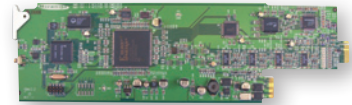


# ADX-1881 8 AES HD/SD De-Embedder

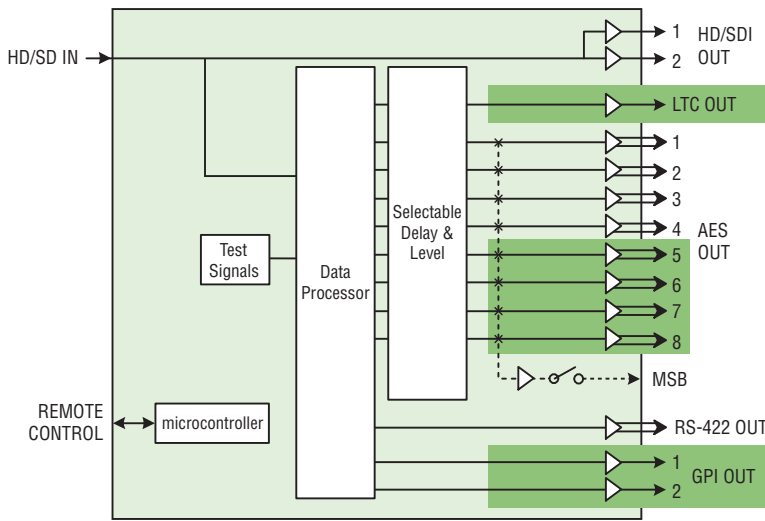


The ADX-1881 is a high-quality AES de-embedder designed to extract eight (8) 24-bit 48 kHz digital audio signals, Ancillary Time Code (ATC), Longitudinal Time Code (LTC) and ancillary data from a single SMPTE 292M HD-SDI or SMPTE-259M-C SD-SDI signal. The ADX-1881 will output audio silence with a loss of the input signal. The module has a built-in audio test tone signal, and can provide a delay of up to 6 fields to the audio.

The card provides automatic input format detection, as well as automatic equalization. A RS422 serial data signal output is available to provide Dolby™ E Metadata output, or simply to output a serial RS422 signal. Two opto-isolated GPI data output signals can be reconstructed from ANC data inserted by the embedder. By combining AMX-1881 embedder and ADX-1881 de-embedder cards, a full duplex link may be established.

## Key Features and Benefits

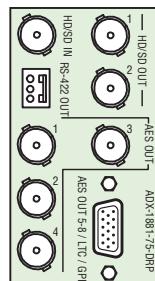
- ⊕ HD/SD-SDI input with automatic equalization
- ⊕ Automatic detection of video input format
- ⊕ Two pass-through HD/SD-SDI video outputs
- ⊕ 8 AES outputs at 110 Ω balanced or 75 Ω unbalanced, depending on rear panel in use
- ⊕ Audio level adjustment, -96 to +12 dB
- ⊕ Selectable audio delay of up to 3 frames in 1/2 frame steps
- ⊕ 24-bit digital audio de-embedding
- ⊕ Audio silence output on loss of video input
- ⊕ Left/Right channels swappable for each AES output
- ⊕ Selectable routing of audio groups to AES outputs
- ⊕ Co-phased audio outputs
- ⊕ Dolby™ E compatible
- ⊕ Monitor selector for Densité frame Monitoring Switching Bridge (MSB)
- ⊕ RS-422 serial data output signal reconstructed from ANC data inserted by the embedder. Output can also be Dolby E or AC-3
- ⊕ Metadata embedded in VANC with proprietary DID.
- ⊕ Linear Time Code (LTC) output translated from Ancillary Time Code (ATC) data or Digital Vertical Interval Time Code (DVITC)
- ⊕ Two opto-isolated GPI data output signals reconstructed from ANC data inserted by the embedder



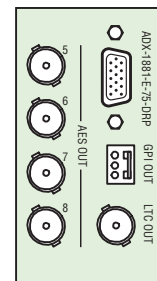
ADX-1881 Functional Block Diagram

Available with ADX-1881-E-75-DRP and ADX-1881-E-110-DRP only.

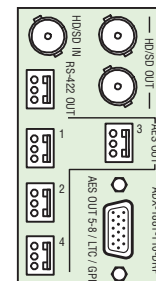
Resolutions	Formats
<i>HD-SDI Formats</i>	
1920 x 1080	59.94i, 50i, 29.97p, 25p, 24p, 23.98p, 29.97 psf, 25psf, 24psf, 23.98psf
1280 x 720	59.94p, 50p
<i>SD-SDI Formats</i>	
525	NTSC
625	PAL



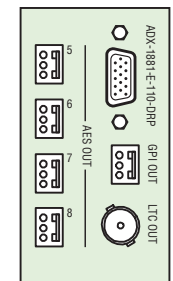
ADX-1881-75-DRP



ADX-1881-E-75-DRP  
Extended Rear



ADX-1881-110-DRP



ADX-1881-E-110-DRP  
Extended Rear