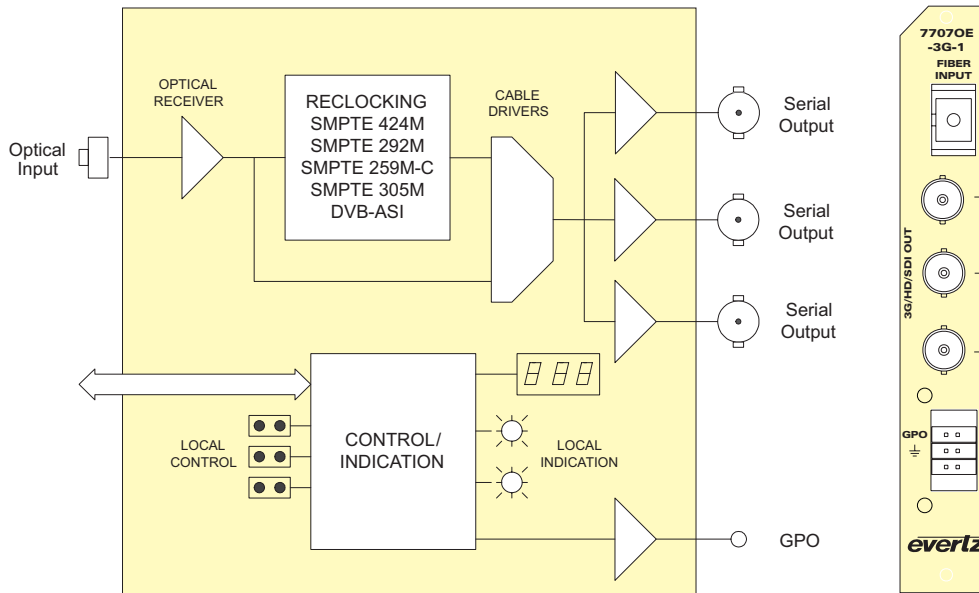### ▶ Features & Benefits

- Supports all SMPTE 424M standards at 2.970 Gb/s
- Supports all SMPTE 292M standards at 1.485Gb/s
- Supports SMPTE 259M-C standards at 270Mb/s
- Supports DVB-ASI (270Mb/s) and SMPTE 305M (SDTi) rates
- Auto rate selection, indication and reclocking for SD-SDI/HD/3G data rates from 270Mb/s to 2.970Gb/s
- Selectable non-reclock mode for other rates
- Programmable general purpose output (GPO)
- Detection and display of optical input power, and data rate
- Display of received optical power for continuous indication of link integrity
- Wide range optical input (1270nm-1610nm)

- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)
- Fully hot-swappable from front of frame
- 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 a 3RU frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame
- 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, or a standalone enclosure which will hold 1 module

▶ Specifications

Optical Input:

Standards:	
Reclocked:	SMPTE 424M, SMPTE 292M, SMPTE 259M-C SMPTE 305M, DVB-ASI
Non-Reclocked:	Any bi-level signal type at rates of 270Mb/s to 2.970Gb/s
Connector:	Female SC/PC, ST/PC or FC/PC
Wavelength:	1270nm-1610nm
Optical Sensitivity:	
Standard:	-21dBm
High Sensitivity (-H):	-28dBm
Max. Input Power:	
Standard:	-1dBm
High Sensitivity (-H):	-8dBm

Serial Video Outputs:

Number of Outputs:	3 Per Card (all DVB-ASI compliant)
Connectors:	BNC per IEC 61169-8 Annex A
Impedance:	75Ω (nominal)
Signal Level:	800mV(nominal)
DC Offset:	0V ±0.5V
Rise and Fall Time:	< 135ps (HD/3G) < 900ps (SD)
Overshoot:	< 10% of amplitude
Return Loss:	> 15dB to 1.5GHz > 10dB to 3GHz
Alignment Jitter:	< 0.2 UI (Reclocked) to 1.485Gb/s < 0.3 UI (Reclocked) to 2.97Gb/s

General Purpose Outputs:

Type:	Dry contact relay closure (normally open)
Number of Outputs:	1
Connector:	Multi-pin removable terminal block
Max Current:	500mA @ 12V

Electrical:

Voltage:	+12V DC
Power:	8W
EMI/RFI:	Complies with FCC Part 15, Class A EU EMC Directive

Physical:

350FR:	1
7700FR-C:	1
7800FR:	1

▶ Ordering Information

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

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

Accessories
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
7701FR	1RU Multiframe which holds up to 3 single or dual 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