Newnex

FireNEX-5000™
PRODUCT DATA SERIES

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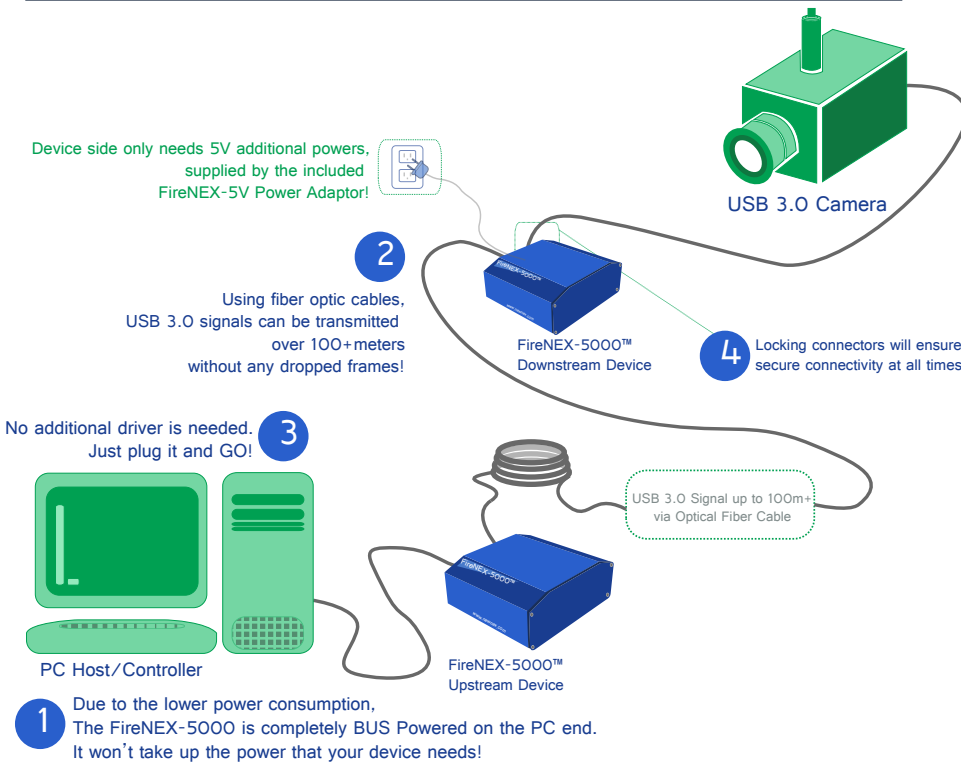
FireNEX-5000™ (Downstream)

FireNEX-5000™
(Upstream)

Main Features

- USB 3.0 signals up to 100+ meters
- Standard optical port (LC connector)
- Two Standard USB 3.0 A ports (Upstream unit)
- One Standard USB 3.0 A port and One Standard USB 3.0 B port (Downstream unit)
- Works with PCs, Macs and Linux
- Light Weight: 173 g
- Compact size: 79 x 69 x 31 mm
- Data rate: 5000 Mbps
- Plug and Play
- ROHS Compliant
- FCC and CE Compliant
- Industrial standard screw locking for all USB ports

Innovative Design

Device side only needs 5V additional powers, supplied by the included FireNEX-5V Power Adaptor!

USB 3.0 Camera

2 Using fiber optic cables, USB 3.0 signals can be transmitted over 100+meters without any dropped frames!

FireNEX-5000™
Downstream Device

4 Locking connectors will ensure secure connectivity at all times.

3 No additional driver is needed. Just plug it and GO!

USB 3.0 Signal up to 100m+ via Optical Fiber Cable

PC Host/Controller

FireNEX-5000™
Upstream Device

1 Due to the lower power consumption, The FireNEX-5000 is completely BUS Powered on the PC end. It won't take up the power that your device needs!

Technical Specification

Range		
Length		up to 100+ meters
Data Transfer Speed		
USB 3.0		5 Gbps/5000 Mbps
Properties		
CONNECTORS		
	Upstream (Device)	2 standard USB 3.0 A ports
	Downstream (PC)	1 standard USB 3.0 A port and 1 standard USB 3.0 B port
	Optical	LC connector (standard optical port)
SIZE		
	Enclosure Dimensions	79 x 69 x 31 mm
	Weight	173 g
Power		
Source (Downstream)		Bus Power
Source (Upstream)		Extenal, supplied with the included FireNEX-5V Power Adapter
Compliance		
RoHS		Compliant
EMC		Compliant
FCC		Compliant
CE		Compliant
Support		
Manufacturer Warranty		1 year

Application

- Machine Vision Camera Connections
- External Storage Connections
- Other computer or controller to device connections

Connecting with Confidence™
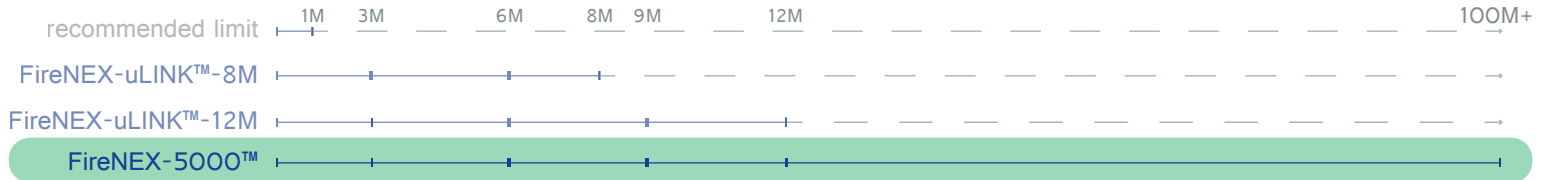
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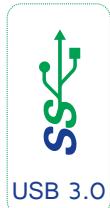
Breaking the Length Barrier

| recommended limit | 1M | 3M | 6M | 8M 9M | 12M | 100M+ |

FireNEX-uLINK™-8M →

FireNEX-uLINK™-12M →

FireNEX-5000™

Although based on the USB-IF Compliance for A to micro B connection, the recommended practical length limit for USB 3.0 is one meter, as the world's first USB 3.0 Optical Repeater, FireNEX-5000™ is capable of extending full-speed USB 3.0 signals of 5.0 Gbps at over 100 times the recommended length, extending up to 100+ meters in distance. This increases application versatility, especially for devices that need to be mounted at a distance away from the controller.

Durable

The FireNEX-5000™ features small metal enclosures which are durable and have better EMI shielding.

Light and Compact

Weighing at 173 grams and 79 x 69 x31mm dimensions (about the size of a standard computer mouse), The FireNEX-5000™ provides connectivity without taking up space in your busy workstation.

Super Speed USB 3.0

USB 3.0

The FireNEX-5000™ provides FULL USB 3.0 Signal transfer at up to 5.0 Gbps.

Low Power Consumption

5.0V

FireNEX-5000™ consumes significantly low power that the PC side is completely BUS Powered and the Device side only needs additional 5V.

User Friendly

The FireNEX-5000™ implements the true plug-and-play features compatible with PCs, Macs, and Linux with no additional drivers.

Machine Vision Compliant

Ensuring reliable connection for Machine Vision Application, The FireNEX-5000™ comes with Machine Vision Compliant Screw Hole Spacing.

RoHS Compliant

RoHS compliant

The FireNEX-5000™ follows the guidelines for restricted dangerous substances in its manufacturing, containing less than 0.01% of Lead (Pb), Cadmium (Cd) and Mercury (Hg).

Contact Us

For any further questions, please contact us at:

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