

P DX 5268 B / D

SDTV / HDTV

SERIES 5000

CardModules

SD/HD 8 x AES Digital Audio De-embedder

Description

The P DX 5268 is a high quality multiformat audio De-embedder which provides 8 de-embedded AES audio outputs. The Input video standard (and format) is automatically detected. A mono audio crossbar (16x16) is provided to configure the AES outputs. The de-embedder is transparent to DolbyE signals.

Dual backplane options support both single ended AES3id and balanced AES3 connectivity. AES outputs are isolated using transformer coupling.

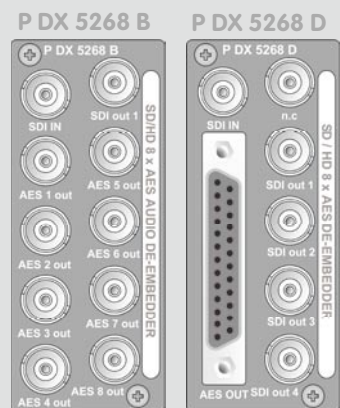
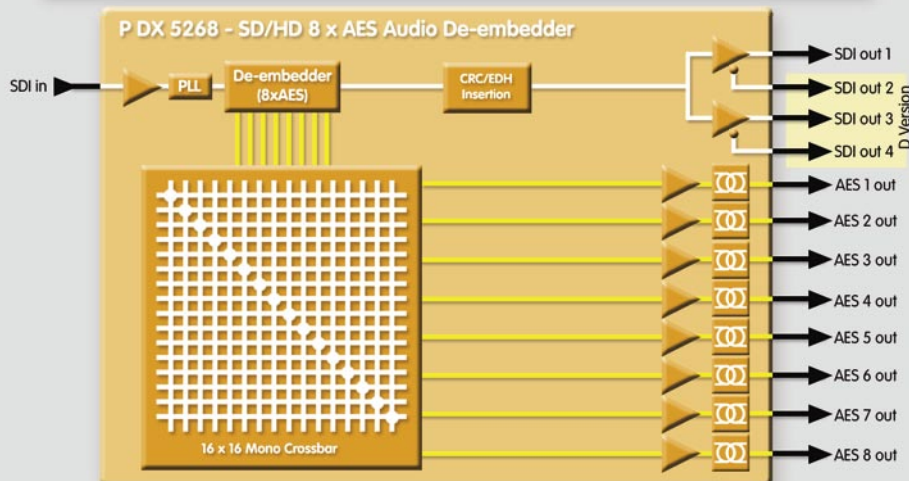
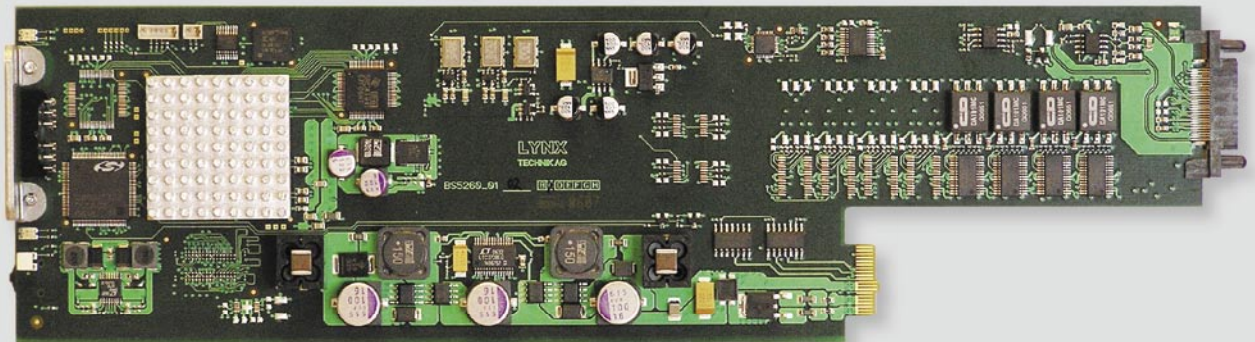
Four re-clocked SD/HD outputs adds useful 1>4 SD/HD distribution functionality which could be used for cascading into additional de-embedders for the extraction of additional audio channels (D version only)

Microprocessor control and on board flash ram enable configurations and settings to be stored within the module (through power cycles and module removal).

