

DVD 5410

12G / 6G / 3G / HD

12G

SERIES 5000

CardModules

12G-SDI 1x8 Distribution Amplifier

Description

The DVD 5410 is a low cost fixed 1x8 utility distribution amplifier. This module is ideally suited for demanding digital multi-format broadcast and professional applications.

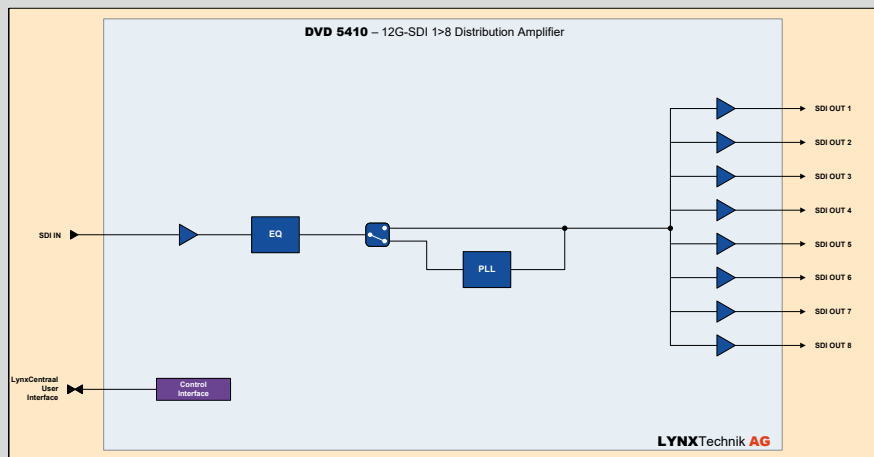
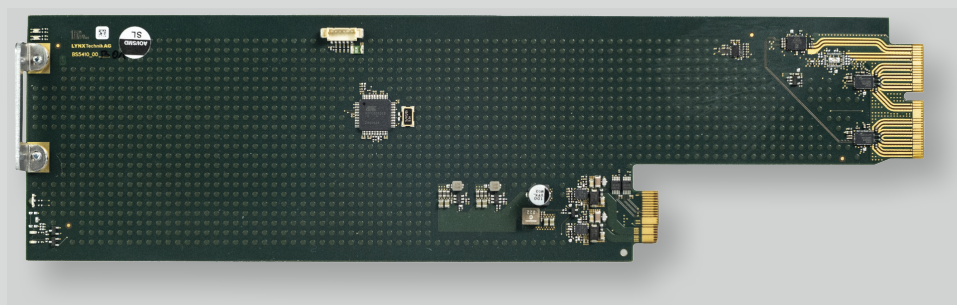
The module auto-detects the input video standard with support for all SDI video formats up to 12G-SDI. It automatically reclocks the outputs to the SDI input.

Internal settings can be modified via LynxCentraal.

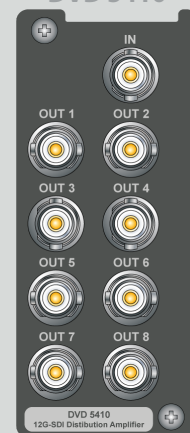
Remote control, status monitoring and error reporting is possible when using the LynxCentraal.

Features

- Supports video formats up to 12G-SDI
- Fixed 1x8 configuration
- Reclocking on SDI input
- Auto-detect input video standard
- High Return Loss in 4K/UHD
- Remote control, status monitoring and error reporting when used with LynxCentraal
- Full SNMP support when used with master controller option
- Hot Swappable



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12G-SDI 1x8 Distribution Amplifier

Specifications

Video Inputs

Signal Type	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 2081-1, SMPTE 2082-1
Video Standard	All formats up to 4K DCI 60fps
Input level	0.8V peak to peak
Input Impedance	75 Ohms
No. Of inputs	1
Connector	BNC
Return loss	> 15dB (1.485Gbit/s) > 10dB (2.97Gbit/s) > 4dB (11.88Gbit/s)

Video Outputs

Signal Type	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 2081-1, SMPTE 2082-1
Video standard	Follows input
Output level	0.8V peak to peak
Output impedance	75 Ohm
No. Of Outputs	8
Connector	BNC
Return loss	> 15dB (1.485Gbit) > 10dB (2.97Gbit) > 4dB (11.88Gbit/s)
Jitter	< 0.20 UI (270Mbit) < 1.0 UI - Timing Jitter - (1.485Gbit - 2.97Gbit) < 0.20 UI - Alignment Jitter - (1.485Gbit - 2.97Gbit) < 2.0 UI - Timing Jitter - (11.88Gbit)

Performance

Cable equalization	Up to 320m using Belden 8281 (270Mbit) Up to 150m using Belden 1694A (1.485Gbit) Up to 120m using Belden 1694A (2.97Gbit) Up to 40m using Belden 1694A (11.88Gbit)
Control	Remote control via LynxCentraal
Status monitoring (LED)	Module edge LED indicators

Operation modes

Single channel	Fixed 1x8 operation
Re-clocking	Always re-clocking

Electrical Specifications

Operating Voltage	12V DC
Power Consumption	8W
Safety	IEC 60950/ EN 60950/ VDE 0805

Mechanical

Size	283mm x 78mm
Weight	CardModule 120g, connector plate 50g

Ambient

Temperature	5 to 40 °C (41 - 104 °F) Maintaining specifications
Humidity	90% Max non condensing

On Board Indicators / LEDs

Signal Present / No Input
General Alarm Indicator – 2 Color LED

Ordering Information

Model #	Description	Includes
DVD 5410	12G-SDI 1x8 SDI Distribution Amplifier	CardModule, Backplane + Mounting Screws