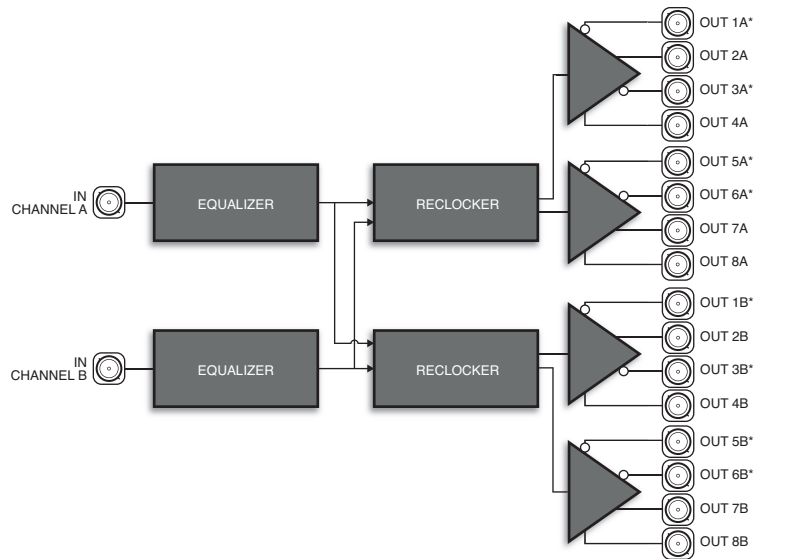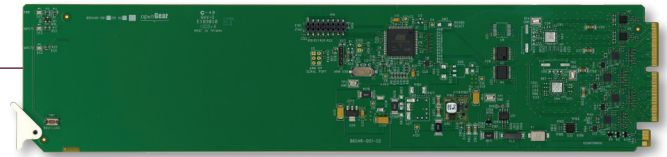# DRA-8804 3G HD SD ASI

Dual High Performance 3G Reclocking Distribution Amplifier

2 independent channels of 3G / HD / SD SDI distribution, configurable as an 1x16 with A/B input failover protection.

The DRA-8804 is a 2 channel, 3G distribution amplifier, redesigned using the latest technology and optimized to achieve the industry's best EQ performance offering cable lengths up to 120m at 3G. Equalization and reclocking is performed on all common serial digital signals, including 3G / HD / SD SDI. Non-inverting output drivers, using the -R2 rear module, makes this ideal for distributing DVB-ASI signals as well.

With up to 8 outputs per independent input channel, the DRA-8804 can be used in space critical environments as a dual 1x8 DA, when paired with the –R2H HD-BNC rear module. This configuration allows for up to 20 1x8 DAs in a single openGear® frame, using 10 cards. With the standard 10 BNC rear module, -R2, the DRA-8804 operates as a dual 1x4 distribution amplifier utilizing all the non-inverting outputs.

Each channel is fully independent, and can run at different data rates. LED indicators at the front of the module identify the presence of incoming video, and the data rate for each independent channel.

The DRA-8804 can be configured as a single 1x16 DA and enabled with A/B input failover protection to use a backup input source when the primary input source is lost.

IN CHANNEL A → EQUALIZER → RECLOCKER → OUT 1A* OUT 2A OUT 3A* OUT 4A OUT 5A* OUT 6A* OUT 7A OUT 8A

IN CHANNEL B → EQUALIZER → RECLOCKER → OUT 1B* OUT 2B OUT 3B* OUT 4B OUT 5B* OUT 6B* OUT 7B OUT 8B

* Only 4 outputs per channel are available when using the -R2 rear module.

Key Features

- 2 independent channels of SDI distribution on one card
- Equalizes and reclocks all SDI signals from 143Mb/s to 2.97Gb/s
- Non-inverting outputs, using the -R2 rear module, perfect for DVB-ASI distribution
- Input EQ 3G- 120m @2.97Gb, HD - 200m @1.485Gb, SD -500m @270Mb
- Configurable to 1x16 with A/B input failover protection (using –R2H rear module)
- Automatic detection of incoming data rate
- Standard BNC and HD-BNC rear module I/O options
- Up to 20 channels of 1x8 distribution in a single frame
- LED indicators for signal presence and data rate for each channel
- Excellent input / output return loss specifications
- 10 DRA-8804 cards in the OG3-FR frames
- 5-year transferable warranty

Ordering Information

Dual High Performance 3G Reclocking DA	
DRA-8804	Dual 3G Reclocking DA

Rear Module Suffix (ex: [model]-R2)	
-R2	10 BNC Rear Module for Dual 1x4
-R2H	18 HD-BNC Rear Module for Dual 1x8

IN CH A — IN CH B
OUT 1A 3 — OUT 1B 4
OUT 2A 5 — OUT 2B 6
OUT 3A 7 — OUT 3B 8
OUT 4A 9 — OUT 4B 10

DRA-8804-R2

IN CH A 1 — IN CH B 2
OUT 1A 3 — OUT 1B 4
OUT 2A 5 — OUT 2B 6
OUT 3A 7 — OUT 3B 8
OUT 4A 9 — OUT 4B 10
OUT 5A 11 — OUT 5B 12
OUT 6A 13 — OUT 6B 14
OUT 7A 15 — OUT 7B 16
OUT 8A 17 — OUT 8B 18

DRA-8804-R2H