



RouteCase® 4D

Multi de-embedder/embedder

RouteCase® 4D is a small, portable multichannel SDI video audio embedder/de-embedder module. Primarily designed for use with the SIS LIVE RouteCase, the unit can be also used as a standalone product whenever analogue audios are required from embedded sources.

RouteCase 4D can de-embed stereo pairs from 4 video sources and embed a stereo pair onto one SDI signal. Supporting SD, HD (1.485 and 2.97 Gbps) and having automatic cable equalisation, multi-rate reclocking and automatic input detection.

Housed in a compact and rugged case RouteCase 4D is ideally suited to a live broadcasting or off line editing environment.



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Features

- Multi-channel de-embedder / embedder module
- De-embeds stereo pairs from 4 SD/HD SDI Signals
- Embeds a stereo pair into one SDI Signal
- Supports data rates of 270Mbps, 1.485Gbps and 2.97Gbps
- Automatic cable equalisation
- Multi-rate reclocking with automatic rate detection
- LEDs display power, SDI lock and Embedding/De-embedding status
- Wide input voltage range 9v-24v on 4 pin XLR
- Fully reclocked loop through SDI outputs on every de-embedding channel
- Two fully reclocked SDI outputs on embedding channel
- Full scale audio levels switchable between 18dBu and 24dBu
- 8 Balanced audio outputs on female DB-25 connector. Breakout cables available to Professional Balanced XLRs or Balanced 6.35mm TRS Jacks and unbalanced RCAs for use with RouteCase
- 2 Balanced audio inputs on female DE-9 connector, Breakout cables available to Professional Balanced XLRs or Balanced 6.35mm TRS Jacks for use with RouteCase

Technical Specification

Standards:	SMPTE 259M-C, SMPTE 292, SMPTE 424M, SMPTE 272M, SMPTE 299M
SDI Data Rates:	270Mbps, 1.485Gbps, 2.97Gbps
SDI Return Loss:	>15dB to 1.485Ghz, >10dB 1.485GHZ-2.97GHZ
SDI Signal Level:	800mVp-p ±10%
SDI Connectors:	75Ω BNC (as per IEC 60169-8 amendment 2)
Typical cable length equalisation (Belden 1694A):	450m @ 270 Mbps 200m @ 1.485 Gbps 120m @ 2.97 Gbps
Audio Connectors:	DB-25 (Outputs), DE-9 (Inputs)
Audio Levels:	0dBFS=18dBu or 0dBFS=24dBu Switchable (Balanced)
Indicators:	Power, SDI lock, Embedding / De-embedding Status
Input Voltage:	9v – 24v
Power Consumption:	12W
Dimensions:	L 275mm x W 125mm x H 52mm