Local control capability is provided via the integrated matrix display and multifunction switch. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

Features

- Multi-format SD/HD operation with auto detection
- De-embeds all audio (8xAES)
- Compatible with DolbyE audio streams
- Four re-clocked SD/HD video outputs provided (D version only)
- Two backplane options supporting single ended AES or balanced AES audio connectivity.
- Transformer coupled (isolated) audio outputs.
- Remote control, status monitoring and error reporting possible when used with LYNX control system.
- Full SNMP support when used with master controller option
- Hot Swappable.



Backplane Options

SD/HD 8 x AES Digital Audio De-embedder

Specifications

Video Input	
Signal Type	Serial digital video SMPTE, 292M, 344M, 259M C-D with automatic video format and standard detection
Supported formats	SDTV: 525 59.94Hz / 625 50Hz HDTV: 1080i 59.94Hz / 1080i 60Hz / 1080i 50Hz / 720P 59.94Hz / 720P 60Hz / 720P 50Hz (Field upgradable for additional format support)
No. of inputs	1
Input Impedance	75 Ohms
Connector	BNC
Return loss	> 15dB (270Mbit) > 10dB (1.485GHz)
Video Outputs	
No. Of Outputs	4 x SDI out D version, 1 x SDI out on B version
Signal Type	Serial digital video SMPTE, 292M, 344M, 259M
Output format	Follows input format.
Connector	BNC
Impedance	75 Ohm
Jitter	< 0.2ui (270Mbit) < 0.25ui (1.485Gbit)
Return loss	> 15dB (1.5GHz)
AES Audio Outputs	
Signal	P DX 5268 B = 8 x AES3id unbalanced (single ended) P DX 5268 D = 8 x AES3 balanced
Connectors	P DX 5268 B = BNC, 75 Ohm P MX 5268 D = Female 25 pin sub D, 110 Ohm balanced
Output level	P DX 5268 B = 1 v peak to peak nominal P DX 5268 D = 4v peak to peak nominal
Coupling	Transformer (isolated) outputs
Audio Processing	
Channel shuffle	Mono output crossbar (16x8)
Performance	
Cable equalization	Up to 250m using Belden 8281 (270Mbit) Up to 140m using Belden 1694A (1.485GHz)
Control	Local configuration and audio group selection via dip switches and local matrix display. Full remote control / status monitoring possible when using a LYNX controller option.
Status Monitoring	Module edge LED indicators for a variety of parameters
Electrical Specifications	
Operating Voltage	12 VDC
Power Consumption	< 7W
Safety	IEC 60950/ EN 60950/VDE 0805
Mechanical	
Size	283mm x 78mm
Weight	CardModule 120g, connector plate 50g
Ambient	
Temperature	5°C to 40°C Maintaining specifications
Humidity	90% Max non condensing

Specifications subject to change

Settings and Control

Local Settings	
Crossbar config	Assign audio. <i>Note: AES (stereo) crossbar in local</i>
Restore factory defaults	YES/NO
Additional Settings Available from Control System	
Mono Crossbar	Access to mono crossbar functionality

On Board Indicators / LEDs	
SDI input status	Present / Not present
AES input Status	AES present / No AES present
General Alarm Indicator	- 3 color

Ordering Information

Model #	Part Number	Description	Includes
P DX 5268 B	6155005268	SD/HD 8 x AES Audio De-embedder (BNC)	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual
P DX 5268 D	6155015268	SD/HD 8 x AES Audio De-embedder (SubD)	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual