

FOE-871p Fiber Optic to HD/SD Converter

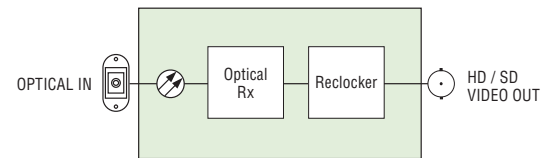


The FOE-871p is a compact stand-alone solution receiving Standard Definition digital video (SMPTE 259M SDI 270 Mbps) as well as High Definition signals (SMPTE 292M up to 1.5 Gbps) through an SMPTE 297M fiber optic link. When interconnected with the FEO-871p, the solution reaches distances up to 15 km (depends on the optical link) on single mode fiber optic allowing transparent digital transmission for short haul

applications. The FOE-871p can be used stand-alone or can be mounted in a special rack tray that allows the picoLink fiber converters to become an optical to electrical patch field. The fiber picoLink converters' flexible packaging make them ideal for both temporary and permanent, intra and inter-facility fiber optic links.

Key Features and Benefits

- ⊕ Supports any serial data rate from 5 Mbps to 1.5 Gbps including ATSC, SDI & HD-SDI
- ⊕ Reclocked serial digital video from 143 Mbps to 1.5 Gbps
- ⊕ Supports SMPTE 259M, SMPTE 292M, SMPTE 297M, SMPTE 305, SMPTE 310M, DVB-ASI
- ⊕ Supports single mode fiber optic @ 1310 nm and 1550 nm
- ⊕ Status LED indication
- ⊕ Cost effective solution, compact and lightweight
- ⊕ Standalone mounting
- ⊕ Optional rack mount tray turns picoLink into optical patch field



FOE-871p Functional Block Diagram

Technical Specifications

INPUT		OUTPUT		CONNECTOR:	75 Ω BNC
SIGNAL:	Optical Laser (SMPTE 297M)	SIGNAL:	SMPTE 259M-A-C (143, 270 Mbps)	PROCESSING DELAY:	3 ns @ 1.485 Gbps
WAVELENGTH:	1310 nm and 1550 nm		SMPTE 292M (1.485, 1.485/1.001 Gbps)	MECHANICAL FORM	
SENSITIVITY:	- 16 dBm		SMPTE 305M (SDTI),	FACTOR:	Short picoLink (3.5"), allowing up to 10 units into the picoTray
FIBER TYPE:	Single mode		SMPTE 310M (5 to 40 Mbps), DVB-ASI	POWER VOLTAGE:	5V DC
CONNECTOR:	Optical SC/PC	RETURN LOSS:	> 15 dB up to 1.5 Gbps	CONSUMPTION:	2 W
		JITTER:	< 0.2UI		

Ordering Information

FOE-871p	HD / SD picoLink Optical to Electrical Converter	Accessories: LKS-WSU LKS-CPS pL-Fiber Tray pico-PA	Power Supply For 110 V or 220 V Centralized Power Supply For Up To 10 units picoLink Fiber Patch Tray And Power Supply 12V to 5V Power Adaptor
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