

TECHNICAL SPECIFICATION

VIDEO	
Format	HDMI 2.0
Video Resolution	Up to 3840 x 2160 @ 30 Hz
Video Bandwidth	Single-link 340 MHz (10.2 Gbps)
Input Interface (TX)	(1) HDMI 19-pin
Output Interface (RX)	(1) HDMI 19-pin
Max Output Distance	Up to 20 ft
Equalization	Automatic
Input TMDS Signal	1.2 Volts [peak-to-peak]
Input DDC Signal	5 Volts [peak-to-peak, TTL]
Data Rate	1.65 Gbps per color
AUDIO	
Format	Stereo
Input Interface (TX)	(1) 3.5mm (Female)
Output Interface (RX)	(1) 3.5mm (Female)
USB	
Input Interface (TX)	(1) USB Type A
Output Interface (RX)	(2) USB 1.1 Type A for KM Devices; (2) USB 2.0 Type A Transparent
Keyboard and mouse	Keyboard and mouse emulation
SYSTEM	
Extension Type	Fiber (LC-LC Duplex)
Cable Requirements	Dual Fiber
Maximum Length	Single mode: 10 km (6.2 miles) Multi mode: 500 m (1640 feet)
OTHER	
Power	100-240 VAC/ 5VDC @ 3A/15W
Dimensions	7.8" W x 1.15" H x 3.65" D
Weight	1 lb (.5 lbs per unit)
Approvals	UL, CE, ROHS Compliant
Operating Temp.	+32 to +104 °F (0 to +40 °C)
Operating Humidity	20% to 80% (non condensing)
Storage Temp.	-4 to 140 °F (-20 to +60 °C)
Storage Humidity	Up to 95% (No Condensation)
Compliance EMC	FCC (Class A), CE (Class A), ICES-003
Compliance	RoHS2 (CE)
Support Warranty	1-year

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
HFX-LT-TX	1	HDMI, USB 2.0, Audio via Dual Fiber Transmitter
HFX-LT-RX	1	HDMI, USB 2.0, Audio via Dual Fiber Receiver
PS5VD3A-WLLMNT	2	PS5VD3A Power Supply
Quick Start Guide	1	

NOTICE

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SMART AUDIO VIDEO INNOVATION

HFX-LT

HDMI, USB 2.0 AND AUDIO KVM DUAL FIBER EXTENDER



**EXTEND DIGITAL VIDEO HDMI
4K@30HZ, USB 2.0,
USB KEYBOARD/MOUSE
AND AUDIO UP TO 10 KM
OVER SINGLE MODE FIBER
UNCOMPRESSED**

Quick Start Guide

ABOUT HFX-LT

The HFX-LT is a Single Head HDMI (3840 x 2160), USB 2.0, USB keyboard-mouse and stereo audio extender, sending signals up to 10 km (6.2 miles) away over a single conventional and inexpensive a dual fiber cable. This new technology is superior to older HDMI extenders that require a special dual fiber shielded cable to go a short distance.

The HFX-LT is the first extender on the market to feature 3840 x 2160, USB 2.0 and full KVM extension on one cohesive system and is optimized for Full HD monitors with crystal-clear picture; excellent for detail driven work.

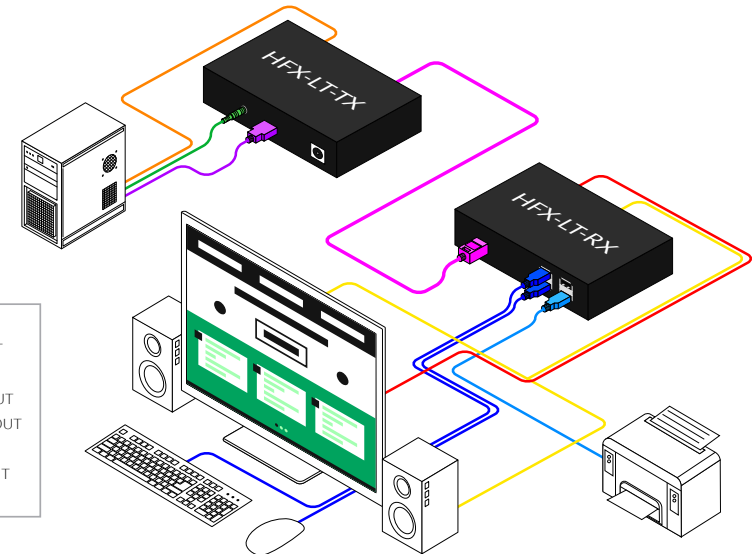
The HFX-LT extends keyboard-mouse signals for remote workflow management and offers uninterrupted emulation from the user's transmitter unit. This uninterrupted emulation prevents accidental disconnection or deactivation issues during mission critical operations. The HFX-LT's unparalleled KVM extension technology makes it the perfect solution for extending servers in applications ranging from data processing to interactive conferencing.

FEATURES

- Extends HDMI up to 10 km (6.2 miles) in the Single Mode and up to 500 m (1640 feet) in the Multi Mode from the source
- Supports up to 3840 x 2160 digital video resolution @ 30 Hz
- USB Keyboard and Mouse extension
- Uncompressed Video
- External power adapter for transmitter and receiver unit
- Supports Stereo Sound
- Compatible with Windows, Mac and Linux Operating Systems
- Transparent USB 2.0 extension

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a HDMI cable to connect the HDMI output port from a computer to the HDMI IN port of the transmitter.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on the computer to the respective USB port of the transmitter.
4. Optionally connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computer to the AUDIO IN port of the transmitter.
5. Connect the transmitter and receiver to each other using a single-mode duplex fiber optic cable.
6. Connect a monitor to the HDMI OUT console port of the receiver using a HDMI cable.
7. Connect a USB keyboard and mouse to the two USB console ports of the receiver.
8. Optionally connect peripheral USB devices, such as a printer or a camera to the other two USB console ports of the receiver.
9. Optionally connect stereo speakers to the AUDIO OUT port of the receiver.
10. Finally, power on the transmitter and receiver by connecting a 5VDC power supply to the power connector, and then turn on the computer.



HFX-LT-TX Front



HFX-LT-RX Front



HFX-LT-TX Back



HFX-LT-RX Back