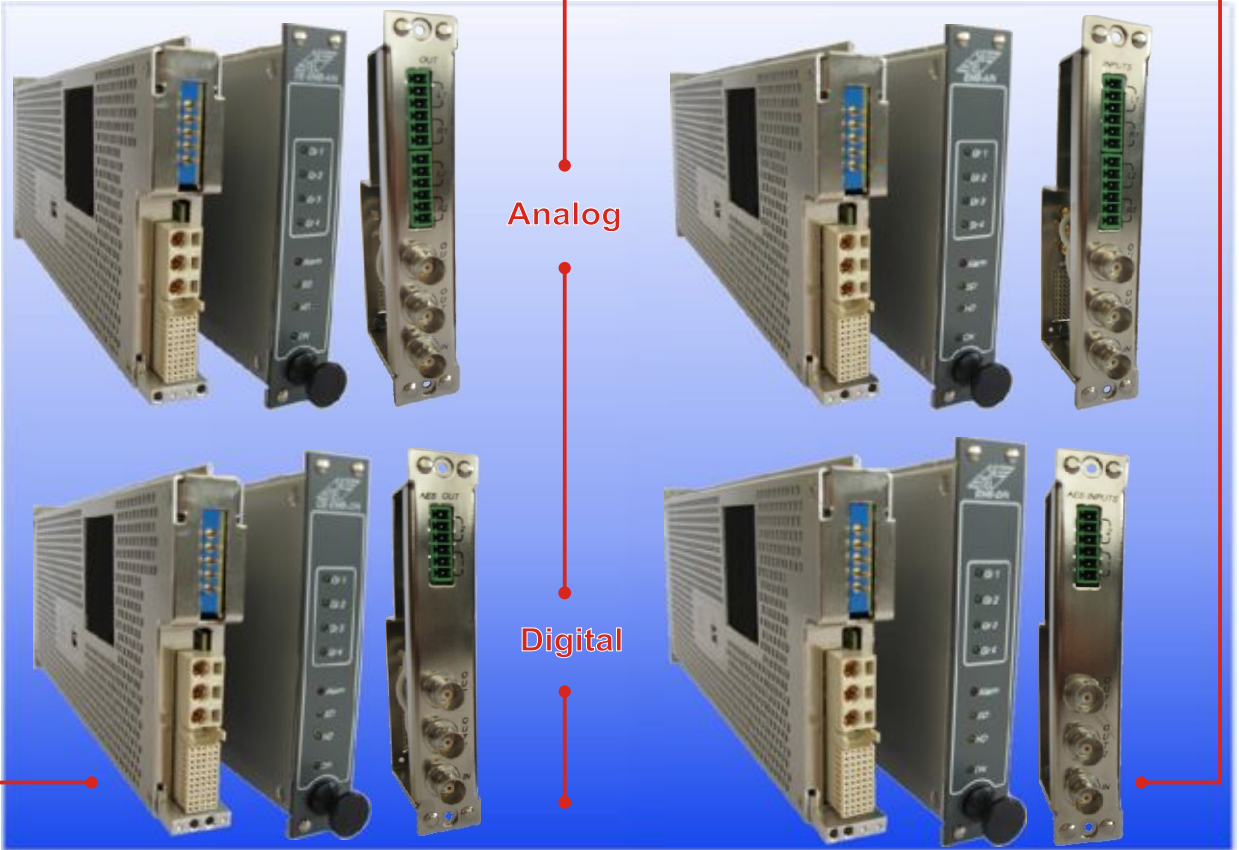




DE-EMB/N & EMB/N

De-Embedder

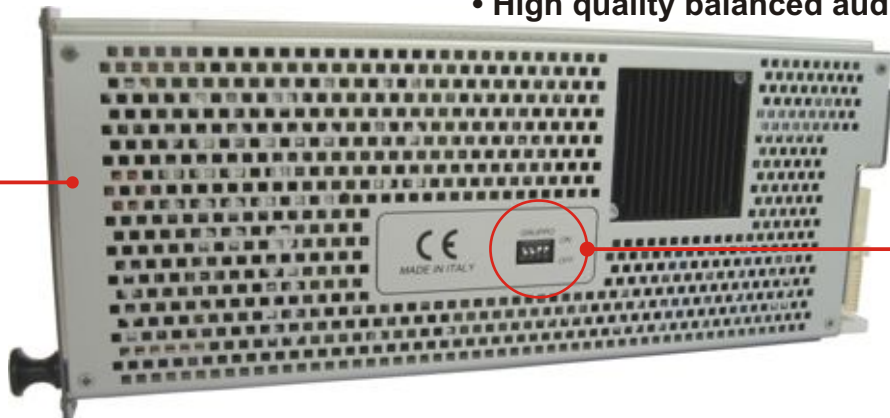
Embedder



Digital / Analog Audio DE-EMBEDDER / EMBEDDER

Compatible with "N" Series Housing System

- User selectable audio groups (1-4).
- 2 digital/analog stereo pair inputs/outputs.
- Supports 16:9 and 4:3 formatted video.
- 270Mbit or 1.5Gbit operation with auto detection.
- 24 bit audio processing.
- Full scale ranging +18/+24 dBu for analog output.
- High quality balanced audio inputs/outputs.
- Hot Swappable.



Description

Specifications

Balanced Digital Audio Inputs/Outputs

Number of inputs:	2
Input type:	Balanced, transformer coupled
Impedance:	110Ω
Signal type:	AES frame rates 48 KHz
Input level:	0.2 Vp-p - 7Vp-p
Nominal input level:	5Vp-p ± 1V
Output Jitter:	< 5ns
Output level:	5Vp-p ± 1V @ 110Ω load

Balanced Analog Audio Inputs/Outputs

Type:	Stereo pairs
Input impedance:	10 kohms
Max output load:	50 ohms
Selectable level:	+18/+24 dBm
CMRR:	>75 dBm
Nominal gain:	Unity
THD:	<0.01%
S/N weighting:	>91 dB
Frequency response:	20 Hz to 20 kHz, -0.2dBm

Video Inputs

Signal type:	- SMPTE 259M and 292M signal formats - Will route most other <1 Vpp signals, 3 Mb/s to 1.5 Gb/s
Normal input level:	- 800 mVp-p ± 10%
