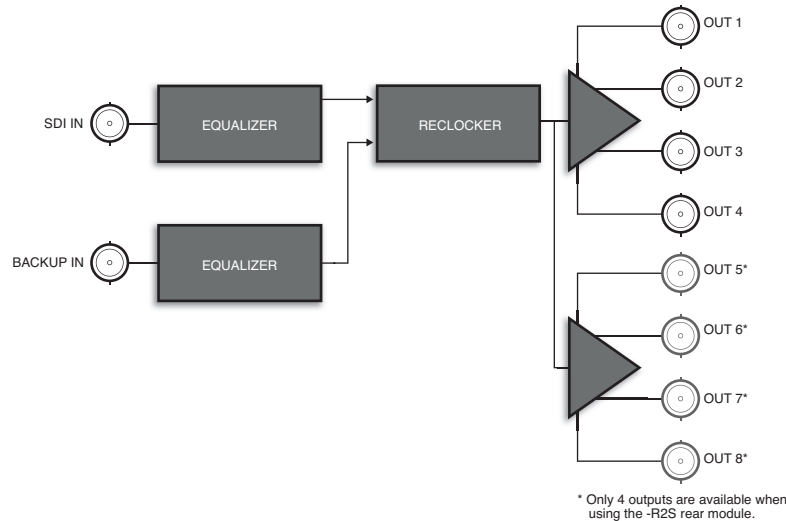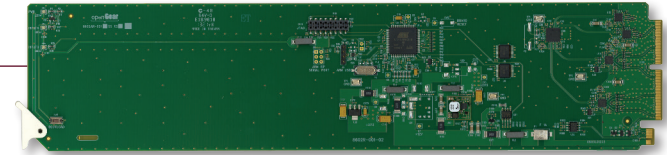# SRA-8802 `3G` `HD` `SD` `ASI`

High Performance, 3G Reclocking Distribution Amplifier
High density 3G / HD / SD SDI reclocking distribution amplifier with A/B input failover protection.

OUT 1
OUT 2
OUT 3
OUT 4
OUT 5*
OUT 6*
OUT 7*
OUT 8*

SDI IN → EQUALIZER → RECLOCKER
BACKUP IN → EQUALIZER

* Only 4 outputs are available when using the -R2S rear module.

The SRA-8802 is a single 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 make this ideal for distributing DVB-ASI signals as well.

SRA-8802 can be used as a 1x8 DA, using the standard –R2, 10 BNC rear module, or as an 1x4 DA when paired with the –R2S split rear module. This configuration allows for up to 20 1x4 DAs in a single openGear® frame, using 20 cards.

With the A/B input failover protection enabled, the SRA-8802 can use a backup input source when the primary input source is lost. The –R2 standard rear module is required for A/B input failover protection. LED indicators at the front of the module identify the presence of incoming video, and the data rate for each independent channel.

The SRA-8802 is the first DA from Ross Video that can be ordered with the new -R2R back module. This back module adds a relay bypass protection circuit from the input to first output which engages upon catastrophic failure or from front card removal to protect the critical signal path.

Key Features
- 1x8 / 1x4 distribution amplifier
- Equalizes and reclocks all SDI signals from 143Mb/s to 2.97Gb/s
- Non-inverting outputs perfect for DVB-ASI distribution
- Input EQ 3G- 120m @2.97Gb, HD - 200m @1.485Gb, SD -500m @270Mb
- A/B input failover protection (using –R2 rear module)
- Automatic detection of incoming data rate
- Standard and split rear module I/O options
- Optional bypass relay using the -R2R rear module
- Standard, split and bypass relay rear module I/O options
- Up to 10 channels of 1x8 or 20 channels of 1x4 in a single frame
- LED indicators for signal presence and data rate for each channel
- Excellent input / output return loss specifications
- Up to 20 SRA-8802 cards in the OG3-FR frames (using –R2S rear modules)
- 5-year transferable warranty

Ordering Information

High Performance, 3G Reclocking DA

SRA-8802	3G / HD / SD SDI Reclocking DA

Rear Module Suffix (ex: [model]-R2)

-R2	Rear Module for 1x8 with A/B Input Failover Protection
-R2S	Split Rear Module for 2x SRA-8802 (1x4)
-R2R	Rear Module w/ Relay Bypass

SDI IN 1
BACKUP IN 2
OUT 1 — 3
OUT 2 — 4
OUT 3 — 5
OUT 4 — 6
OUT 5 — 7
OUT 6 — 8
OUT 7 — 9
OUT 8 — 10
SRA-8802-R2

CARD 2 CARD 1
SDI IN 1
SDI IN 2
OUT 1 — 3
OUT 1 — 4
OUT 2 — 5
OUT 2 — 6
OUT 3 — 7
OUT 3 — 8
OUT 4 — 9
OUT 4 — 10
SRA-8802-R2S