

7700DA7

143-540Mb/s & DVB-ASI Reclocking, SMPTE 310M Non-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.

The 7700DA7 occupies one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame which will hold up to 7 modules or a standalone enclosure that will hold 1 module.

►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

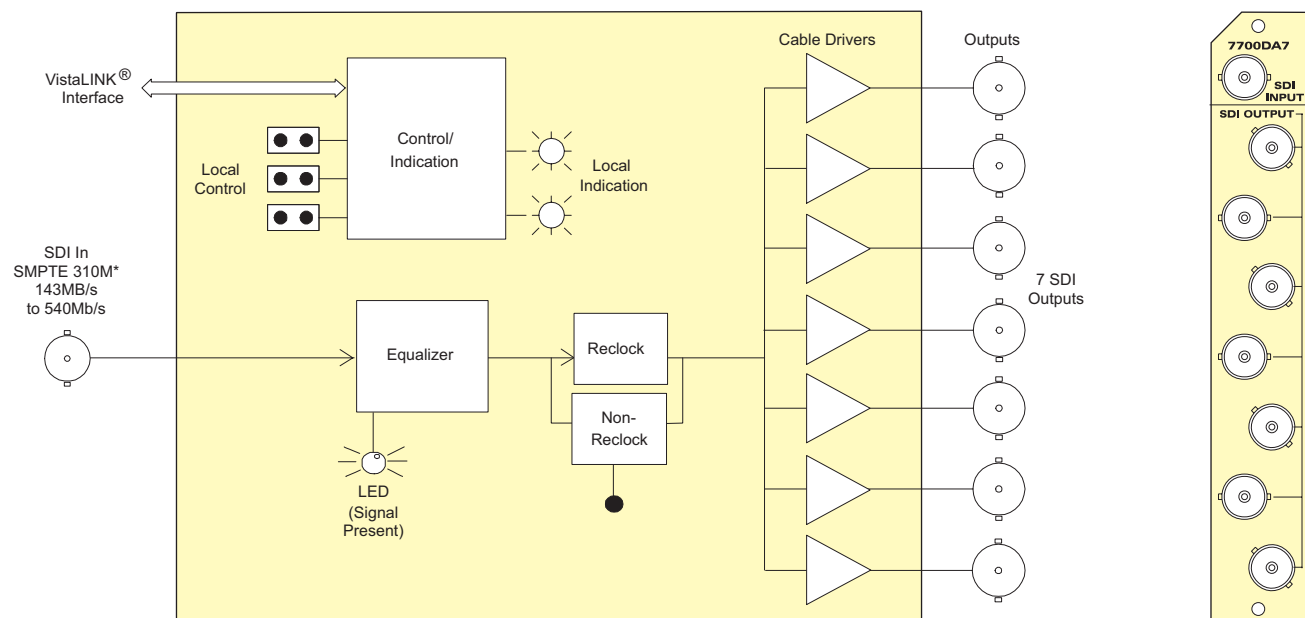
- 7 reclocked outputs
- Return loss > 15dB up to 540Mb/s
- Wideband jitter < 0.2 UI

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)



►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 61169-8 Annex A

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 61169-8 Annex A

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):

350FR: 1

7700FR-C: 1

7800FR: 1

Electrical:

Voltage: +12V DC

Power: 6W

EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive

►Ordering Information

7700DA7 143-540Mb/s & DVB-ASI Reclocking, SMPTE 310M Non-reclocking Distribution Amplifier

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

