



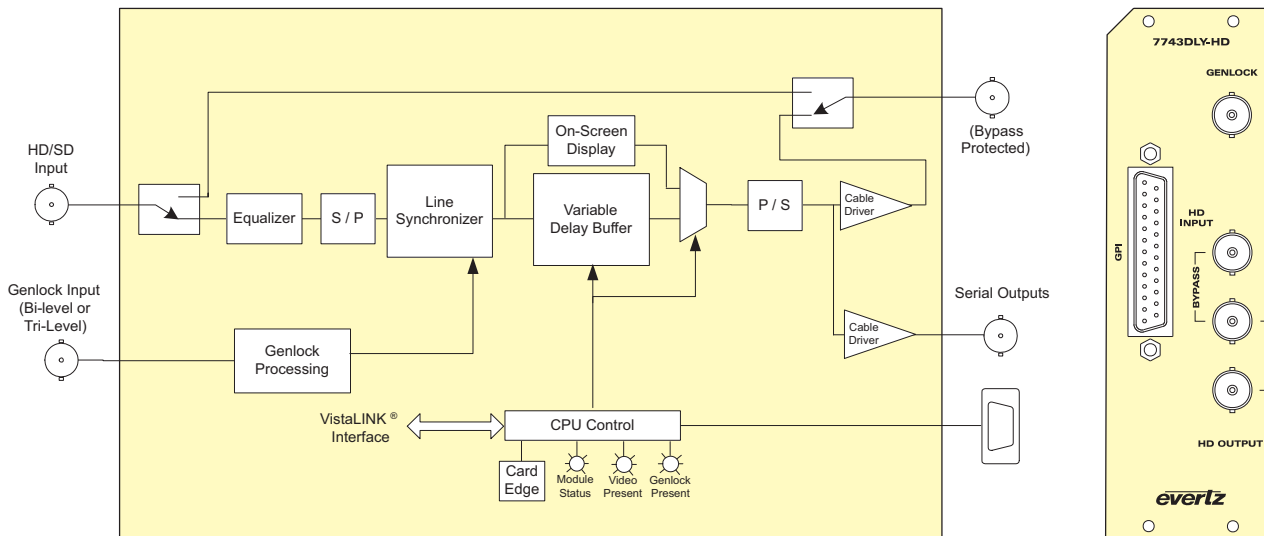
The 7743DLY-HD is a full function HD/SD-SDI Video Delay module designed for applications such as satellite uplink, signal re-entry on master control inputs, at cable headends, mobile vehicle outputs, broadcast transmitter inputs, virtual sets and matching delays caused by multi-channel audio compression.

The 7743DLY-HD can act as a delay for SD video (SMPTE ST 259) or for HD video (ST 292-1).

The 7743DLY-HD is capable of up to 3.2 seconds of delay for HD and up to 16.5 seconds of delay for SD. With the broadcast environment in mind, the modules feature bypass relay protection on output. The 7743DLY-HD occupies two card slots and can be housed in a 1RU frame which will hold up to four modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame, which will hold up to seven modules, or a standalone enclosure that will hold one module.

► Features & Benefits

- Full signal delay capability including VBI and ANC DATA for ST 292-1 (1.5Gb/s) signals
- 7743DLY-HD also supports full signal delay capability including VBI for SMPTE ST 259 (270Mb/s) signals
- Delay programmable in video units (frames, lines, and samples) or as time units (seconds)
- Auto senses video standard
- Bypass relay for program path protection on power loss
- Up to 3.2 seconds delay for HD
- Up to 16.5 seconds delay for SD
- Card edge controls operate on-screen menu system to program delay settings
- Input circuit features a line buffer which is suitable for “de-glitching” hot switches on upstream equipment (very useful for HD equipment)
- VistaLINK® capable for remote monitoring, control and configuration capabilities via SNMP; using VistaLINK® PRO, CP-2116E or CP-2232E Control Panels. VistaLINK® is available when modules are used with the 3RU 7800FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



► Specifications

High Definition Serial Digital Video:		Overshoot:	< 10% of amplitude	Electrical:	
Standard:	ST 292-1 (1.5Gb/s) or SMPTE ST 259 (270Mb/s)	Return Loss:	> 15dB up to 1.5Gb/s (HD), > 15dB up to 540Mb/s	Voltage:	+12V DC
Connector:	BNC per IEC 61169-8 Annex A	Wide Band Jitter:	< 0.2 UI	Power:	20W
Equalization:	Automatic to 75m @ 1.5Gb/s with Belden 1694A or equivalent cable	Genlock Input:		EMI/RFI:	Complies with FCC Part 15, Class A EU EMC Directive
Return Loss:	> 15dB up to 1.0Gb/s > 10dB up to 1.5Gb/s (with relay)	Type:	HD Tri-level Sync NTSC or PAL Color Black 1V p-p, or Composite bi-level sync (525i/59.94 or 625i/50) 300mV	Physical (number of slots):	
Standard Definition Serial Digital Video:		Connector:	BNC per IEC 61169-8 Annex A	350FR:	2
Standard:	SMPTE ST 259-C (270Mb/s)	Termination:	75Ω (jumper selectable)	7700FR-C:	2
Connector:	BNC per IEC 61169-8 Annex A	Functional:		7800FR:	2
Return Loss:	> 15dB up to 270Mb/s	Minimum Delay:	65.5ms (1770 samples) for standard definition, 37.7ms (2800 samples) for high definition	Stand Alone Enclosure:	
Serial Video Outputs:		Maximum Delay:	Approx. 16.5 seconds for standard definition, approx. 3.2 seconds for high definition	Dimensions:	14" L x 4.5" W x 1.9" H (355mm L x 114mm W x 48mm H)
Number of Outputs:	1 with relay bypass, 1 additional output			Weight:	Approx. 1.5lbs (0.7kg)
Connector:	BNC per IEC 61169-8 Annex A				
Signal Level:	800mV nominal				
DC Offset:	0V ±0.5V				
Rise and Fall Time:	200ps nominal (HD), 740ps nominal (SD)				

► Ordering Information

7743DLY-HD	HD/SD-SDI Video Delay	Accessories	
Ordering Options	Rear Plate must be specified at time of order (Eg: Model +3RU)	7700FC	VistaLINK® Frame Controller
Rear Plate Suffix		CP-2116E-H	Remote Control Panel
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe	CP-2232E	Remote Control Panel
+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
		7801FR	1RU Multiframe which holds up to 4 single or 2 dual slot modules
		S7701FR	Standalone Enclosure