Princeton Instruments

USB 2.0 Fiber Optic Interface Kit

This specially designed fiber optic data interface kit allows the computer and the USB2.0 camera head to be separated by up to 500 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 PIXIS, Spec-10, VersArray and PI-MAX families of products as well Acton spectrometers with USB2.0 data interface.

FEATURES	BENEFITS
Cameras supported	PIXIS, PIXIS-XO, PIXIS-XF, Spec-10, VersArray, PI-MAX, and spectrometers with USB 2.0 interface
Fiber connector	LC to LC duplex
Camera/spectrometer connector	USB 2.0
Fiber *	62.5/125 µm multimode for up to 275 M; for > 300 m use 50 µm/125 µm multimode
Distance	Up to 500 M
Connectors	Host end module: 1x USB type B, Duplex LC Camera end module: 4x USB type A, Duplex LC
Data throughput	Max. 480 Mbits/sec
Power input	5V; 3A max for each interface module (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)	Host end module: 100 mm x 76 mm x 26 mm (3.94" x 2.99" x 1.02") Camera end module: 100 mm x 76 mm x 26 mm (3.94" x 2.99" x 1.02")
Weight	0.3 kg (0.6 lb) each

* Not included. Must be ordered separately.

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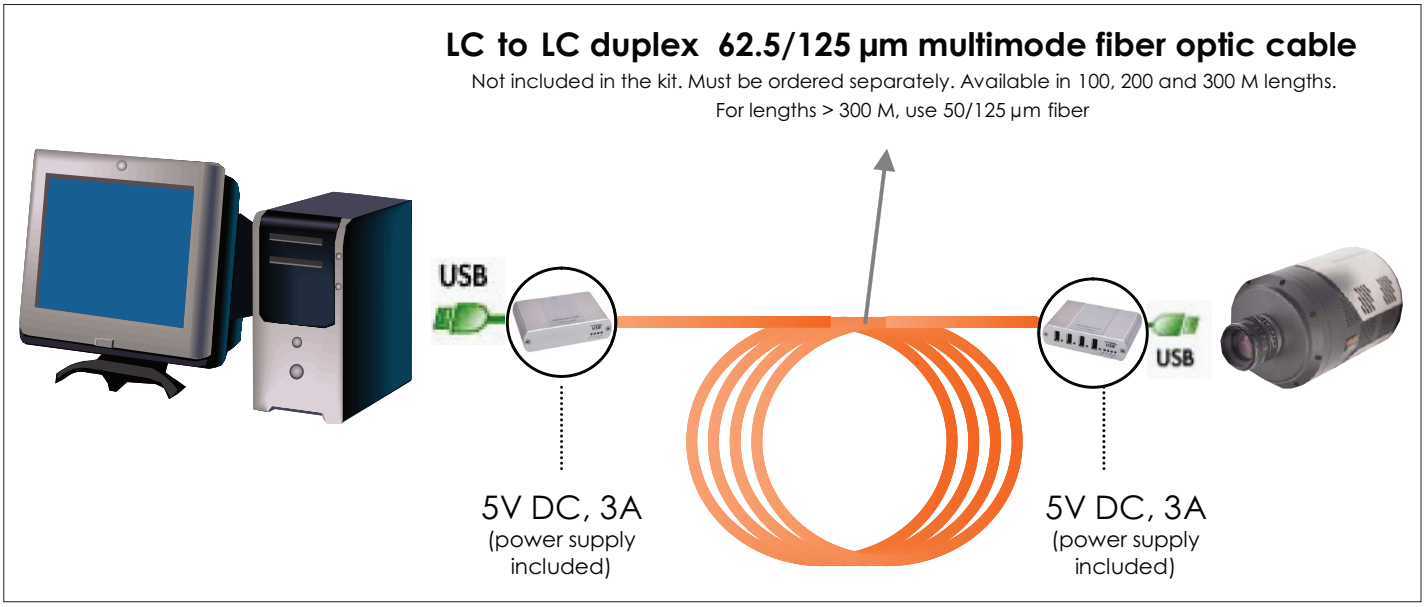
SPECTROSCOPY GROUP

USB 2.0 Fiber Optic Interface Kit Connection Diagram



Ordering Information

Princeton Instruments Part Number	*Description*
2475-0074	Fiber Optic Transceiver Kit for USB2.0 (PIXIS, Spec-10, VersArray, PI-MAX)
2475-0042	100 M, LC to LC duplex 62.5/125 µm fiber optic cable
2475-0043	200 M, LC to LC duplex 62.5/125 µm fiber optic cable
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.