



7700DA6-L

SD-SDI Reclocking Distribution Amplifier with Loop Thru

The 7700DA6-L is an inexpensive 1x6 SD-SDI Distribution Amplifier with passive loop thru which allows for cascading of multiple DA cards. It amplifies serial digital video signal at rates of 19.4 Mb/s and 143 Mb/s to 540 Mb/s.

The 7700DA6-L features an auto-equalized input with 6 reclocked outputs. The 7700DA6-L has been designed for use as a SMPTE 310M (19.4 Mb/s), DVB-ASI,

M2S or SMPTE 259M distribution product. SMPTE 310M support is selected by setting a rate select jumper.

The 7700DA6-L occupies one card slot in the 3RU frame, which will hold up to 15 modules or the 1RU frame, which will hold up to three modules.

Features & Benefits

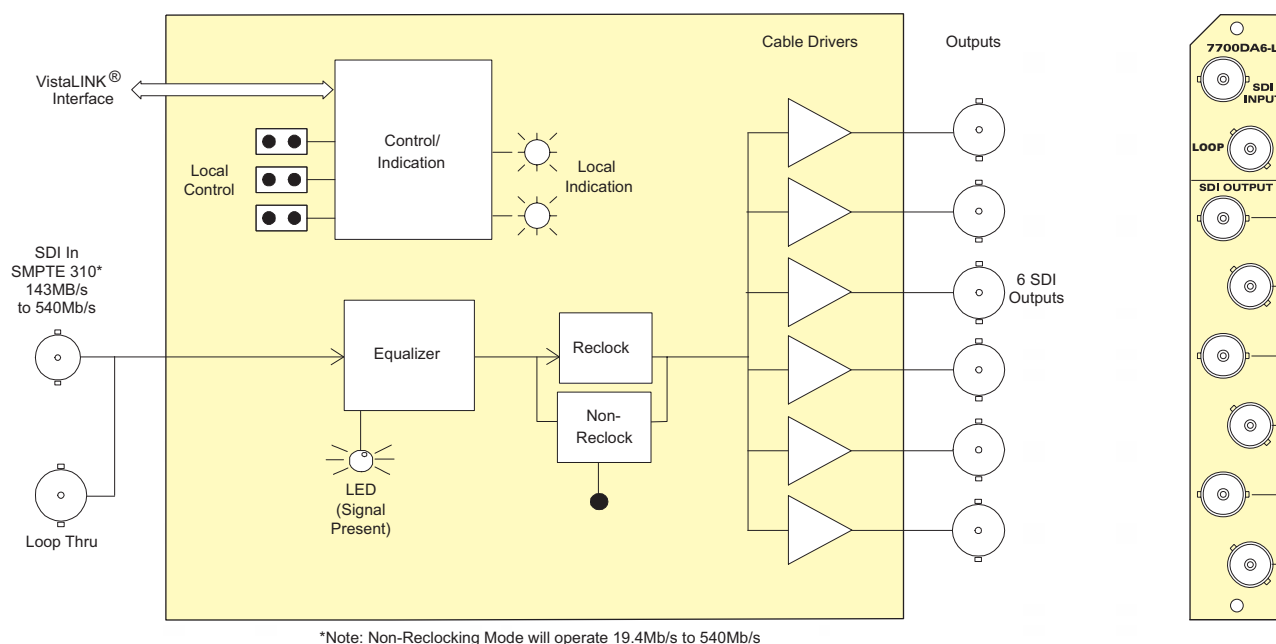
- Supports up to 540Mb/s operation
- DVB-ASI compatible
- Non reclocking mode for SMPTE 310M
- Features independent isolated output drivers to ensure no cross channel loading effects (i.e. no need to terminate unused outputs)
- VistaLINK® - capable offering remote monitoring, control and configuration 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
- Return loss > 15dB up to 540Mb/s
- 300m auto eq. at 270Mb/s (Belden 8281)
- 210m auto eq. at 540Mb/s (Belden 8281)

Outputs:

- 6 reclocked outputs
- 1 passive looping output
- Return loss > 15dB up to 540Mb/s
- Wideband jitter < 0.2 UI

Card Edge LEDs:

- Signal presence
- Module Health Status



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:

Reclocked Outputs: 6
Passive Looping Outputs: 1
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: >15 dB up to 540Mb/s
Wideband Jitter: <0.2 UI

Physical:

Number of Slots: 1

Electrical:

Voltage: +12VDC
Power: 6 Watts
EMI/RFI: Complies with FCC Part 15 Class A
EU EMC Directive

Ordering Information:

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SD-SDI Reclocking Distribution Amplifier with Loop Thru

Ordering Options

Rear plate must be specified at time of order
Eg: Model +3RU

Rear Plate Suffix

+3RU
+1RU
+SA

3RU Rear Plate for use with 7700FR-C Multiframe
1RU Rear Plate for use with 7701FR Multiframe
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