HFX

4K HDMI EXTENDER OVER FIBER OPTIC CABLES

EXTEND UNCOMPRESSED HDMI SIGNALS UP TO 1,000 FT OVER MULTIMODE FIBER OPTIC CABLING, WITH RESOLUTIONS UP TO 4K ULTRA HD

FEATURES

- Supports HDMI 1.4a
- HDCP Compliant
- Extends HDMI signals up to 1,000 feet at 10.3 Gbps with OM3 multimode fiber optic cabling
- Supports resolutions up to 4K Ultra HD (@ 30 Hz)
- Hot Pluggable
- EMI/RFI Resistant

APPLICATIONS

- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations (Air Traffic Control/Passenger Information)
- KVM Extension
- Medical Campuses (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording Studios

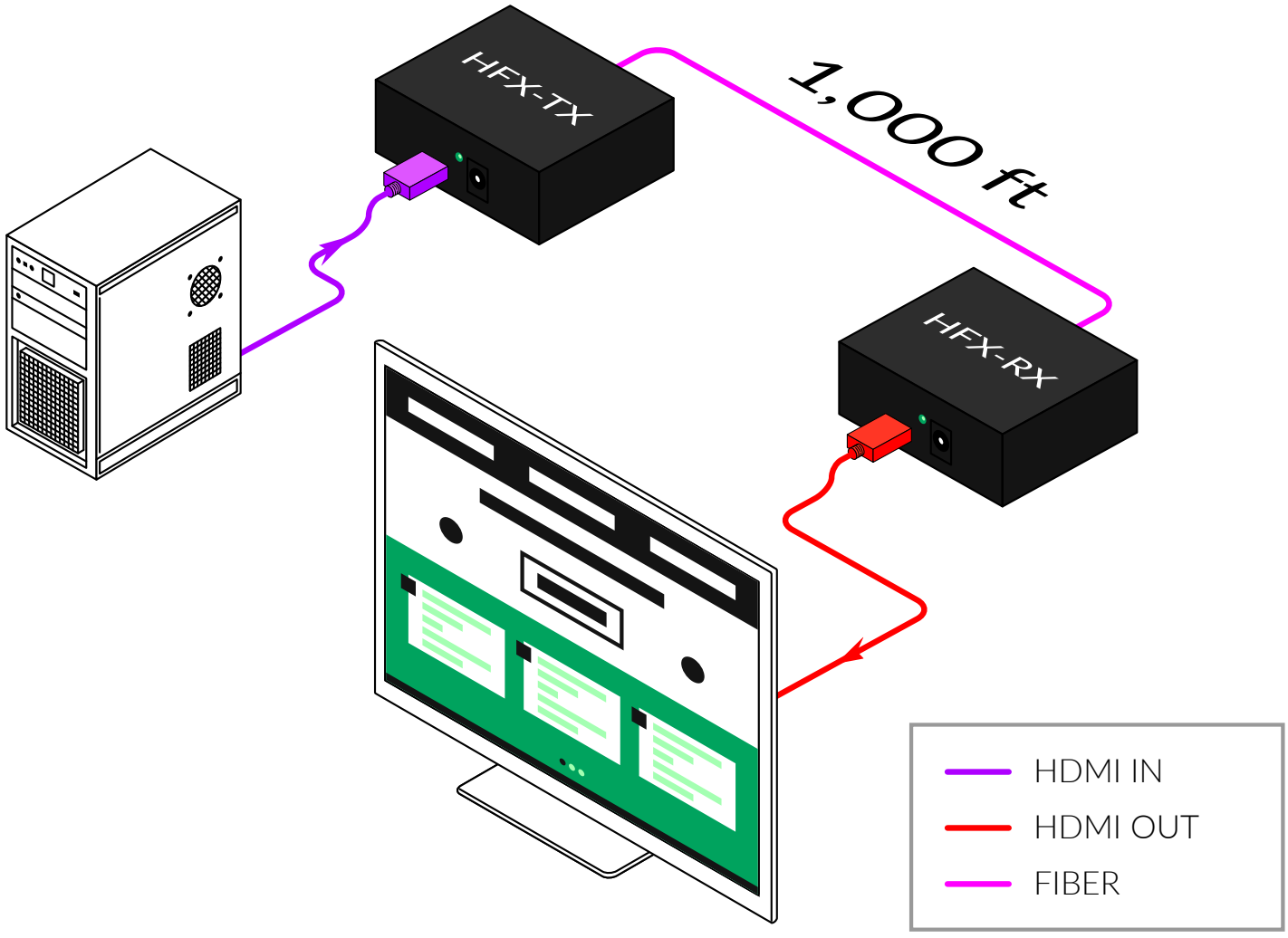
Designed and Manufactured in the USA

OVERVIEW

For reliable, uninterrupted and long-distance HDMI extension, the HFX-Pro provides the best solution with its fiber optic extension capabilities. Users can bridge large gaps that they ordinarily could not with this compact device. The HFX includes the transmitter and receiver, for complete point-to-point signal extension, with no need for any other hardware or software.

