

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 7700FR-C Multiframe, which is available in either a 3RU or 1RU version.

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.

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

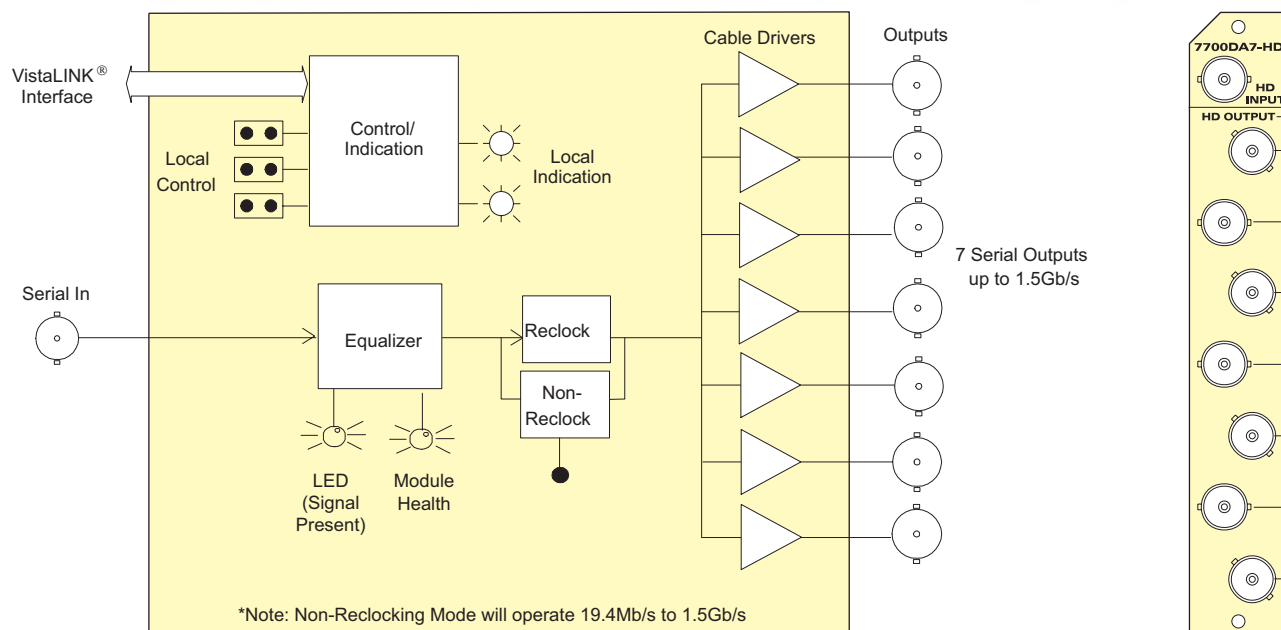
- Signal presence
- Module Health Status

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 60169-8 Amendment 2

Equalization: Automatic to 100m @ 1.5Gb/s with Belden 1694A (or equivalent)

Return Loss: > 15dB to 1.56Gb/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 1.56Gb/s

Wideband jitter: < 0.2 UI

Physical:

Number of Slots: 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 7700FR-C Multiframe
+1RU 1RU Rear Plate for use with 7701FR Multiframe
+SA Standalone Enclosure Rear Plate

Enclosures

7700FR-C
7701FR
S7701FR

3RU Multiframe which holds up to 15 single slot modules
1RU Multiframe which holds up to 3 single or dual slot modules
Standalone enclosure