Digital Input with Audio Embedding Conversion and Frame Sync - Dolby® Decoding Option

The AC035 is a HD/SD universal input (analogue/digital) to digital output input processing card with audio embedding, audio conversion and Frame Sync. It has a full featured high quality 12-bit analogue to 10-bit serial digital converter, an HD/SD-SDI input, analogue and digital audio inputs, audio embedding, audio de-embedding, Frame Sync and

user audio/video level controls. Full user remote and local digital proc. control, with user memory allows digital adjustment of gain, DC offset, saturation and hue, audio levels, audio mapping and Frame Sync controls. Factory presets enable a return to factory settings. Optional Dolby®E Decoder with meta-data output.

Analogue to Digital Converters Features

- HD/SD universal analogue and digital inputs
- Analogue and AES audio inputs and AES output
- 24-bit audio embedding or de-embedding
- Frame Sync with tracking audio delay
- Audio channel mapping and level control
- Video level controls
- Differential inputs for power hum rejection
- 5-Line adaptive comb filter for SD-Composite mode
- 24-bit analogue audio conversion to AES
- 24-bit embedding/de-embedding
- Dolby® Decoder option with meta-data output
- User offset to Frame Sync to align E delay
- Internal colour bar generator
- Local or remote user configuration & processing controls



Specifications

HD/SD-SDI Input

SMPTE 292 and 259M

HD Analogue Input

YPbPr or GBR SMPTE

SD Analogue Input

Composite, Y/C or Component (YPbPrBetaCam™, MII™ or SMPTE/N10)

SD Standards

525 / 625 NTSC (M, Japan, 4.43), PAL (B, D, G, H, I, M, N, Nc) and SECAM (B, D, G, K, L)

Digital Output

Two HD/SD-SDI with EDH

A/D Process

HD: 4:4:4 SD:8:8:8

Resolution

12-bit A to D and 10-bit video data path

SD Comb Filter

5-line adaptive

Proc. Control

Digital control of gain, DC, saturation & hue and audio levels, mapping and CH inversion presets

Audio Analogue Input

8-CH balanced differential to +24dBu

AES Input

16-CH unbalanced BNC

AES Output

16-CH unbalanced BNC

Embedding

16-CH HD/SD

Power

12 watts

Size

12.9" x 3" (33mm x 7.5"mm) For use with openGear™ frames Dolby® Decoder option with meta-data output



MICHAEL STEVENS & PARTNERS LTD

INVICTA WORKS ELLIOTT ROAD, BROMLEY, KENT, BR2 9NT UK

TEL: +44 (0)20 8460 7299 Fax: +44 (0)20 8460 0499

E-MAIL: SALES@MICHAEL-STEVENS.COM WEB: WWW.CHROMATEC.COM WEB: WWW.MICHAEL-STEVENS.COM