

7700DA7

143-540Mb/s, DVB-ASI & SMPTE 310M Reclocking Distribution Amplifier

The 7700 series Distribution Amplifier provides inexpensive distribution of your serial digital video signal at rates of 19.4Mb/s and 143Mb/s to 540Mb/s. The 7700DA7 features an auto-equalized input with seven reclocked outputs.

It has been designed for use as a SMPTE 310M (19.4Mb/s), DVB-ASI, M2S or SMPTE 259M distribution product. SMPTE 310M support is selected by setting a rate select jumper.

Features & Benefits

- Supports up to 540Mb/s operation
- DVB-ASI compatible
- Non-reclocking mode for SMPTE 310M
- Features independent isolated output drivers to ensure no cross channel loading effects (i.e. no need to terminate unused outputs)
- VistaLINK® capable offering remote monitoring, control and configuration capabilities via SNMP
- VistaLINK® is available when modules are used with the 3RU 7700FR-C frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame

Outputs

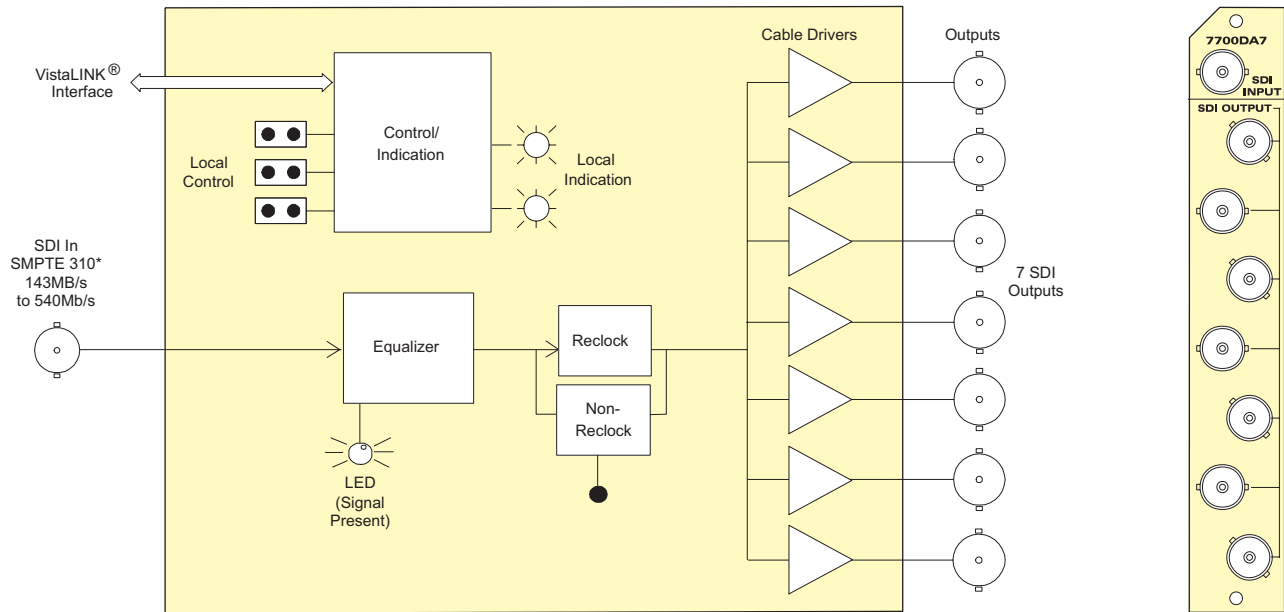
- 7 reclocked outputs
- Return loss > 15dB up to 540Mb/s
- Wideband jitter < 0.2 UI

Card Edge LEDs

- Signal presence
- Module Health Status

Input

- SMPTE 259M (143Mb/s to 540Mb/s), DVB-ASI, M2S, SMPTE 310M (19.4Mb/s) - Non-reclocking mode
- Return loss > 15dB up to 540Mb/s
- 300m auto equalization at 270Mb/s (Belden 8281)
- 210m auto equalization at 540Mb/s (Belden 8281)



*Note: Non-Reclocking Mode will operate 19.4Mb/s to 540Mb/s

Specifications

Serial Video Input:

Standard: SMPTE 259M A, B, C, D, DVB-ASI, M2S, SMPTE 310M (19.4Mb/s -jumper selected)
Connector: BNC per IEC 60169-8 Amendment 2
Equalization: Automatic to 300m @ 270Mb/s with Belden 8281 (or equivalent)
Return Loss: > 15dB up to 540Mb/s

Serial Video Output:

Number of Outputs: 7
Connector: BNC per IEC 60169-8 Amendment 2
Signal Level: 800mV nominal
DC Offset: 0V ±0.5V
Rise and Fall Time: 740ps nominal
Overshoot: < 10% of amplitude
Return Loss: > 15dB up to 540Mb/s
Wideband Jitter: < 0.2 UI

Physical:

Number of Slots: 1

Electrical:

Voltage: +12V DC
Power: 6W
EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive

Ordering Information

7700DA 7143-540Mb/s, DVB-ASI, SMPTE 310M, M2S 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