

## AC033: Input Processing Analogue to Digital Video with Audio Embedding

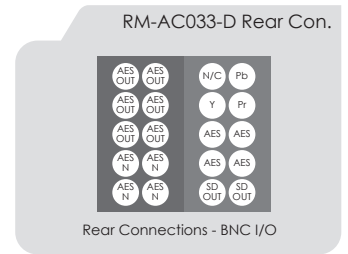
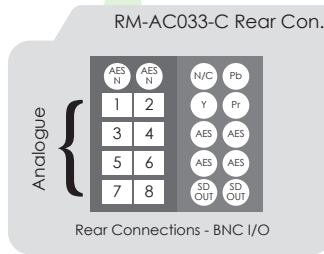
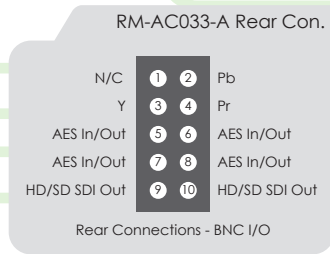
## AC034: Input Processing Analogue to Digital Video with Audio Embedding and Frame Sync

The AC033 is a HD/SD universal input analogue to digital output processing card with audio embedding, audio conversion and Frame Sync\*. The AC034 adds a Frame Sync with infinite pixel phasing. It has a full featured high quality 12-bit analogue to 10-bit serial digital converter, 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, Frame Sync controls and factory presets enable a return to factory settings.

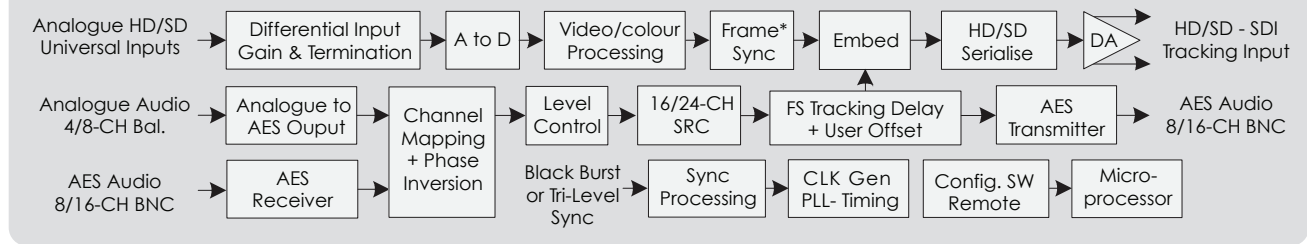
## Analogue to Digital Converters Features

- HD/SD universal analogue inputs
- Analogue and AES audio inputs and AES output
- 24-bit audio 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
- Internal colour bar generator
- Local or remote user configuration & Proc. controls
- Five year warranty



Features and specifications subject to change without notice

AC033/AC034 Block Diagram



## Specifications

### HD Analogue Input

YPbPr or GBR SMPTE

### SD Analogue Input

Composite, Y/C or component RGB (RGB and YPbPr in BetaCam™, MII™ or SMPTE/N10 levels)

### SD Standards

525 / 625 NTSC (M, Japan, 4.43), PAL (B, D, G, H, I, M, N, Nc) and SECAM (B, D, G, K, K1, 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

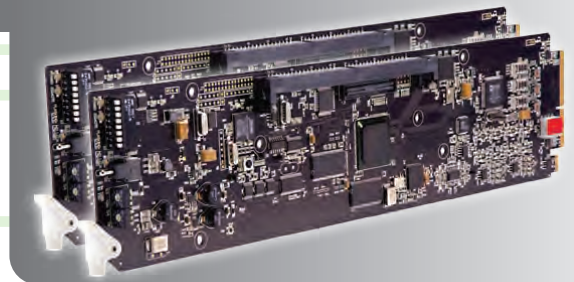
Digital control of gain, DC, saturation & hue and audio levels, mapping and CH inversion presets

### 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

10 watts

For use in openGear™ frames



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