

7700DA7-HD

HD/SD-SDI Reclocking Distribution Amplifier

The 7700 HD series Distribution Amplifiers provide reliable distribution of your 1.5Gb/s HDTV and 270Mb/s Standard Definition serial digital signal. The 7700DA7-HD features one auto-equalized input with seven reclocked outputs. It is housed in the Evertz® 7800FR Multiframe, which is available in either a 3RU or 1RU version.

►Features & Benefits

- Reclocking mode for SMPTE 292M (1.5Gb/s), SMPTE 259M (270Mb/s), DVB-ASI auto sensing
- Non-reclocking mode for SMPTE 310M (also SMPTE 259M, 292M)
- VistaLINK® control

Status LEDs

- Signal presence
- Module Health Status

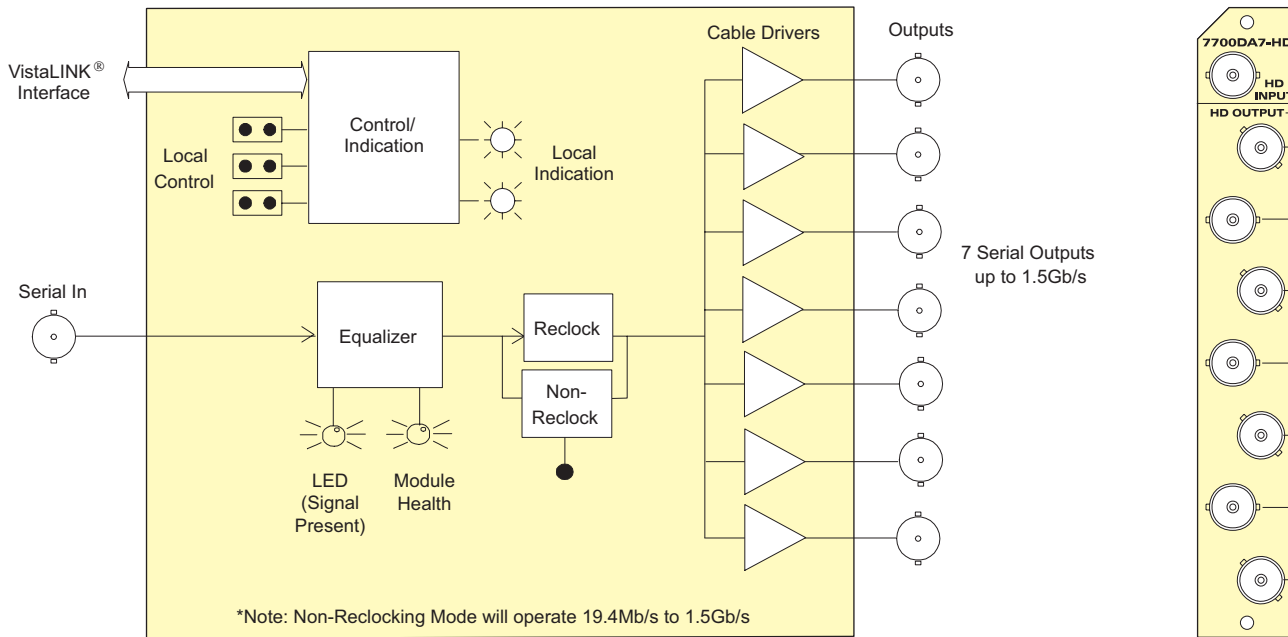
The DA has been designed to reclock at 1.5Gb/s and 270Mb/s. In non-reclocking mode it can be used as a SMPTE 310M or SMPTE 259M/292M distribution product.

Input

- SMPTE 292M (1.5Gb/s) Reclocking mode
- SMPTE 259M (270Mb/s) DVB-ASI Reclocking mode
- SMPTE 310M - Non-reclocking mode
- Auto equalization to 100m (Belden 1694A)

Output

- 7 reclocked outputs
- Wideband jitter < 0.2 UI



►Specifications

Serial Video Input:

Standard: SMPTE 292M, SMPTE 259M-A, B, C, D, DVB-ASI or M2S
 In Non-Reclock Mode: SMPTE 310M (also SMPTE 259M, 292M)
 Connector: 1 BNC per IEC 61169-8 Annex A
 Equalization: Automatic to 100m @ 1.5Gb/s with Belden 1694A (or equivalent)
 Return Loss: > 15dB to 1.5Gb/s

Serial Video Outputs:

Number of Outputs: 7 Per Card
 Standard: SMPTE 292M, SMPTE 259M-A, B, C, D M2S, DVB-ASI
 In Non-Reclock Mode: SMPTE 310M (also SMPTE 259M, 292M)
 Signal Level: 800mV nominal
 DC Offset: 0V ±0.5V
 Rise and Fall Time: 200ps nominal
 Overshoot: < 10% of amplitude
 Return Loss: > 15dB to 1.5Gb/s
 Wideband jitter: < 0.2 UI

Physical (number of slots):

350FR: 1
 7700FR-C: 1
 7800FR: 1

Electrical:

Voltage: +12V DC
 Power: 5W
 EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive

►Ordering Information

7700DA7-HD	HD/SD-SDI Reclocking Distribution Amplifier (1x7)
Ordering Options	Rear Plate must be specified at time of order Eg: Model +3RU
Rear Plate Suffix	
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Enclosures

350FR 3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C 3RU Multiframe which holds up to 15 single slot modules
7800FR 3RU Multiframe which holds up to 15 single slot modules
7701FR 1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR Standalone enclosure