

7800IDA4-3G

3G/HD/SD-SDI Intelligent 1x4 Distribution Amplifier

The 7800IDA4-3G reclocking distribution amplifier provides high quality distribution of facility 3G/HD/SD-SDI signals. This module features an auto-sensing equalized input which generates eight reclocked outputs and is especially useful projects where long cables runs are encountered.

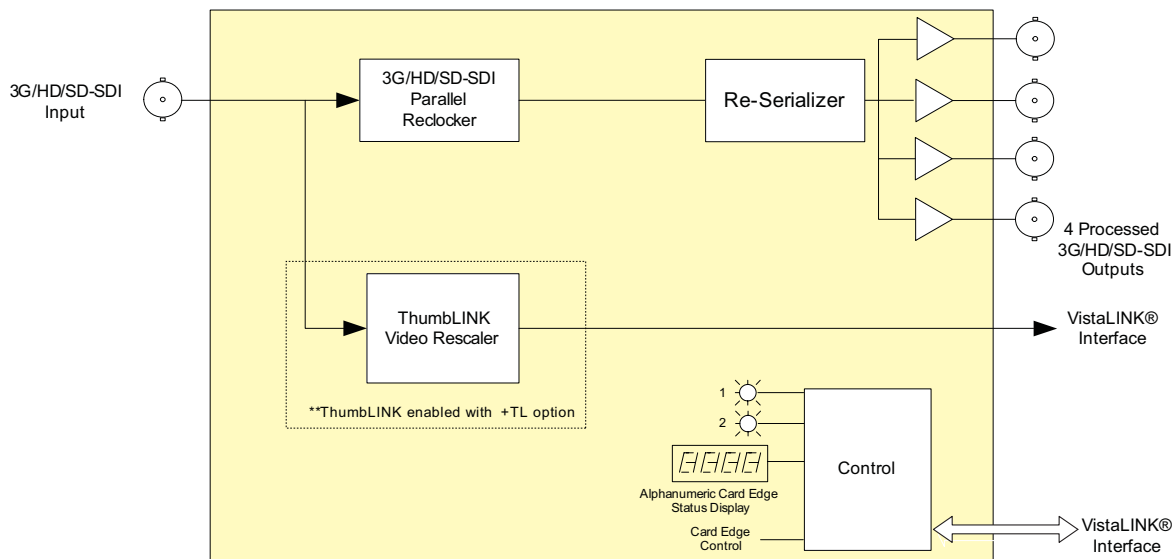
Unlike other traditional DA's on the market, this module has been designed to additionally generate thumbnail images from the input signal and stream out to the VistaLINK® Thumbnail server providing operators with real-time video confidence. The ThumbLINK functionality can be optionally ordered by adding the +TL suffix. More value to an already high performance distribution amplifier!

This device:

- Provides four reclocked outputs from the 3G/HD/SD-SDI input
- Provides enhanced signal reclocking and conditioning
- Offers thumbnail streaming via the 7700FC frame controller (+TL)

►Features & Benefits

- 3G/HD/SD-SDI input with eight reclocked outputs
- Long reach cable performance
- Optional thumbnail streaming (requires +TL option)
- Input signal presence detection
- Real time VistaLINK monitoring and trending
- High density approach offers 14 modules within 3RU



►Specifications

Serial Video Input:		Serial Video Output:		Electrical:	
Standard:	Auto-detects standard 3Gb/s SMPTE 424M 1.5Gb/s SMPTE 292M 270Mb/s SMPTE 259M	Standard:	Same as input	Voltage:	+12V DC
Connector:	BNC per IEC 61169-8 Annex A	Number of Outputs:	4	Power:	9W
Input Equalization:	Automatic	Connector:	BNC per IEC 61169-8 Annex A	EMI/RFI	Complies with FCC Regulations Class A devices Complies with EU EMC directive
Return Loss:	100m @ 3Gb/s	Signal Level:	800mV nominal	Physical (number of slots):	
	140m @ 1.5 Gb/s	DC Offset:	0V +/- 0.5V		
	300m @ 270Mb/s	Rise and Fall Time:	200ps nominal for 3G/HD-SDI 900ps nominal for SD-SDI		
Return Loss:	> 10dB up to 3Gb/s	Overshoot:	< 10% of amplitude	350FR:	1
	> 15dB up to 1.5Gb/s	Return Loss:	> 15dB at 1.5 Gb/s	7700FR-C	1
	> 20dB up to 270Mb/s	Jitter:	< 0.20 UI	7800FR	1
		Ethernet Interface:		7800FR-QT	1
		Standard:	Ethernet 10/100 base-T IEEE 802.3U standard for 100Mb/s		
		Connector:	RJ-45		
		Function:	Unused. Designed for future use		

►Ordering Information

7800IDA4-3G	3G/HD/SD-SDI Intelligent 1x4 Distribution Amplifier (7700FC required for configuration)	Rear Plate Suffix +3RU	3RU Rear Plate for use with 7700FR-C, 7800FR or 7800FR-QT Multiframe
Ordering Options	Rear Plate must be specified at time of order Eg: Model + 3RU	Enclosures	
+TL	ThumbLINK	350FR	3RU Portable Multiframe which holds up to 7 single slot modules
Accessories:		7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7700FC	VistaLINK® Frame Controller	7800FR	3RU Multiframe which holds up to 15 single slot modules
+TSERV	VistaLINK® Thumbnail Server	7800FR-QT	3RU Quiet Multiframe which holds up to 15 single slot modules