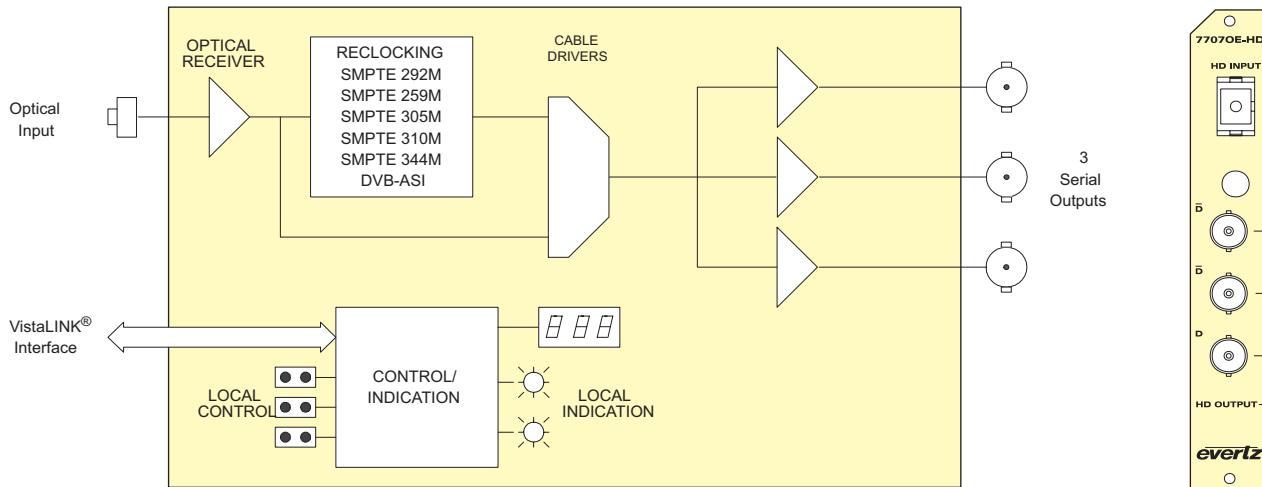


7707OE-HD

HDTV Optical to Electrical Converter, 19.4Mb/s to 1.5Gb/s

►Features & Benefits

- Supports all SMPTE 292M standards at 1.485Gb/s
- Supports all SMPTE 259M standards with operation from 143Mb/s-360Mb/s
- Supports SMPTE 310M (19.4Mb/s), M2S or DVB-ASI (270Mb/s), SMPTE 344M (540Mb/s), and SMPTE 305M (SDTi) rates
- Auto rate selection, indication and reclocking for all SDI and HD-SDI data rates from 143Mb/s to 1.485Gb/s
- Selectable non-reclock mode for other rates
- Detection and display of optical input power, video format, and EDH errors (SDI only)
- 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
- 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
- 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 the 3RU 7800FR or 350FR portable frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



►Specifications

Optical Input:

Standards: SMPTE 297M
Reclocked: SMPTE 292M, SMPTE 259M, A, B, C, D
SMPTE 310M (19.4Mb/s) SMPTE 305M, M2S
Non-Reclocked: Any bi-level signal type at rates of 19.4Mb/s-1.485Gb/s
Connector: Female SC/PC, ST/PC or FC/PC
Wavelength: 1270nm-1610nm
Optical Sensitivity: Standard: -23.5dBm @ 1.485Gb/s
High Sensitivity (-H): -28.5dBm @ 1.485Gb/s
Max. Input Power: Standard: -1dBm
High Sensitivity (-H): -8dBm

Serial Video Outputs:

Number of Outputs: 3 Per Card (1 output DVB-ASI/ M2S compliant)
Connectors: 1 BNC per IEC 61169-8 Annex A
Impedance: 75Ω (nominal)
Signal Level: 800mV (nominal)
DC Offset: 0V ±0.5V
Rise and Fall Time: < 270ps
Overshoot: < 10% of amplitude
Return Loss: > 12dB to 1.5GHz
Wide Band Jitter: < 0.20 UI (Reclocked)

Electrical:

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

Physical (number of slots):

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

Transmitter Compatibility Chart:

MODEL #	SD-SDI	HD-SDI
2405/7705/7707EO	x	
2405/7705/7707EO-HD	x	x
7705/7707EO-3	x	
7705/7707EO-3-HD	x	x
7707ADVT	x	
7707ADVT-HD	x	x
7707VAT-HD	x	x

►Ordering Information

7707OE-HD HDTV Optical to Electrical Converter, 19.4Mb/s to 1.5Gb/s
7707OE-HD-H HDTV Optical to Electrical Converter, 19.4Mb/s to 1.5Gb/s, High Sensitivity

Connector Suffix

+SC SC/PC
+ST ST/PC
+FC FC/PC

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

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
7800FR 3RU Multiframe which holds up to 15 single slot modules
7701FR 1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR Standalone Enclosure