



OG-3GDA-2x4

The OG-3GDA-2x4 is an openGear compatible, state of the art 3G-SDI distribution amplifier. The incoming 3G-SDI signals on the input channels are automatically equalized and the outputs are automatically relocked to four 3G-SDI outputs each or alternatively can function as a 1x 8-channel DA, allowing the same signal to be sent to eight destinations simultaneously. This dual input capability allows double the number of DAs in limited frame space. A 10x BNC rear connector module is included.

Designed for use in high density openGear 2RU frames including AJA's OG-X-FR frame, new DashBoard software support on Windows, macOS and Linux offers remote control and monitoring of the openGear architecture and provides convenient and industry standard configuration, monitoring and control options over a PC or local network.

<https://www.aja.com/products/og-3gda-2x4>

Video Formats

- 150 Mbps - 3 Gbps, format agnostic

Video Input Digital

- 1x 3G-SDI BNC (1x8 mode), SMPTE-259/292/424
- 2x 3G-SDI BNC (2x4 mode), SMPTE-259/292/424

Video Output Digital

- 8x 3G-SDI BNC, SMPTE-259/292/424
 - 4x outputs noninverting (1x8 mode)
 - 2x outputs noninverting for each DA (2x4 mode)

Cable Equalization

(Belden 1694A coax)

- 270 Mbps, 350m
- 1.5 Gbps, 200m
- 3 Gbps, 120m

Relocking

- 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select

- All other rates are passed through and not relocked

User Controls

- openGear DashBoard network control software via Windows, macOS or Linux

Size (w x d x h)

- openGear standard form-factor, front slot and rear card
- Slots: Two slots required for each card

Weight

- 0.5 lb (0.3 kg)

Power

- openGear frame compatible, 2.6 watts max per card

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)