▶Features & Benefits
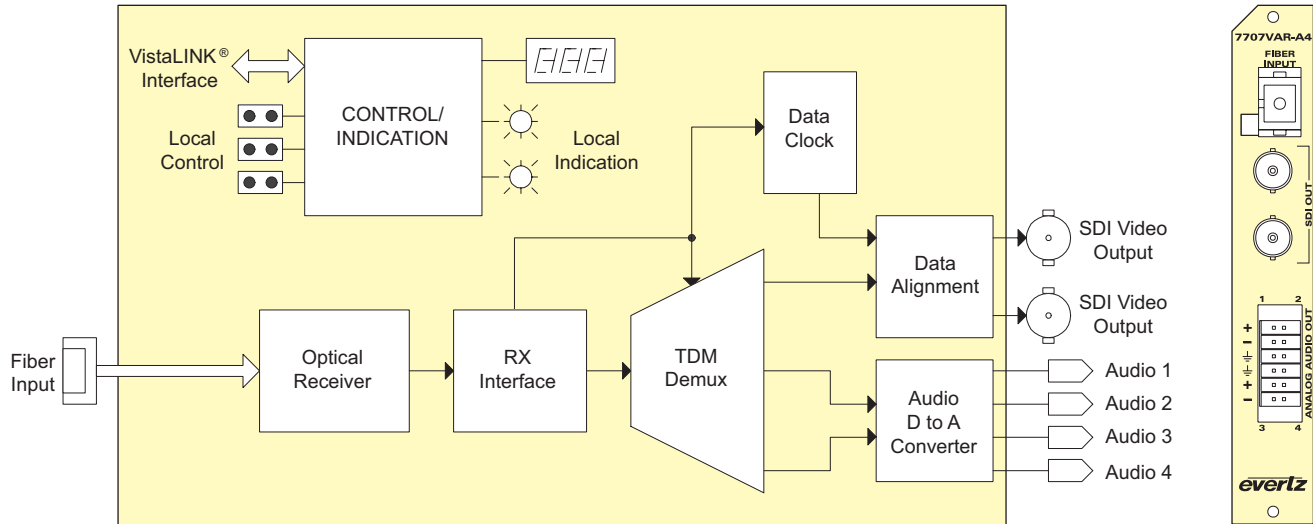
- SDI video and four broadcast quality analog audio fiber optic receiver
- Supports 525 or 625 line 4:2:2 component SDI signals
- Low Audio to Video latency
- Output Video "Black" or "Blue" (selectable) on loss of video or fiber optic input signals
- Built-in jitter attenuation
- Local display of optical signal strength, video and audio presence, video format and EDH errors
- Fully hot-swappable from front of frame with no fiber disconnect/reconnect required
- Comprehensive signal and card status monitoring via four digit card edge

- display or remotely through SNMP and VistaLINK®
- Occupies one card slot and can be housed in either a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, 3RU portable frame that holds up to 7 modules or a standalone frame which will hold 1 module
- VistaLINK® capability is available when modules are used with the 3RU 7800FR or 350FR portable frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame
- Supports single mode and multi mode fiber optic cable (contact factory for multi-mode applications)
- Accepts any wavelength in the 1270nm to 1610nm range

▶Specifications

Optical Input:
Number of Inputs:	1
Connector:	Female SC/PC, ST/PC, FC/PC
Operating Wavelength:	1270nm to 1610nm
Maximum Input Power:	0dBm
Optical Sensitivity:	-28dBm

Serial Video Outputs:
Number of Outputs:	2 regenerated
Standard:	SMPTE 259M-C
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:	> 15dB at 270Mb/s
Wide Band Jitter:	< 0.2 UI

Analog Audio Outputs:
Number of Outputs:	4
Type:	Balanced analog audio
Connector:	12-pin removable terminal block
Output impedance:	< 100Ω
Freq. Response:	±0.1dB, 20Hz to 20 kHz
THD 20Hz-20kHz:	< 0.005%
Channel Phase Diff.:	±1°
SNR (weighted):	> 85dB
Output Level:	Adjustable to +24dBu
Audio Headroom:	+24dBu

System Performance (7707VAT-A4 + 7707VAR-A4):
Video Input To Output Delay:	< 2µs
Audio Input to Output delay:	< 1.9ms

Electrical:
Voltage:	+12V DC
Power:	11W
EMI/RFI:	Complies with FCC Part 15, Class A EU EMC directive

Physical (number of slots):
350FR:	1
7700FR-C:	1
7800FR:	1

▶Ordering Information

7707VAR -A4	SDI with 4 Analog Audio Fiber Receiver

Ordering Options — Rear Plate and Fiber Connector must be specified at time of order
Eg: Model +SC +3RU

Rear Plate Suffix
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Connector Suffix
+SC	SC/PC
+ST	ST/PC
+FC	FC/PC

Fiber Optic Patch Cable
See CWDM & DWDM Ordering Information Page

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
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure