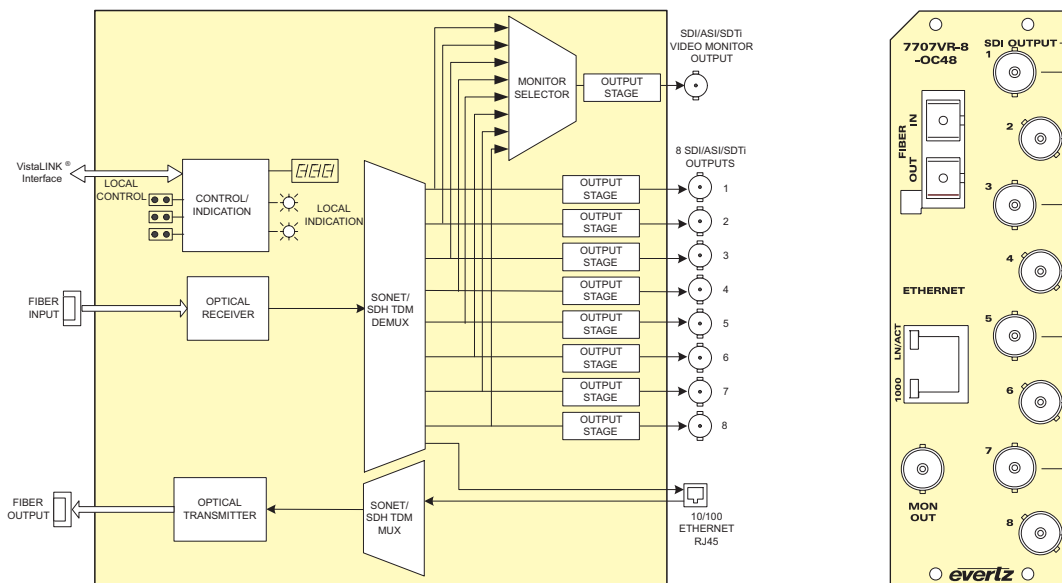## ▶Features & Benefits

- Transports signals over OC-48/STM-16 data rates (2.488Gb/s)
- Single card TDM multiplexer for eight asynchronous SD-SDI, SDTi and DVB-ASI signals
- Built-in Ethernet transceiver with one 10/100 Base-T port
- Interfaces directly to SONET/SDH infrastructure
- 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
- Stratum 3 wander/holdover/jitter compliance
- Wide input frequency range tolerance (±50ppm)
- Fully hot-swappable from front of frame
- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)

- Optical output wavelengths of 1310nm, 1550nm, and up to sixteen CWDM wavelengths (ITU-T G.694.2 compliant)
- DWDM wavelength (ITU-T G.694.1 compliant) support
- SC/PC, ST/PC, FC/PC connector options
- 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 two card slots and can be housed in either a 3RU frame which will hold up to 7 modules or the 350FR portable frame which has a 3 slot capacity

▶Specifications

Serial Video Output:

Standards:	SMPTE 259M-C, DVB-ASI, SMPTE 305M (SDTi)
Number of Outputs:	8 (+1 monitor with user-selectable source)
Connector:	1 BNC per IEC 61169-8 Annex A
Signal Level:	800mV nominal
DC Offset:	0V ±0.5V
Rise and Fall Time:	900ps nominal at 270Mb/s
Overshoot:	< 10% of amplitude
Return Loss:	> 12dB
Wideband Jitter:	< 0.2 UI

Serial Video Monitor Output:

Standards:	SMPTE 259M-C, DVB-ASI, SMPTE 305M (SDTi)
Number of Outputs:	1, signal user-selectable from the 8 inputs
Connector:	1 BNC per IEC 61169-8 Annex A
Signal Level:	800mV nominal
DC Offset:	0V ±0.5V
Rise and Fall Time:	900ps nominal
Overshoot:	< 10% of amplitude
Return Loss:	> 12dB
Wideband Jitter:	< 0.2 UI

Optical Output:

Standards:	OC-48/STM-16
Number of Outputs:	1
Connector:	Female SC/PC, ST/PC or FC/PC
Return Loss:	> 14dB
Wideband Jitter:	< 0.2 UI
Fiber Size:	9μm core/125μm overall
Wavelength:	
Standard:	1310nm, 1550nm (nominal)
CWDM:	1270nm to 1610nm (See Ordering Information)
DWDM:	C-Band (ITU-T G.694.1 compliant) (See Ordering Information)

Power:

1310nm FP (Standard):	-6dBm ±1dBm
1550nm & CWDM DFB:	0dBm ±1dBm
DWDM DFB:	+7dBm ±1dBm

Optical Input:

Standards:	OC-48/STM-16
Number of Inputs:	1
Connector:	Female SC/PC, ST/PC or FC/PC
Return Loss:	> 25dB

Wavelength:	1270nm to 1610nm
Maximum Input Power:	
Standard:	-1dBm
Optical Sensitivity:	
Standard:	-23dBm

Electrical:

Voltage	+12V DC
Power	10W (non DWDM)
	13W (DWDM)

Physical (number of slots):

350FR:	2
7700FR-C:	2
7800FR:	2

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

▶Ordering Information