

7800IDA8-3G

3G/HD/SD-SDI Intelligent 1x8 Distribution Amplifier



The 7800IDA8-3G 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 support additional broadcast functionality such as loudness control, lipsync control, audio up and down mixing. These features can be optionally ordered providing more value to an already high performance distribution amplifier!

The 7800IDA8-3G is VistaLINK® capable, offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP) giving the flexibility to manage operations, including signal monitoring and module configuration from SNMP capable control systems (Manager or NMS)

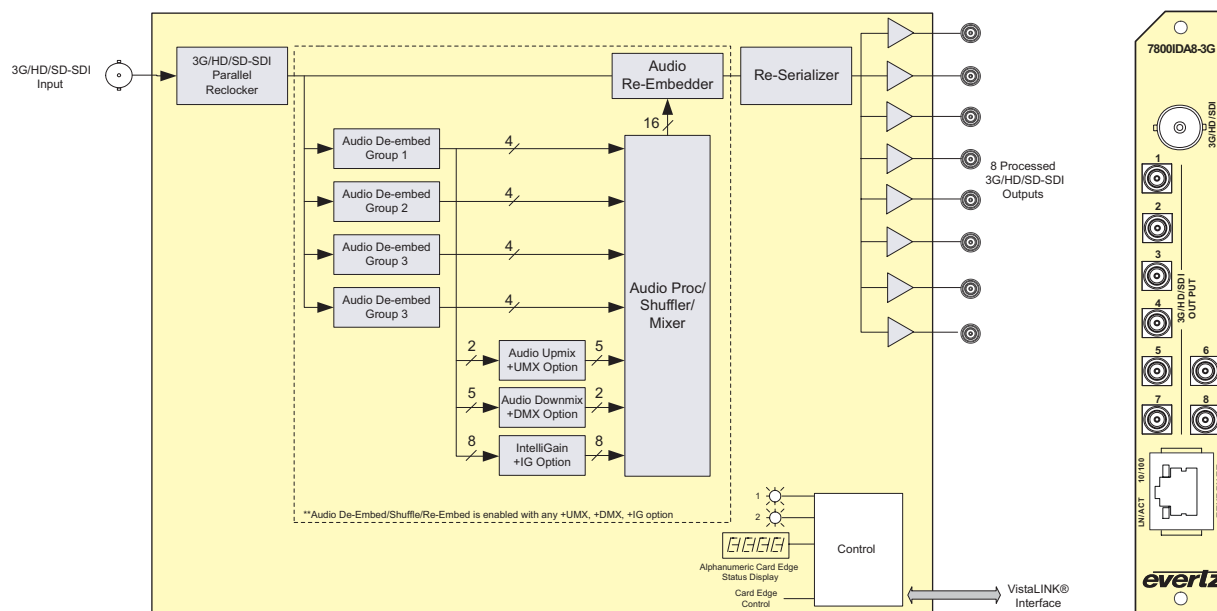
This device:

- Provides eight reclocked outputs from the 3G/HD/SD-SDI input
- Provides enhanced signal reclocking and conditioning
- Offers embedded mono audio channel shuffling
- Offers 2-channel stereo to 5.1 surround sound upmixing (with the +UMX option)
- Offers 5.1 surround sound to 2-channel stereo downmix (with the +DMX option)
- Offers award winning IntelliGain™ loudness control (with the +IG option)
- Offers award winning IntelliTrak™ Lipsync control (with the +IT option)
- SNMP configuration via 7700FC Evertz frame controller

The 7800IDA8-3G occupies 1 card slot and can be housed in the 3RU 7700FR-C, 7800FR and 7800FR-QT frames which have a 15 slot capacity. The 7700FC frame controller is required for configuration.

►Features & Benefits

- 3G/HD/SD-SDI input with eight reclocked outputs
- Long reach cable performance
- Optional embedded audio channel shuffling
- Optional upmixing, downmixing, loudness control and lipsync control
- Input signal presence detection
- Real time VistaLINK® monitoring and trending
- High density approach offers 14 modules within 3RU



►Specifications

Serial Video Input:		DC Offset:	0V ±0.5V	Electrical:	
Standard:	Auto-detects standard 3 Gb/s SMPTE 424M, 1.5Gb/sec SMPTE 292M, 270Mb/s SMPTE 259M-C (525i/59.94 or 625i/50)	Rise and Fall Time:	200ps nominal for 3G/HD-SDI 900ps nominal for SD-SDI	Voltage:	+12V DC
Connector:	BNC per IEC 61169-8 Annex A	Overshoot:	< 10% of amplitude	Power:	9W
Input Equalization:	Automatic to 100m @ 3 Gb/s, 140m @ 1.5Gb/s & 350m @ 270Mb/s	Return Loss:	> 20dB up to 270MHz > 15dB at 1.5Gb/s	EMI/RFI:	Complies with FCC regulations for class A devices Complies with EU EMC directive
Return Loss:	> 20dB up to 270Mb/s > 15dB up to 1.5Gb/s > 10dB up to 3 Gb/s	Jitter:	< 0.20 UI	Physical (number of slots):	
Serial Video Outputs:		Ethernet Interface:		7700FR-C:	1
Standard:	Same as input	Standard:	Ethernet 10/100 base-T, IEEE 802.3U standard for 100Mb/s	7800FR:	1
Number of Outputs:	8	Connector:	RJ-45	7800FR-QT:	1
Connector:	Mini Din 1.0/2.3 connector	Function:	Unused. Designed for future use.		
Signal Level:	800mV nominal				

►Ordering Information

7800IDA8-3G	3G/HD/SD-SDI Intelligent 1x8 Distribution Amplifier (7700FC required for configuration)	Accessories:	
		7700FC	VistaLINK® Frame Controller
		Rear Plate Suffix	
		+3RU	3RU Rear Plate for use with 7700FR-C, 7800FR or 7800FR-QT Multiframe
		Enclosures	
		7700FR-C	3RU Multiframe which holds up to 15 single slot modules
		7800FR	3RU Multiframe which holds up to 15 single slot modules
		7800FR-QT	3RU Quiet Multiframe which holds up to 15 single slot modules
Ordering Options			
Rear Plate must be specified at time of order Eg: Model + 3RU			
+DMX		5.1 to 2-Channel Stereo Downmix	
+UMX+IG		2-Channel Stereo to 5.1 surround sound upmix with IntelliGAIN™	
+IG		IntelliGAIN™ Loudness Control	
+IT		IntelliTrak Lipsync Control	