

IQSDA31

Dual Channel 3G/HD/SD-SDI Equalizing Distribution Amplifier

The IQSDA31 provides dual inputs with 3 outputs per input for distribution of HD-SDI 3 Gbit/s and 1.5 Gbit/s or 270 Mbit/s SD-SDI signals in a single width package.

Features

- Dual channel 3G-HD, HD-SDI, SD-SDI and wide-band distribution amplifier
- Equalizes SDI signals from 270 Mbit/s up to 3 Gbit/s
- Extremely compact – up to 32 channels in 3RU - for use where space is at a premium

Why should you choose this module?

- The IQSDA31 is extremely space efficient providing an incredible density of HD/SD-SDI outputs and distribution channels at 32 per rack unit and 10.6 per rack unit respectively
- Suitable for local fan out distribution applications

Order codes



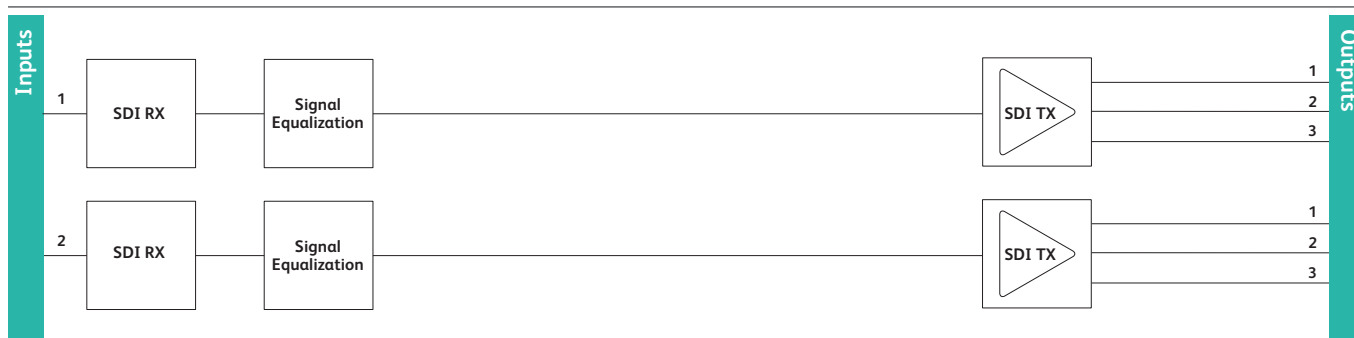
IQSDA3147-1A3, IQSDA3147-1B3

Dual Channel 3G/HD/SD-SDI Equalizing Distribution Amplifier. 2 inputs, 3 outputs per input.



IQSDA3161-1A3, IQSDA3161-1B3

Dual Channel 3G/HD/SD-SDI Equalizing Distribution Amplifier with relay input bypass. 2 inputs, 2 outputs per input.



Block Diagram for IQSDA3147-1A3

Technical Specification

Inputs and Outputs

Signal Input

SDI inputs 2x
 Input cable length Up to 250m Belden 1694A @ 270 Mbit/s
 Up to 100m Belden 1694A @ 1.5 Gbit/s
 Recommended for local fan out distribution only at 3 Gbit/s

Signal Outputs

SDI outputs x 3 per input

Controls

Indicators

Power OK (Green)

Card Edge Controls

Slew rate switch SD/HD

RollCall Functions

N/A

Specifications

Electrical 1.5Gbit/s HD-SDI, SMPTE 292M
 270 Mbit/s SDI, SMPTE 259M-C
 Connector / format BNC/ 75ohm panel jack on standard SAM connector panel
 Return loss >-15dB (270Mbit/s, 1.5Gbit/s)
 >-10dB (3Gbit/s)

Power Consumption

Module power consumption 3 W Max (A frames)
 4 W Max with relay rear (A frames)
 3 PR Max (B Frames)
 3 PR Max with relay rear (B frames)