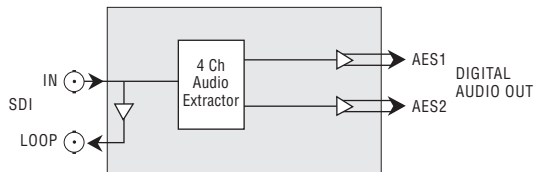


ADX-172p

Dual AES audio de-embedder



The ADX-172p is capable of extracting 2 AES signals (4 audio channels) from a SDI video signal. The ADX-172p is available in both 75 ohm unbalanced and 110 ohm balanced AES output versions. It can extract any of the 4 embedded audio groups in a SDI video stream and provides an SDI video loop output. Low cost and compact packaging makes it ideal for standalone de-embedding applications.



ADX-172p Functional Block Diagram

ORDERING INFORMATION

ADX-172p/110	Dual AES/EBU 110 ohm audio demultiplexer
ADX-172p/75	Dual AES/EBU 75 ohm audio demultiplexer

Accessories

LKS-WSU	Power supply for 110 V or 220 V
pL-Tray	40 W rack mounted tray for up to 10 picoLinks
pico-PA	12 V to 5 V power adaptor

TECHNICAL SPECIFICATIONS

INPUT

Video signal: SMPTE 259M-C (270 Mbps) with active loop-through embedded audio: SMPTE 272M-AD

Cable length: 175 m (560') (Belden 8281)

Return loss: >15 dB up to 270 MHz

Connector: 75 ohm BNC (2)

Level: 1.0 Vp-p nominal
Impedance: 75 ohm unbalanced
Jitter: <2 ns p-p
Connector: 75 ohm BNC (2)

PROCESSING PERFORMANCE

Signal path (audio): 20 bits
Processing delay: 250 μ s

OUTPUT

AES3 (ADX-172p/110)

Signal: AES3-1992 (ANSI S4.40-1992)

Level: 3.5 Vp-p nominal

Impedance: 110 ohm balanced

Jitter: <10 ns p-p

Connector: 110 ohm XLR (2)

AES-3id (ADX-172p/75)

Signal: AES-3id-1995 (SMPTE 276M)

ELECTRICAL

Voltage: 5 VDC
Power: 2 W