OG-3G-AMD

The OG-3G-AMD is a state of the art, openGear compatible, 8-channel AES audio embedder/disembedder with support for 3G-SDI input and output up to 1080p 60. Simple user controls allow channel enabling and mapping. A 10x BNC rear openGear connector module is included.

$999 US MSRP

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-3g-amd

Video Formats

- 1x 3 Gb SDI (level A or B)
  - (2K) 2048x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
  - (2K) 2048x1080PsF 23.98, 24, 25, 29.97, 30
  - (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
  - (HD) 1920x1080PsF 23.98, 24, 25, 29.97, 30
  - (HD) 1920x1080i 50, 59.94, 60
  - (HD) 1280x720p 50, 59.94, 60
- 1x 1.5 Gb SDI
  - (2K) 2048x1080p 23.98, 24, 25, 29.97, 30
  - (2K) 2048x1080PsF 23.98, 24, 25, 29.97, 30
  - (HD) 1920x1080p 23.98, 24, 25, 29.97, 30
  - (HD) 1920x1080PsF 23.98, 24, 25, 29.97, 30
  - (HD) 1920x1080i 50, 59.94, 60
  - (HD) 1280x720p 50, 59.94, 60
- 1x 270 Mb SDI
  - (SD) 625i
  - (SD) 525i
- RGB and YCbCr, 4:4:4/4:2:2, 10-bit

Video Input Digital

- 1x 3G-SDI BNC, SMPTE-259/292/424
  - Single Link SD/HD/2K
  - Single Link 3G-SDI Level A, Level B (Dual Link or Dual Stream), SMPTE 425

Video Output Digital

- 1x 3G-SDI BNC, SMPTE-259/292/424
  - Single Link SD/HD/2K
  - Single Link 3G-SDI Level A, Level B (Dual Link or Dual Stream), SMPTE 425

Audio Input Digital

- 4x BNC, AES3id

Audio Output Digital

- 4x BNC, AES3id

Audio Data Formats

- AES3 2003
- SMPTE ST 337

Digital Audio Converters

- 24-bit

Embedded Audio

- SDI embedded audio, 24-bit, 16-channel*
- SMPTE ST 272 (SD): 20-bit, 48 KHz synchronous
- SMPTE ST 299 (3G/HD): 24-bit, 48 KHz synchronous
- Incoming embedded audio can be passed, removed, or overridden

*2048x1080p/PsF 29.97 and 30 formats support a maximum of 8-channels embedded audio

Embed Path Audio Latency

(Time measured between audio input and video output connector):
- 1500 usec (SRC ON)
- 400 usec (SRC OFF)

Disembed Path Audio Latency

(Time measured between video input and audio output connector):
- 210 usec

User Interface

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

Size (w x d x h)

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

Weight

- 0.5 lb (0.3 kg)

Power

- openGear frame compatible, 5.0 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)