

# FOE-871p

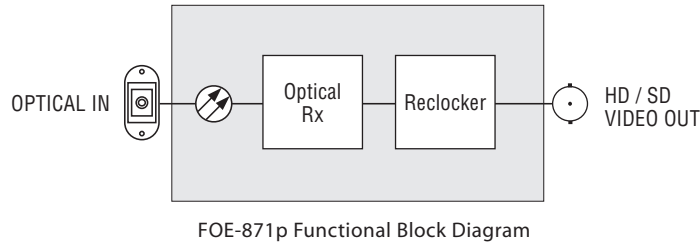
## Fiber optic to HD/SD converter



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 packagings 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 at 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



### TECHNICAL SPECIFICATIONS

INPUT		OUTPUT		ELECTRICAL	
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 factor:	Short picoLink (3.5"), allowing up to 10 units into the picoTray
Sensitivity:	-16 dBm		SMPTE 305M (SDTI)		
Fiber type:	Single mode		SMPTE 310M (5 to 40 Mbps)		
Connector:	Optical SC/PC		DVB-ASI		
		Return loss:	>15 dB up to 1.5 Gbps		
		Jitter:	<0.2 UI		
		Connector:	75 ohm BNC		

### ORDERING INFORMATION

FOE-871p HD/SD picoLink optical to electrical converter

#### Accessories

LKS-WSU Power supply for 110 V or 220 V  
 pico-PA 12 V to 5 V power adaptor  
 pL-Tray 40 W rack mounted tray for up to 10 picoLinks