

IQSDA31

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

Extremely space-efficient solution offering dual inputs with three outputs per input in a single-width package.

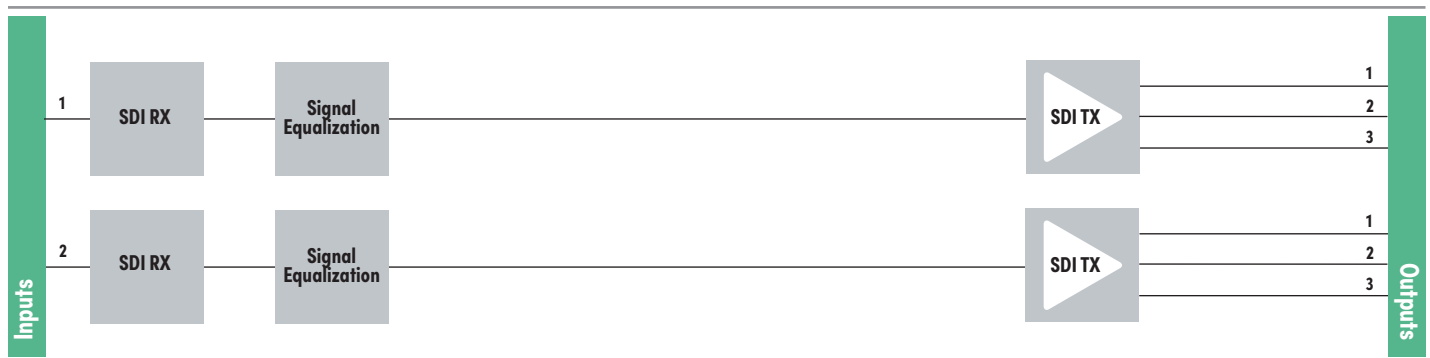
The IQSDA31 from Grass Valley provides dual inputs with three outputs per input for distribution of HD-SDI 3 Gb/s and 1.5 Gb/s or 270 Mb/s SD-SDI signals in a single-width package.

Why should you choose this module?

- The IQSDA31 is extremely space efficient, providing an incredible density of 32 channels in a 3 RU space
- Suitable for local fanout distribution applications

Key Features

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



Block Diagram for IQSDA3147-1A3.

Specifications

Inputs and Outputs

Signal Input

SDI inputs: 2x

Input cable length:

- Up to 250m Belden 1694A @ 270 Mb/s
- Up to 100m Belden 1694A @ 1.5 Gb/s
- Recommended for local fanout distribution only at 3 Gb/s

Signal Outputs

SDI outputs: 3x per input

Controls

Indicators

Power: OK (Green)

Card Edge Controls

Slew rate switch: SD/HD

Remote Control Functions: N/A

General Specifications

Electrical:

- 1.5 Gb/s HD-SDI, SMPTE ST 292
- 270 Mb/s SDI, SMPTE ST 259-C

Connector/format: BNC/75Ω panel jack on standard GV connector panel

Return loss:

- > -15 dB (270 Mb/s, 1.5 Gb/s)
- > -10 dB (3 Gb/s)

Power Consumption

Module power consumption:

- 3W Max. (A frames)
- 4W Max. with relay rear (A frames)
- 3 PR Max. (B Frames)
- 3 PR Max. with relay rear (B frames)

Ordering

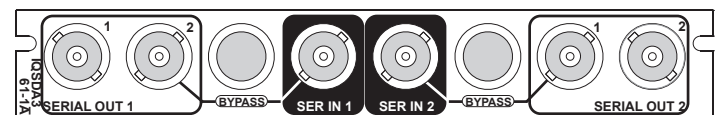
IQSDA3147-1A3, IQSDA3147-1B3

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.



This product may be protected by one or more patents. For further information, please visit: www.grassvalley.com/patents

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