The HFX delivers uncompressed HDMI signals up to 1,000 ft (300 m). Supported resolutions go up to 4K Ultra HD (@ 30 Hz), and 3D HD video is also supported. As with all HDMI connections, high-quality digital audio is also transmitted via the extender.

Fiber optic signal extension is the newest and best way to break the distance barriers that plague traditional HDMI connections. By providing additional distance from the input device to the screen, users can handle their HD viewing needs in a number of important environments. This is useful for separating equipment and computers from the place where users are viewing content, which includes environments like medical offices, recording studios, financial centers and much more. Furthermore, fiber optic cables are resistant to electromagnetic and radio frequency interference, creating a stable and reliable connection.



EXTEND FOR ANY APPLICATION IN ANY ENVIRONMENT

SECURITY

When managing content in high-security environments, creating a safe and secure control room is critical. In the vast majority of such applications, that requires routing signals from a server room, where the computers are safely stored, to a control room, where approved personnel access the data and video feeds. Whether that's in a security surveillance center, an operations control room or some other security-related environment, being able to extend video, audio and USB is a must.

The HFX provides system architects with the flexibility they need to create secure environments for servers as well as the end users accessing those computers. And with video signal extension, users can manage their connected computers with expanded display options, enabling them to stay in control of their content at all times.

DIGITAL SIGNAGE

Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital signage hardware in one central location and to extend the video signals out from there.

That means signal extension is an important part of a smart digital signage solution, and the HFX gives users the flexibility they want and need to place their digital signage screens in the right locations to maximize their effectiveness.

AUDIO AND VISUAL RECORDING

For users in the recording arts, maintaining the utmost in signal and recording fidelity is an absolute necessity. For video recording, it is often important that no unsightly computers are visible. Similarly, audio engineers must keep noisy computers away from the rooms where recording happens to ensure the final product sounds professional. In both such instances, the HFX gives users the ideal way to keep their servers or computers away from areas that audio or video recording is being done, ensuring a better final product.

EXTENDER UNITS

HFX-TX Front

HFX-RX Front

HFX-TX Back

HFX-RX Back

TECHNICAL SPECIFICATIONS

VIDEO	
Format	HDMI 1.4 and HDCP compliant
HDTV Resolutions	480p, 720p, 1080i, 1080p/60 Hz/48 bit, 4Kx2K/30 Hz
TV Resolution	480i
Refresh Rate	Up to 130 Hz
Wavelength	850 nm
Bit Error Rate Performance	1.00E-12
Input Interface (TX)	HDMI Type A 19-pin Female TMDS
Output Interface (RX)	HDMI Type A 19-pin Female TMDS
Input Cable Length (TX)	Up to 40 ft
Output Cable Length (RX)	Up to 40 ft
Format	Dolby TrueHD, DTS-HD MA
Input Interface	HDMI (Integrated)
Output Interface	HDMI (Integrated)
Laser Output Power	Class 1; EN 60825-1 2007; EN 60825-2 A2 2010

SYSTEM	
Output Interface	Fiber Optic
Output Cable	Multimode
Maximum Length	1,000 ft (300 m)
OTHER	
Power	External 100-240 VAC/5VDC2A @ 10 W
Dimensions	5”W x 1.125”H x 4.125”D
Weight	1 lb
Approvals	UL, CE, ROHS Compliant
Operating Temperature	0-55 °C (32-131°F)
Storage Temperature	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

PART NO.	DESCRIPTION
HFX-S	HDMI 2K/4K Multimode Fiber Extender. Includes: [HFX-TX, HFX-RX, 2 X (PS5VD2A)]
HFX-TX-S	HDMI 2K/4K Multimode Fiber Transmitter. Includes: [HFX-TX, PS5VD2A]
HFX-RX-S	HDMI 2K/4K Multimode Fiber Receiver. Includes: [HFX-RX, PS5VD2A]

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