



SED-858

8 Channel Embed / Deembed & AFD Insertion



The SED-858 HD/SD Audio Multiplexer Demultiplexer will embed or de-Embed up to eight audio channels, in either AES balanced, AES unbalanced, or analog formats, into a single 3 Gb/s, 1.485 Gb/s HD or 270 Mb/s SD video stream. This unit meets the SMPTE specifications for embedding and de-Embedding.

The SED-858 will embed or de-Embed up to eight audio channels into two groups in the horizontal ancillary region of the HD-SDI or SD-SDI output signal. A key feature, embedding and de-Embedding may be performed simultaneously. Cross channel swap may be selected to meet the specific requirements of the customer. As an added bonus, the SED-858 will incorporate AFD Insertion, deletion, and pass-through. The SED-858 is a one RU chassis that auto-detect between HD-SDI and SD-SDI signals with full channel selection per HD or SD signal. Built-in analog audio amplifiers allow for full control over the volume.

The SED-858 set-up features are controlled by a rotary encoder, and displayed on a VFD. Automatic detection of all SMPTE 292M HD, SMPTE 424M HD, and SMPTE 259M SD SDI video standards. Eight balanced analog audio, eight channels of four AES unbalanced, or eight channels of four AES balanced inputs. 24-bit AES input audio embedding. One SMPTE 292M HD-SDI with SMPTE 299M embedded audio or SMPTE 259M SD-SDI with SMPTE 272M embedded audio outputs. 24-bit AES audio processing. Optional ancillary data space cleaning mode before embedding.

Each SED-858 includes a chassis specific breakout cable that expands the number of available connections beyond what would fit on a standard plug-in card system. The breakout connectors includes two 25 pin male and one 25 pin female that provides for AES and analog audio I/O.

The SED-858 includes one 25-pin break-out cable for AES Balanced. The 25-pin break-out cables for analog audio I/O are optional items and should be purchased separately.

Exceptional Technical Support

The SED-858 is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

Features

- HD/SD SDI Video In
- AFD Pass-thru
- Analog-AES Audio I/O
- 8 CH Embed
- FD Delete
- AFD Auto Insert

- 8 CH DeEmbed
- Remove All Audio
- Analog I/O Level Cont
- Embed Audio Delay
- AFD Display

- ANC Data Detect/Delete
- Save Multi Config
- AES Audio Detect
- Dolby E Compatible
- AFD Insert
- 3 G, Level A & B



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Input:

SDI Video: One, 270Mb/s, 1.485Gb/s and 2.97Gb/s

AES:

Balanced: 8 Channel (4 AES3-1992) 25 Pin D-Sub, Requires Cable Adapter Assy. for XLR Inputs
 Level: 1V Minimum, 110 Ω
 Unbalanced: 8 Channels, 4 BNCs AES3-ID 75 Ω BNC
 Level: 800mV to 1.2V
 Sample Rates: 48 KHz

Analog:

Balanced: 8 Channel 25 Pin D-Sub Connectors, Requires Cable Adapter Assy. for XLR Inputs
 Impedance: 110 Ω
 Connector: 25 Pin D-Sub, Requires Adapter Cable Assembly for XLR
 Common Mode Rejection Ratio: >55db
 Signal-to-Noise Ratio: >60db

Outputs:

SDI Video: Two, 270Mb/s, 1.485Gb/s and 2.97Gb/s

AES:

Balanced: 8 Channel (4 AES3-1992) 25 Pin D-Sub, Requires Cable Adapter Assy. for XLR Outputs
 Level: 4.2 volts p-p typical at 110 Ω
 Unbalanced: 4 AES3-ID 75 Ω BNC
 Level: 1V p-p typical at 75 Ω
 Sample Rate: 48 KHz
 Coupling: DC
 Jitter: <0.01UI

Analog:

Balanced: 8 Channel 25 Pin D-Sub Connectors, Requires Cable Adapter Assy. for XLR Outputs
 Impedance: 600 Ω
 Connector: 25 Pin D-Sub, Requires Adapter Cable Assembly for XLR

Front Panel Controls:

3 embed all options: Lit Momentary Push Button
 6 menu selects: Lit Momentary Push Button
 Bypass: Lit Momentary Push Button
 Readout of timing adjustments: VFD Display
 Data Select: Rotary Encoder

Environmental:

Temperature: 0° to 50°C Ambient
 Humidity: 10% to 90% non-condensing
 Power: 3W

Mechanical:

Height: 1.75 Inches
 Width: 19.0 Inches
 Length: 10 Inches
 Weight: 3 Pounds



The manufacture reserves the right to change specifications without notice
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