Equalization:	Auto: - 1,148 ft (350 m) for SDI bit rates to 270 Mb/s - 460 ft (140 m) for HD-SDI bit rates to 1.5 Gb/s
Return loss:	- > -15 dB from 5 MHz to 1.5 GHz
Connector:	- 75 ohms BNC per IEC 169-8

Video Output

Number of outputs:	2
Signal type:	- SMPTE 259M and 292M signal formats - Will route most other <1Vpp signals, 270 Mb/s to 1.5 Gb/s
Data rate:	- Follows selected input
DC offset:	- 0 V ± 0.5 V
Rise / fall times:	- 600 ps (measured at 20-80% amplitude) for 259M - 150 ps for 292M signal rates
Overshoot:	- <10% of amplitude
Reclocking:	- Automatic for all standard SDI and HD-SDI clock rates - Bypass mode for all non-standard clock rates
Normal output level:	- 800 mVp-p 10%
Jitter:	- < 0.2 VI per SMPTE
Return loss:	- > -15 dB 5 MHz to 1.5 GHz
Connector:	- 75 ohm BNC per IEC 169-8

Ordering Information

DE-EMB-D/N

- AES Digital Audio DE-EMBEDDER module *

DE-EMB-A/N

- Analog Audio DE-EMBEDDER module *

EMB-D/N

- AES Digital Audio EMBEDDER module *

EMB-A/N

- Analog Audio EMBEDDER module *

* Panel housing outlets included

Frame components:

Rack RK3-16M/N

- 3RU 19" rackmount housing

PWS-150/N

- 2 frame unit power supply for RK3

Rack RK1-2M/N

- 1RU 19" rackmount housing

PWT6/24/N

- power supply for RK1

NOTE:

Specifications are subject to change without notice