

# 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.

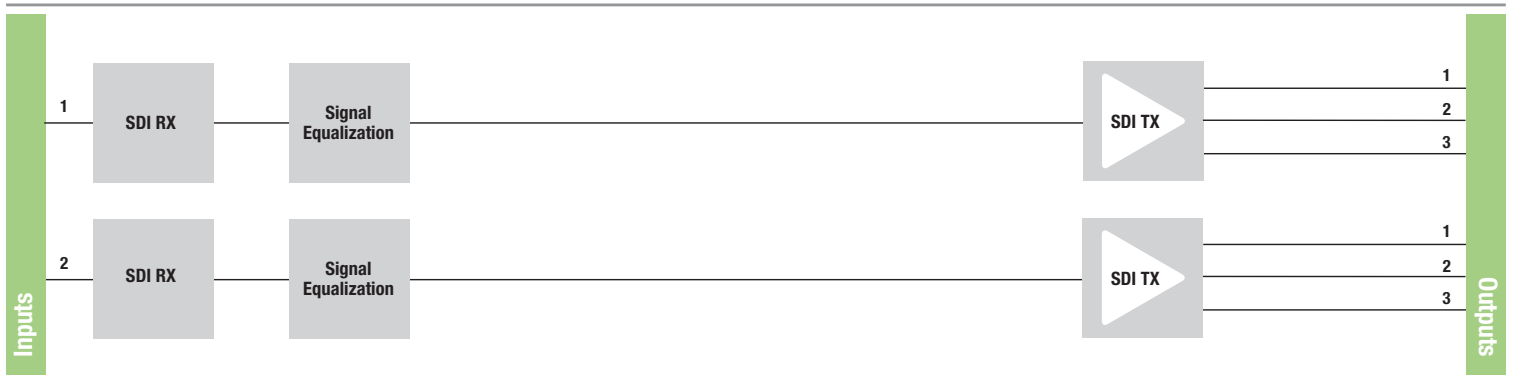
The IQSDA31 from Grass Valley provides dual inputs with three outputs per input for distribution of HD-SDI 3 Gb/s and 1.5 Gb/s or 270 Mb/s SD-SDI signals in a single-width package.

### 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

RollCall 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:

&gt; -15 dB (270 Mb/s, 1.5 Gb/s)

&gt; -10 dB (3 Gb/s)

## Power Consumption

Module power consumption:

3W Max. (A frames)

4W Max. with relay rear (A frames)

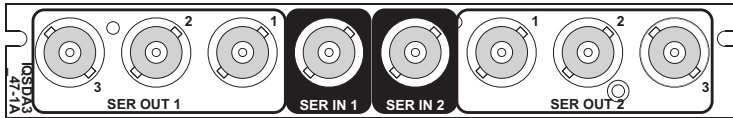
3 PR Max. (B Frames)

3 PR Max. with relay rear (B frames)

## ORDERING

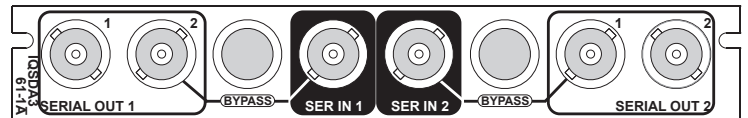
## IQSDA3147-1A3, IQSDA3147-1B3

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.



DS-PUB-2-0888A-EN



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