

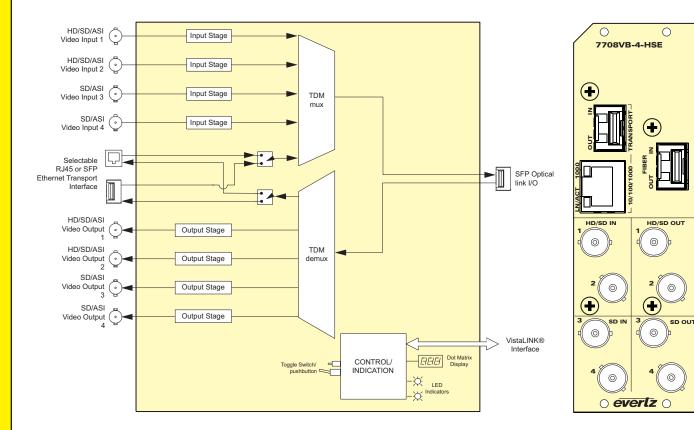
The 7708VB-4-HSE is part of the Evertz FacilityLINKTM series of Multiservice fiber transport products. Common applications include bi-directional transport of video plus Ethernet for purposes as simple as bringing back M&C data to full file-transfer or LAN extension. The 7708VB-4-1H-SE combines these

## Features & Benefits

- Bi-directional transport of two HD-SDI, four SD/ASI or one HD-SDI plus three SD/ASI signals plus Ethernet on a single card
- Ethernet transport connection may be RJ45 or optical when fitted with optional SFP optical modules (see ordering options)
- FBM (Flexible Bandwidth Management) controls Ethernet port data rate with respect to presence or absence of applied input video. 2.97 Gb/s transport link, min 30Mb/s Ethernet available with two input HD-SDI applied
- Signal transport uninterrupted by the application/loss of input signals
  Automatic coaxial input equalization up to 100m at 1.485Gb/s and 250m at 270Mb/s (Belden 1694)

signal types and directions into a single product which utilizes a 1.485Gb/s link rate. This allows the use of economical HD-SDI local loop transport links, and expands their capabilities and value by adding the ability to transport HD-SDI or multiple SD-ASI signals and up to 1Gb/s Ethernet.

- Fully hot-swappable from front of frame
- Optical output wavelengths of 1310nm and up to sixteen CWDM wavelengths (ITU-T G.694.2 compliant)
- VistaLINK<sup>®</sup> capable for remote monitoring via SNMP (using VistaLINK<sup>®</sup> PRO) when installed in 7800FR frame with a 7700FC VistaLINK<sup>®</sup> Frame Controller
- Occupies two card slots and can be housed in the 3RU 7800FR frame that has a 15 slot capacity, the portable 3RU 350FR frame that has a seven slot capacity or the 1RU 7801FR, which has a two module capacity





## 7708VB-4-HSE Dual HD or Quad SD/ASI Transceiver with Ethernet



1S	pecifications
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Serial Video Input:		Optical Link Output:		Output Power:	
Number of Inputs:	4	Number of Outputs:	1 per SFP	1310nm:	-2dBm ±1dBm
Max capacity:	Two HD-SDI, one HD-SDI plus	Connector:	Female LC/UPC	CWDM:	+4dBm ±1.5dBm
	three ASI/SD signals or up to 4 SDI	Wavelengths:			
	and/or ASI signals	Standard:	1310nm	Input:	
Standard:		CWDM:	1270nm - 1610nm	Operating Wavelength:	
Input 1-2:	ST 292-1, SMPTE ST 259-C,	Output Power:		Max Input Power:	-1dBm
	DVB-ASI	1310nm:	-2dBm ±1dBm	Optical Sensitivity Stand	dard:
Inputs 3-4:	SMPTE ST 259-C, DVB-ASI	CWDM:	+3dBm +1dBm		-21dBm
Connector:	BNC per IEC 61169-8 Annex A			High Sensitivity:	-28dBm
Equalization:	Automatic to 100m @ 1.485Gb/s	Optical Link Input:			
	and 250m @ 270Mb/s with	Number of Inputs:	1 per SFP	Electrical:	
	Belden 1694 or equivalent cable	Connector:	Female LC/UPC	Connector:	RJ45
Return Loss:	> 15dB up to 1.5Gb/s	Operating Wavelength:	1270nm-1610nm	Cable Requirements:	
		Max Input Power:	-1dBm	10 BaseT:	UTP category 3, 4 or 5 cable up to
Serial Video Output:		Optical Sensitivity:			328ft/100m (2 pairs)
Number of Outputs:	4	Standard:	-19dBm	100 BaseTX:	UTP category 5 cable up to
Standard:					328ft/100m (2 pairs)
Output 1-2:	ST 292-1, SMPTE ST 259-C,	Ethernet Input/Output		1000 BaseTX:	UTP category 5 cable up to
	DVB-ASI	Standard:	IEEE 802.3 (10 Base T), IEEE		164ft/50m (4 pairs)
Outputs 3-4:	SMPTE ST 259-C, DVB-ASI		802.3u (100 Base TX), IEEE		
Connector:	BNC per IEC 61169-8 Annex A		802.3ab (1000 base TX)	Electrical:	
Signal Level:	800mV nominal	Optical (when fitted with		Voltage:	+12VDC
DC Offset:	0V ±0.5V	Connector:	SFP (duplex female LC/UPC)	Power:	13W
Rise/Fall Time:		Output:			
1.485Gb/s:	< 270ps	Wavelengths:		Physical (number of s	lots):
270Mb/s:	900ps nominal	Standard:	1310nm	350FR:	2
Overshoot:	< 10% of amplitude	CWDM:	1270nm - 1610nm	7700FR-C:	2
Return Loss:	> 12dB up to 1.5Gb/s			7800FR:	2
Wideband Jitter:	< 0.2UI				

## Ordering Information

7708VB-4-HSE	Dual HD or Quad SD/ASI Transceiver with Ethernet, SFP's not included	Rear Plate Suffix +3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR
Ordering Options	Rear Plate and Fiber Connector and SFP's must be specified at		Multiframe
ordening options	time of order (Eg: Model +SC +3RU)	Enclosures 350FR	3RU Portable Multiframe which holds up to 7 single slot modules
SFP for Ethernet or Optical Link		7800FR	3RU Multiframe which holds up to 15 single slot modules
SFPTR-13	SFP Transceiver, 1310nm, standard sensitivity receiver, supports rates up to 3Gb/s	7801FR	1RU Multiframe which holds up to 4 single or 2 dual slot modules
SFPTR-Cxx	SFP Transceiver, CWDM, standard sensitivity receiver, supports rates up to 3Gb/s		
SFPTR-CxxH	SFP Transceiver, CWDM, high sensitivity receiver, supports rates up to 3Gb/s		