

## GigE<sup>®</sup> Fiber Optic Interface Kit

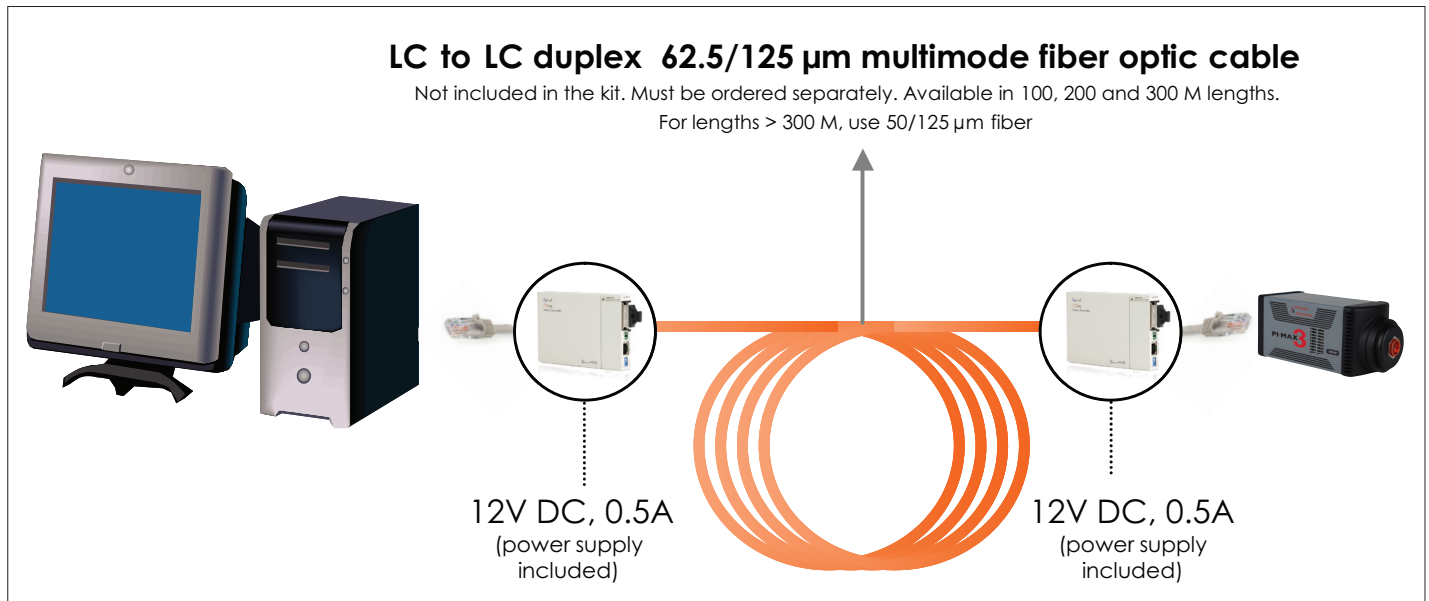


This specially designed fiber optic data interface kit allows the computer and the GigE camera head to be separated by up to 550 meters without the loss of data. The kit consists of two compact, high speed transceivers (interface modules) for completely transparent operation between the host computer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

| FEATURES               | BENEFITS   |
|------------------------|--|
| Cameras supported      | ProEM, PI-MAX3 and PyLoN   |
| Fiber connector        | LC to LC duplex  |
| Camera connector       | GigE   |
| Fiber *                | 62.5/125 $\mu$ m multimode for up to 275 M; for > 300 M use 50 $\mu$ m/125 $\mu$ m multimode |
| Distance               | Up to 550 M  |
| Connectors             | 1 - RJ45 1000BaseT/SX Ethernet port<br>1 - Fiber Optic LC Female port                        |
| Data throughput        | Max. 1000 Mbits/sec  |
| Output power           | 12 V; 0.5 A max for each interface module<br>(appropriate power supply modules are supplied) |
| Operating Temperature  | 0°C to 50°C operating  |
| Operating Systems      | Windows XP, Vista, Windows 7, 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.

## GigE Fiber Optic Interface Kit Connection Diagram



## Ordering Information

| <b>Princeton Instruments Part Number</b> | <b>Description</b>  |
|--|---|
| 2475-0124                                | Fiber Optic Transceiver Kit for GigE (ProEM, PI-MAX3 and PyLoN) |
| 2475-0042                                | 100 M, LC to LC duplex 62.5/125 $\mu\text{m}$ fiber optic cable |
| 2475-0043                                | 200 M, LC to LC duplex 62.5/125 $\mu\text{m}$ fiber optic cable |
| 2475-0044                                | 300 M, LC to LC duplex 50/125 $\mu\text{m}$ fiber optic cable   |

\* Note: For lengths > 300 M, use 50/125  $\mu\text{m}$  fiber. Contact your local sales representative for more information.