

Embedded Audio Delay Processor, with Optional Audio Upmixer

The AD305 is an embedded audio delay processor that receives an HD/SD-SDI signal, de-embeds all audio data, allows for independent delay for each channel, and re-embeds the audio into the SDI video stream. The active picture and all non-audio ancillary packets are left untouched. The card also features user control of gain and polarity for each channel. An upmixer software option,

featuring Linear Acoustics® technology, converts a stereo signal to a representative 5.1 surround signal. The upmix can be manually enabled, or operate in an automatic mode, where the upmixer monitors the input audio for stereo audio and replaces it with 5.1 surround. User controls are also provided for audio center width and surround field depth.

Features

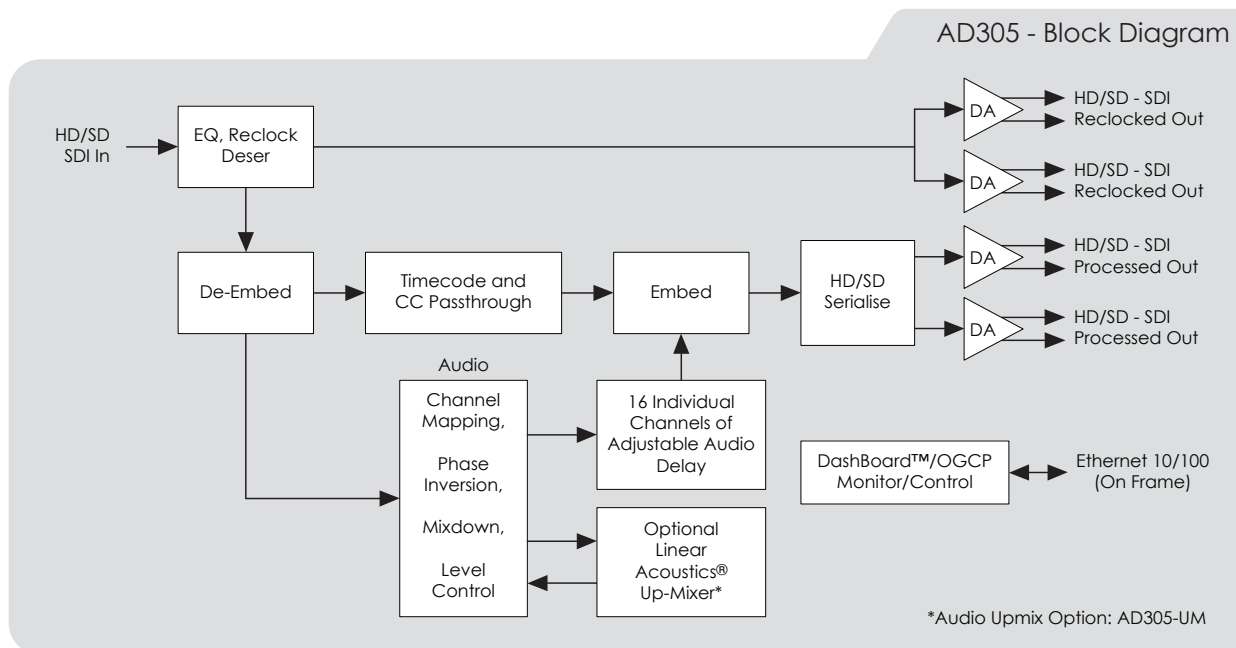
- Audio channel mapping and level control
- Independent delay for all 16 channels; pair delays can be locked
- Adjustable delay up to 10.5 seconds per channel
- Optional audio upmixer featuring Linear Acoustics® technology (2.0 stereo ->5.1 surround)
- Local or remote user controls
- Remote control/monitoring via DashBoard™ software
- Five year warranty

Ordering Information

AD305 Embedded Audio Delay with Audio Processing, Independent Audio Delay per Channel

RM-AD305-A Rear I/O Module (Single Slot) HD/SDI Input, 4 HD/SD-SDI Reclocked Outputs, 4 HD/SD-SDI Processed Outputs

SFT-AD305-UM Software Upmixer Option



Features and specifications subject to change without notice



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-STEVENSON.COM WEB: WWW.CHROMATEC.COM WEB: WWW.MICHAEL-STEVENSON.COM



Specifications

Electrical

Power: 7 watts

HD/SD-SDI Input

Number of Inputs: 1

Standard: SMPTE 292 and 259M

Return Loss: >15 dB at 5 MHz - 1.485 GHz

Embedded Audio Delay

Maximum Per Ch: 10.5 seconds

Delay Increment: 0.01 ms

HD/SD-SDI Output

Number of outputs: 4 Processed
4 Reclocked

Standard: SMPTE 292 and 259M

Signal Level: 800 mV nominal

Return Loss: >15 dB at 5 MHz - 270 MHz
>12 dB at 270 MHz - 1.485 GHz

Jitter: HD: < 0.15 UI
SD: < 0.10 UI

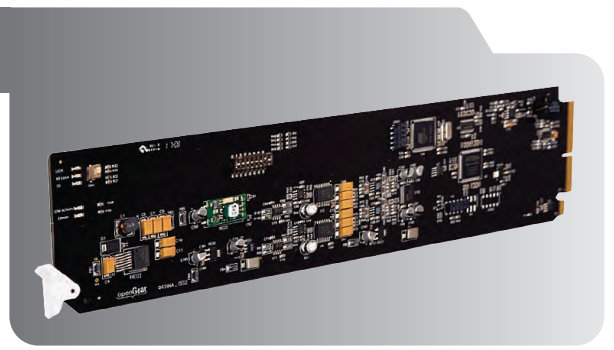
Embedded Audio:

16-Ch SD/HD

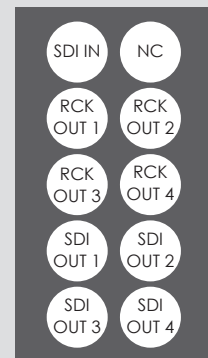
Upmixer

Number of Input Channels: 2 or 6

Number of Output Channels: 6



RM-AD305-A Rear Module



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-STEVENSON.COM WEB: WWW.CHROMATEC.COM WEB: WWW.MICHAEL-STEVENSON.COM