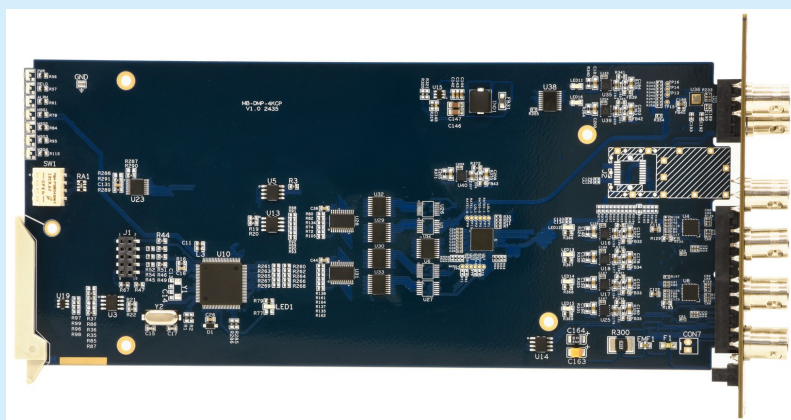# DVD-4214

12G-SDI Video Distribution Amplifier with Built-in Crosspoint
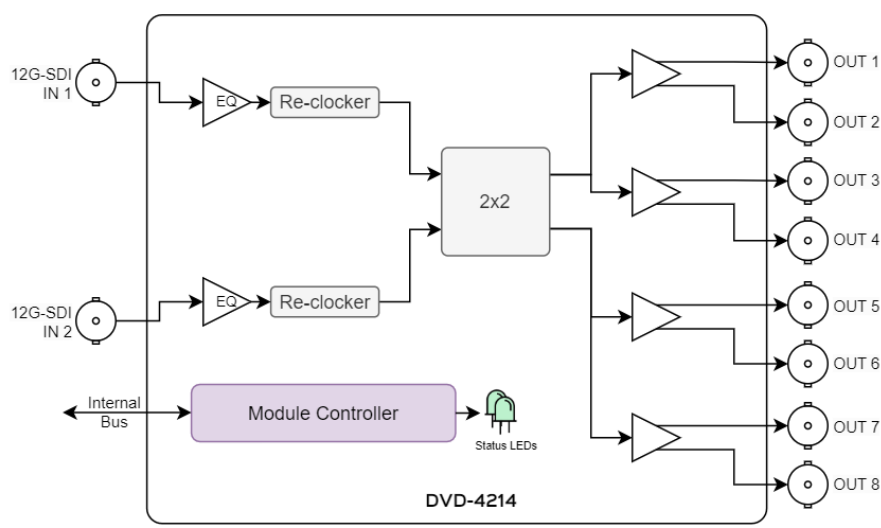
2025 Datasheet

The DVD-4214 is a reliable and versatile video distribution amplifier that supports various video signal formats such as 12G, 6G, 3G, HD, SD-SDI, and DVB-ASI. It can be configured as either a single channel 1-to-8 or a dual channel 1-to-4 module. The built-in 2x2 crosspoint adds to its flexibility, allowing users to select which input they desire in single channel mode or swap inputs of two channels in double channel mode. Moreover, the device features automatic carrier-sensitive change-over, which provides high reliability at an affordable cost.

The module is equipped with re-clocker to remove jitter and equalizers to compensate for cable loss, which are its essential features. Optionally, to ensure signal continuity in case of power failure, each input signal is routed to one of the outputs via bypass relays.

The module can be easily monitored and controlled using onboard DIP switches or the web-based user interface. The front edge of the module has LED indicators that provide information about its operational status.

Key Features

- Dual channel operation with built-in 2x2 crosspoint
- Format agnostic (270 Mbps - 12 Gbps)
- Supports SMPTE ST 2082, ST 2081, 424M, 292M, and 259M standards
- Web-based user interface
- Detection of the input signal format
- Re-Clocking for jitter removal
- Cable loss compensation (12G-SDI: 80 meters, Belden 4794R)
- Hot swappable
- Trasnparent to anciallary and audio data
- Status LED indicators

Block Diagram

System Requirements

Type	Product	Description
Frame	SRM-0655	3RU Frame with Controller

Ordering Information

Product	Description	Type
DVD-4214	12G-SDI Video Distribution Amplifier with Built-in Crosspoint Main Board	Main Board
DVD-4214-3DRP-R	Double Slot Back-panel with Bypass Relay for DVD-4214 (compatible with SRM-0655)	Back-panel
DVD-4214-3DRP	Double Slot Back-panel for DVD-4214 (compatible with SRM-0655)	Back-panel
DVD-4214-3SRP-H	Single Slot Back-panel for DVD-4214 (HD-BNC Connectors, compatible with SRM-0655)	Back-panel

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