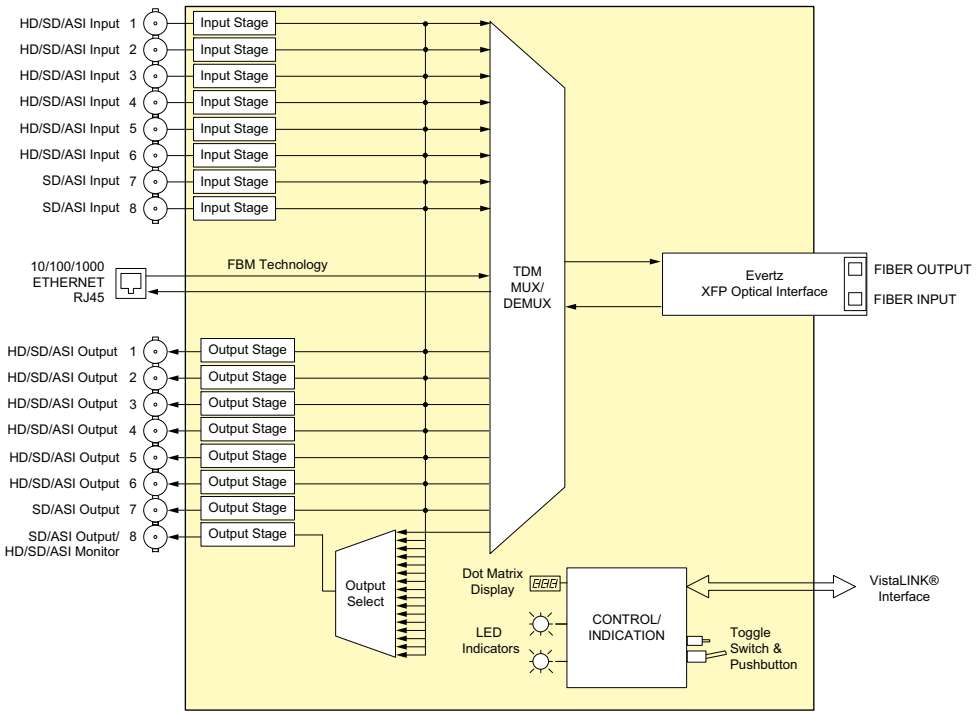
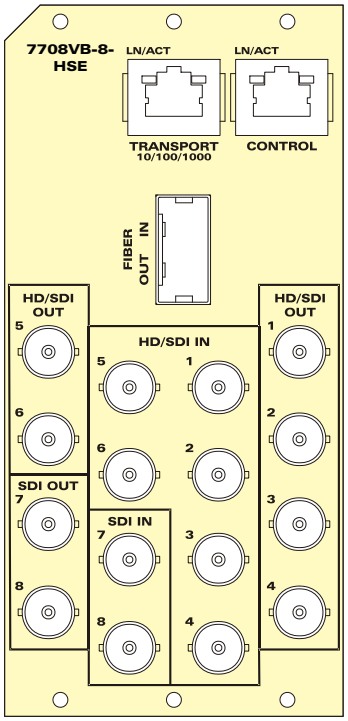
7708VB-8-HSE

8 Channel HD/SDI/DVB-ASI + Ethernet Fiber Transceiver

Features & Benefits

- Single card TDM multiplexer for six bi-directional asynchronous HD-SDI, or eight bi-directional asynchronous SD-SDI, or DVB-ASI signals or any combination thereof with maximum total bandwidth of 9Gb/s
- Built-in Ethernet transceiver with one 10/100/1000 Base-T port with FBM (Fiber Bandwidth Management) technology
- Uncompressed, full-rate video transport
- Signal transport over fiber uninterrupted by loss of any input feed
- Transparently passes embedded AES or any other data in the horizontal or vertical ancillary data space
- Fully hot-swappable from front of frame
- Supports single-mode fiber optic cable
- Optical output wavelengths of 1310nm, 1550nm, and up to eight CWDM wavelengths (1470nm - 1610nm)
- DWDM wavelength (ITU-T G.694.1 compliant) support
- Pluggable Evertz XFP module permits wavelength swapping/sparing
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK®
- VistaLINK® capability is available when modules are used with the 3RU 7800FR or 350FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame
- Occupies three card slots and is housed in a 3RU frame that holds up to 5 modules or 350FR portable frame that holds up to 2 modules





