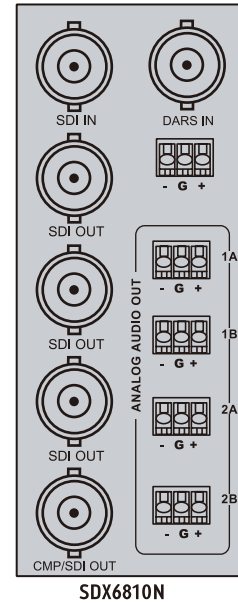
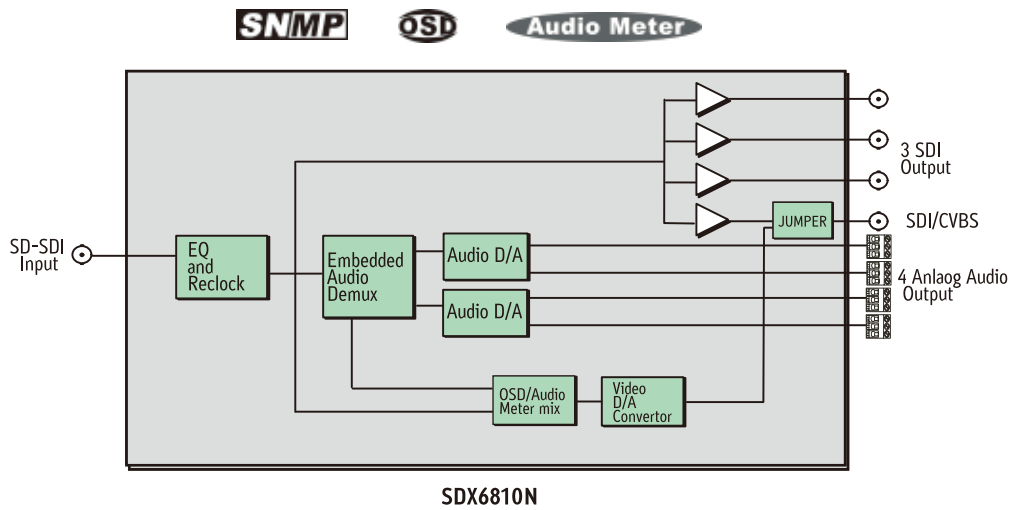


SDX6810N

Analog Audio De-embedding Module

The SDX6810N is an analog audio de-embedding module which de-embeds 4 channels of analog audio from an SD-SDI signal. It supports relocked SDI outputs. The user can choose any channel out of the 4 embedded audio groups as an audio output, or the user can choose the synthesized audio as an output signal.



Features

- De-embedding audio from SD-SDI signal
- 4 channels of audio outputs
- De-embedding in 525/625 video standard
- SDI output with equalization and relocking
- One channel analog PVW output
- 27 available signal sources for each audio output
- SD-SDI video input auto-detect and input status feedback
- Generating Tone signal at fixed frequency rate
- Maximum 1.3 seconds audio delay, invert and mute
- EDH Monitoring
- Freeze frame, black field and video loss detection
- Audio loss and audio overload monitoring
- 16-bit, 20-bit and 24-bit audio processing
- 4-channel audio metering display

Specifications

SDI Video Input

Standard: SMPTE 259M, 270 Mbps, 525/625 component
 Impedance: 75 ohm
 Return Loss: >18dB to 360MHz
 Connector: BNC (IEC169-8)
 Equalization: Auto equalizing to 30dB@270 Mbps

SDI Video Output

Standard: SMPTE 259M-C, 270 Mbps, 525/625 component
 Connector: BNC (IEC169-8)
 Impedance: 75 ohm
 Return Loss: >18dB to 270MHz
 Signal Level: 800 mV ± 10%
 DC Offset: 0V±0.05 V
 Rise and Fall Time: 400 to 1500ps (20% to 80% of amplitude)
 Overshoot: <10% of amplitude
 Jitter: <0.2 UI (740ps) peak, typical <500ps

Analog Audio Output

Connector: 3-pin
 Impedance: 66Ω
 ITHD+N: 0.004% @ 1 KHZ 0dBFS
 S/N Ratio: >107dB
 Return Loss: >25dB, 0.1 to 6MHz
 Frequency Response: 20 Hz - 20 kHz: 0 ±0.15 dB

Analog Composite Video Output

Standard: NTSC, PAL or PAL-M
 Level: 1Vp-p +/-3dB
 Impedance: 75 ohm
 Return Loss: >40 dB to 5 MHz
 DC Offset: 0V±0.05 V
 Frequency Response: ±0.2 dB to 5 MHz
 Differential Gain: <1%
 Differential Phase: <1.5°
 Group Delay: +/-10ns to 5 MHz

Power Consumption

Power: 3.25W
 Positive Rail: 500mA
 Negative Rail: 10mA

*Specifications are subject to change without notice.

Ordering Information

SDX6810N

4-channel analog audio de-embedding module