Princeton Instruments

GigE® Fiber Optic Interface Kit

This specially designed fiber optic data interface kit allows the computer and the GigE camera head to be separated by up to 550 meters without the loss of data. The kit consists of two compact, high speed transceivers (interface modules) for completely transparent operation between the host computer and the camera. The Fiber Optic Interface Kit is ideal for hazardous or high EMI environments, and supports the ProEM, PyLoN and PI-MAX4 families of CCDs.

FEATURES	BENEFITS
Cameras supported	PI-MAX4, PyLoN, ProEM-HS
Fiber connector	LC to LC duplex
Camera connector	GigE
Fiber *	62.5/125 µm multimode for up to 275 M; for > 300 M use 50 µm/125 µm multimode
Distance	Up to 550 M
Connectors	1 - RJ45 1000BaseT/SX Ethernet port 1 - Fiber Optic LC Female port
Data throughput	Max. 1000 Mbits/sec
Output power	12 V; 0.5 A max for each interface module (appropriate power supply modules are supplied)
Operating Temperature	0°C to 50°C operating
Operating Systems	Windows 8/7/XP, Linux
Dimensions (W x H x L)	123 mm x 86 mm x 20 mm (4.84” x 3.39” x 0.79”)
Weight	0.72 kg (1.59 lb) each

* Not included. Must be ordered separately.

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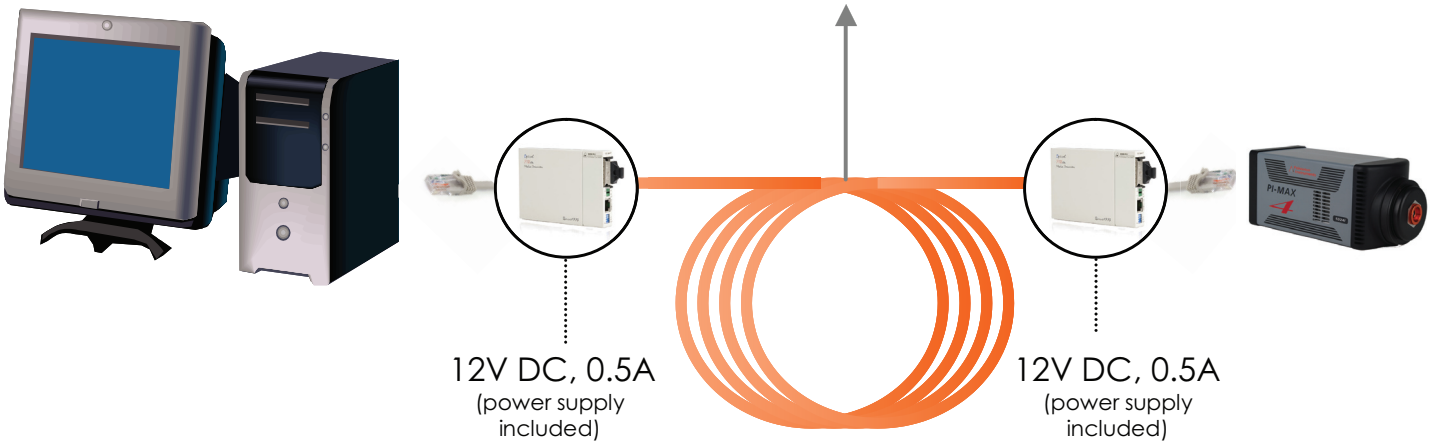
GigE Fiber Optic Interface Kit Connection Diagram

LC to LC duplex 62.5/125 µm multimode fiber optic cable

Not included in the kit. Must be ordered separately. Available in 100, 200 and 300 M lengths.
For lengths > 275 M, use 50/125 µm fiber



Ordering Information

Princeton Instruments Part Number	*Description*
(2475-0124)	Fiber Optic Transceiver Kit for GigE (ProEM, PI-MAX4 and PyLoN)
FO-LC-LC-100 (2475-0042)	100 M, LC to LC duplex 62.5/125 µm fiber optic cable
FO-LC-LC-200 (2475-0043)	200 M, LC to LC duplex 62.5/125 µm fiber optic cable
FO-LC-LC-300 (2475-0044)	300 M, LC to LC duplex 50/125 µm fiber optic cable

* Note: For lengths > 275 M, use 50/125 µm fiber. Contact your local sales representative for more information.