Specifications

Serial Video Input:

Standards:	SMPTE ST 292-1, SMPTE ST 259-C, DVB-ASI, SMPTE 305M (SDTi)
Number of Inputs:	8
Connector:	BNC per IEC 61169-8 Annex A
Equalization:	Automatic to 70m @2.470Gb/s, 100m @ 1.485Gb/s, and 250m @270Mb/s with Belden 1694A or equivalent
Return Loss:	> 15dB up to 1.5Gb/s

Serial Video Output:

Standards:	SMPTE ST 292-1, SMPTE ST 259-C, DVB-ASI, SMPTE 305M (SDTi)
Number of Outputs:	8 (output #8 is selectable as an output or monitor port)
Connector:	BNC per IEC 61169-8 Annex A
Signal Level:	800mV nominal
DC Offset:	0V ±0.5V
Rise and Fall Time:	900ps nominal @ 270Mb/s, <270PS @1.485G/bs
Overshoot:	<10% of amplitude
Return Loss:	>15dB to 1.5Gb/s
Alignment Jitter:	<0.2 UI

Optical Output:

Number of Outputs:	1
Connector:	Female LC Duplex
Fiber Size:	9µm core/125µm overall
Wavelength:	
Standard:	1310nm, 1550nm (nominal)
CWDM:	1470nm to 1610nm
DWDM:	D200 to D590
Power:	
1310nm:	-6dBm to 1dBm
1550nm:	-1dBm to +2dBm
CWDM:	+1dBm to +4dBm
DWDM DFB:	-1dBm to +2dBm

Optical Input:

Number of Inputs:	1
Connector:	Female LC Duplex
Wavelength:	1270nm to 1610nm

Maximum Input Power:

Max Input Power:	
Standard:	-1dBm
High Sensitivity:	-7dBm
Optical Sensitivity:	
Standard:	-14dBm
High Sensitivity:	-22dBm

Electrical:

Voltage:	+12V DC
Power:	20W

Physical (number of slots):

350FR:	3
7700FR-C:	3
7800FR:	3

Compliance:

Laser Safety:	Complies with 24 CFR 1040.10 and 1040.11
EMI/RFI:	Complies with FCC regulations for Class A devices Complies with EU EMC directive

The Complete Solution Provider

Ordering Information

7708VB-8-HSE	8 X HD/SDI/DVB-ASI + Ethernet Fiber Transceiver, Vistalink. XFP not included. See XFP ordering option below.
XFP Ordering Options	
XFPTR-13	Optical XFP Transceiver, 1310nm, Standard Sensitivity, 10km
XFPTR-15	Optical XFP Transceiver, 1550nm, Standard Sensitivity, 40km
XFPTR-15H	Optical XFP Transceiver, 1550nm, High Sensitivity, 80km
XFPTR-Cxx-S	Optical XFP Transceiver, CWDM wavelengths, Standard Sensitivity, 40km Where xx = 47 to 61 for CWDM wavelengths
XFPTR-Cxx-H	Optical XFP Transceiver, CWDM wavelengths, High Sensitivity, 70/80km Where xx = 47 to 61 for CWDM wavelengths
XFPTR-Dxxx-H	Optical XFP Transceiver, DWDM wavelengths, High Sensitivity, 80km Where xxx = 200 to 590 for DWDM Wavelengths

Rear Plate Suffix	
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
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