

7707EO-3-HD

Triple HD or SD Electrical to Optical Converter

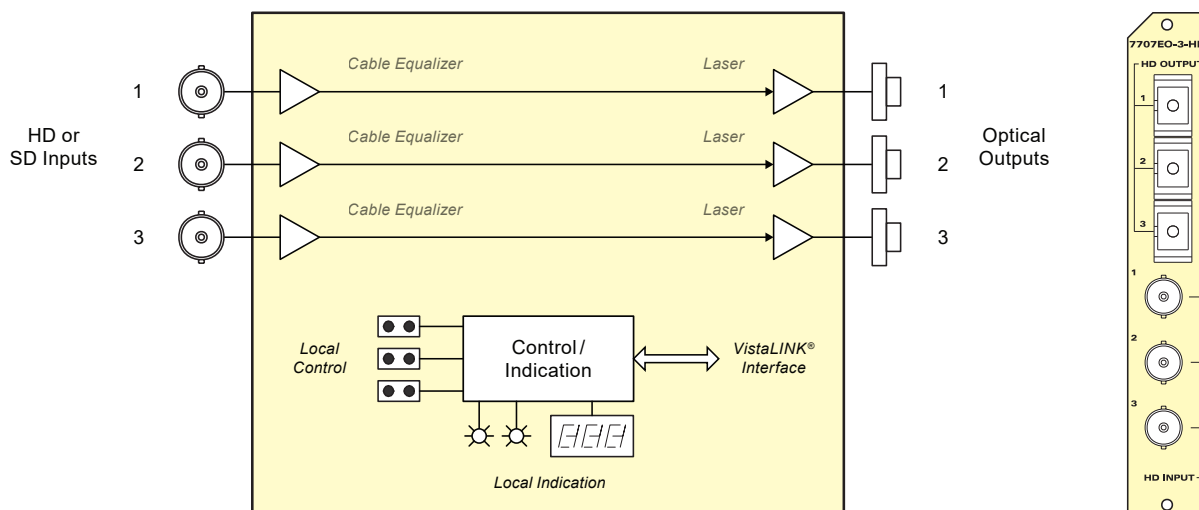


Features & Benefits

- Three independent channels of electrical to optical conversion that support all SMPTE ST 292-1 standards at 1.485Gb/s
- Supports all SMPTE ST 259 standards with operation from 143Mb/s–360Mb/s
- Supports additional standards of SMPTE ST 305M (SDTi), ST 310M (19.4Mb/s), ST 344M (540Mb/s), M2S and DVB-ASI (270Mb/s)
- Automatic cable equalization to 300m @ 270Mb/s and 75m @ 1.485Gb/s with Belden 1694A (or equivalent) cable
- Fully hot-swappable from front of frame, with no fiber or BNC disconnect/reconnect required
- High density — accommodates up to 45x independent channels of optical conversion, in a single 3RU frame
- Signal and card status monitoring via four-digit card-edge display, or remotely through SNMP and VistaLINK® available
- Detection and display of input cable length
- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)
- SC/PC, ST/PC or FC/PC connector options
- Tally output on frame status bus upon loss of input signal
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK®
- Can be housed in either a 1RU frame which holds up to three modules, a 3RU frame that holds up to 15 modules, 350FR portable frame that holds up to seven modules or a standalone frame, which holds one 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

Specifications

Standards:	SMPTE ST 292-1, ST 259 A, B, C, D, ST 297M, ST 305M, ST 310M, ST 344M, M2S, DVB-ASI
Serial Video Input:	
Number of Inputs:	3 (independent channels)
Connector:	3x BNC per IEC 61169-8 Annex A
Equalization:	Automatic to 75m @ HD (1.485Gb/s) and 300m @ SD (270Mb/s) with Belden 1694A (or equivalent)
Return Loss:	>14dB up to 1.5Gb/s
Optical Outputs:	
Number of Outputs:	3 (independent channels)
Connector:	SC/PC, ST/PC, FC/PC female housing
Return Loss:	>14dB
Rise/Fall Time:	270ps nominal
Jitter:	<0.2 UI
Nominal Wavelength:	1550nm
Optical Power:	0dBm ±1dBm
Electrical:	
Voltage:	+12V DC
Power:	6W
Physical (Number of Slots):	
350FR:	1
7700FR-C:	1
7800FR:	1
Compliance:	
Laser Safety:	Class 1 laser product Complies with 24 CFR 1040.10 and 1040.11 IEC 60825-1
EMI/RFI:	Complies with FCC part 15, Class A EU EMC directive



7707E0-3-HD

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Receiver Compatibility Chart:

Model #	SD-SDI	HD-SDI
2405 / 7705 / 7705OE	X	
2405 / 7705 / 7705OE-HD	X	X
7705 / 7705OE-3	X	
7705 / 7705OE-3-HD	X	X
7707ADVR	X	
7707ADVR-HD	X	X
7707VAR-HD	X	X

Ordering Information

7707OE15-3-HD

Triple HD or SD Electrical to Optical Converter, 19.4Mb/s or 143Mb/s-1.485Gb/s,
1510nm FP laser, VistaLINK®

Ordering Options:

+3RU

3RU rear plate

* See CWDM & DWDM Ordering Information page for fiber optic patch cables

Connector Suffix Options:

+SC

SC/PC

+FC

FC/PC

Enclosures:

350FR

3RU Portable Multiframe Which Holds Up to 7 Single Slot Modules with AC Power Supply

7700FR-C

3RU Multiframe Which Holds up to 15 Single Slot Modules

7800FR

3RU Multiframe Which Holds up to 15 Single Slot Modules with AC Power Supply

7801FR

1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules,

Requires Rear Plate Option for Modules