



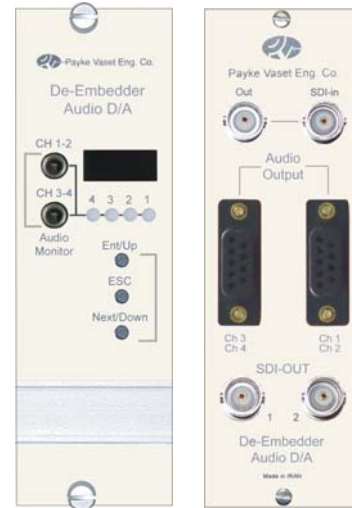
De-Embedder & Audio D/A

The module extract one audio group from SDI input according to BT1305, and then converted to four analog audio outputs. After equalizing and re-clocking of SDI input the audio PLL extracts timing required for audio processing, selecting audio group, delayed up to 340 msec with respect to digital video to solve lip sync problem. Both digital AES3 and analog audio channel are available at the outputs,

analog audio is provided by a 128xFS over-sample delta-sigma A/D converter. Selecting audio group/delay, listen-in stereo jacks, and audio status indicators handled via front panel. BNC connectors for SDI input, active loop-through, De-embedded SDI outputs, and 9-pinD connectors for analog and digital audio outputs are located in the rear panel.

Features

- De-embedding of Selected Audio Group
- Audio Delay Adjustment from 0~340 ms (1 mSec step)
- Two digital audio outputs (AES3)
- Four audio high quality D/A converter
- Audio Channels Listen-in Via Stereo Jack
- Cascaded up to 4 De-Embedder (16 audio channels)
- Analog Audio Level Outputs Adjustment ± 3 dB
- Front Panel Control with Alphanumeric Display
- Active Audio Channel Indication
- Installable in 3RU Digital Studio Subrack

**Specifications**

SDI Input and Output	
Standard	BT656-3
Input Impedance	(1×BNC), 75Ω, Active loop through
Return loss	>18 dB @ 270 Mb/s
Input Equalization	Automatic 40 dB @ 270 MHz
Output	(2× BNC), 75 Ω
De-Embedded Audio	
Standard	BT1305
Sampling frequency	48 KHz
Resolution	24 bits
Delay Adjustment	0~340 ms (1 mSec steps)
General	
Power	± 5 VDC , 800 mA
Operating humidity	10 to 85%
Operating temperature	0 to +35°C
Dimensions	234 * 125 * 40

Digital Audio Output	
No of Outputs	2×AES3, balance
Impedance	110 Ω \pm 20%
Standard	BS-647, AES3
Connector	9 Pin , D-Sub
Analog Audio Output	
No of outputs	4 balance outputs
Output Impedance	60 Ω
Level	+20 dbu Max
Frequency Response	20 ~ 20 KHz
Distortion	0.02 % Max
S/N	< 90 db
Crosstalk	< -90 db
Connector	9 Pin, D-sub
Gain adj.	± 3 db, 0.1 db step

