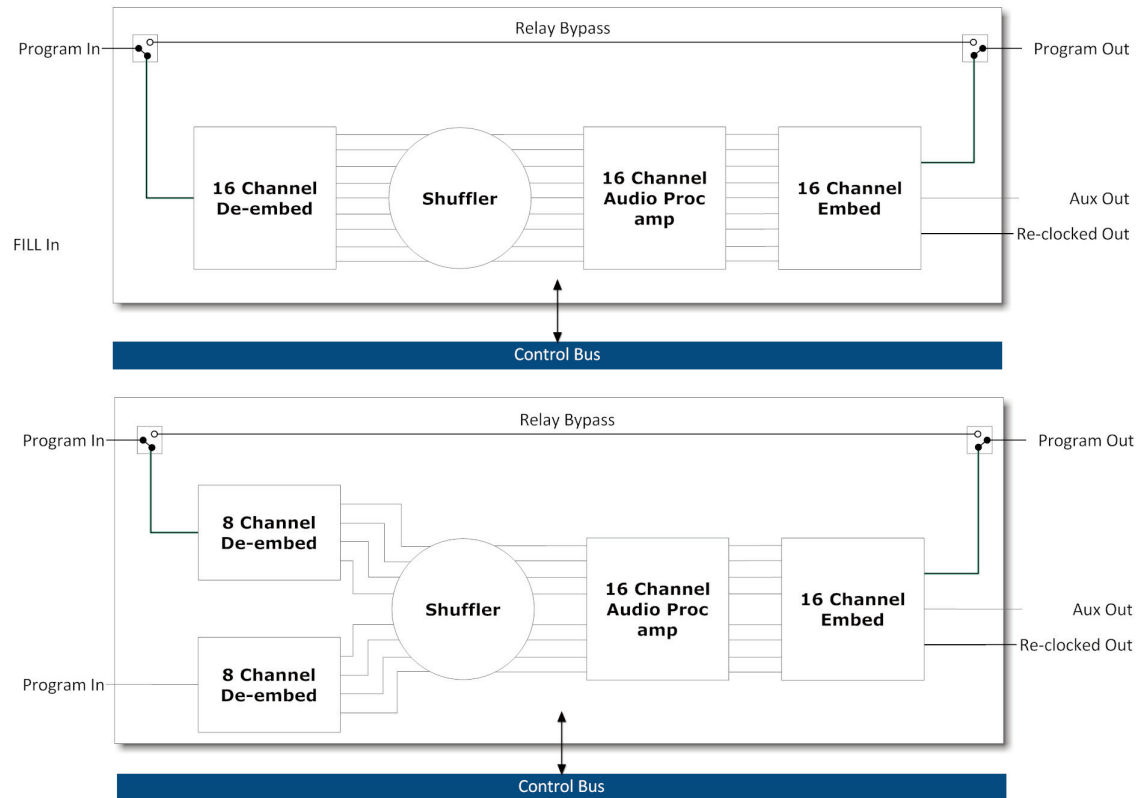


MicroVideo

HAS 300

Multi-definition audio embedder, de-embedder and shuffler



Features

The HAS 300 is a 16-channel in 4-group preset-based HD-SDI embedded audio embedder/ de-embedder/ shuffler/ mixer. Preset-based controls make it ideal for repeated corrections or standard channel swapping.

The HAS 300 allows the operator to simply re-assign embedded audio channels within an HD-SDI or SD-SDI feed. A second input allows embedded audio to be extracted from one feed and added to alternative video from another. (2 x 8 channel in 2 group) Individual gain, phase and delay control for each channel.

The HAS 300 employs full 24 bit audio signal processing throughout. It has a wide range of applications including; multi-language soundtrack switching in playout studios and correcting operator errors such as left/right channel inversion. Passes all ancillary data present in vertical and horizontal blanking intervals.

3G, HD and SD-SDI compatible

16-channel selection (any out of 16 embedded)

Audio channel shuffler (8x8)

Mix of any 4 channels in group 1,2,3,4 embedder

Analogue audio I/O option

Silence detection with threshold (-100 to -20dBFS) and time control (1 to 255 sec)

Locks to SDI input or analogue reference

Up to three seconds of delay

In-line processor for embedded audio

Built-in audio mixer

Audio channel shuffler (8x8)

Specification

Input

SD/HD Serial Video Standard	SMPTE 424M (3Gb/s) SMPTE 292M (1.5Gb/s) SMPTE 259M (270Mb/s) 1080p/59.94, 1080i/59.94, 1080i/50, 720p/50
Number of Inputs	2
Equalization	Automatic to 75m @ 1.5Gb/s with Belden 1694A or equivalent cable.
Return Loss	> 10dB up to 1.5GHz

Output

HD Serial Video Standard	As per input As per input
Number of Outputs	3 (1 relay bypass protected, 1 broadcast quality monitoring output, 1 preview)
Signal Level	800mV nominal
DC Offset	0V ±0.5V
Rise and Fall Time	90ps nominal for HD, 600ps nominal for SD
Overshoot	< 10% of amplitude
Return Loss	> 15dB up to 1.0Gb/s, > 10dB up to 1.5Gb/s
Wideband Jitter	< 0.2UI

Miscellaneous

Weight Approx	250g
Operating Temp	0 °C to +50 °C
Dimensions	16 x 100 x 237 mm (HxWxD)
Electrical	Voltage +5Vdc

Options

Frames/Cases

HD1U-10	Rack mounting 1U frame with single PSU. Allows use of upto 6 Series 200 and 300 cards
HD1U-20	Rack mounting 1U frame with dual PSU. Allows use of upto 6 Series 200 and 300 card
SA-1-DG	Desktpr Box to house single series 300 card (including TCPIP, RS232/422, cables and PSU)

Rear Connections

