

HFX

Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

4K HDMI Extender over Fiber Optic Cables



Extend uncompressed HDMI signals up to 1,000 feet 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 10.3Gbps with OM3 multimode fiber optic cabling
- Supports resolutions up to 4K Ultra HD (@30Hz)
- 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



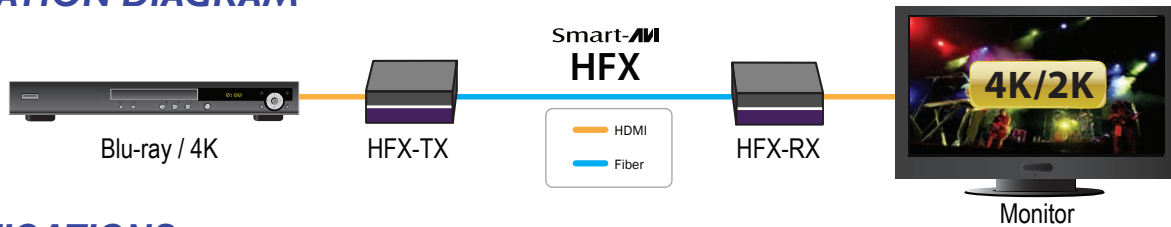
OVERVIEW

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 feet (300 meters). Supported resolutions go up to 4K Ultra HD (@30Hz), 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.

APPLICATION DIAGRAM



SPECIFICATIONS



VIDEO	
Format	HDMI 1.4 and HDCP compliant
HDTV Resolutions	480p, 720p, 1080i, 1080p/60Hz/48bit, 4Kx2K/30Hz
TV Resolution	480i
Refresh Rate	Up to 130Hz
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 feet (300 meters)
OTHER	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	5"W x 1.125"H x 4.125"D
Weight	1 lbs.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95%

ORDERING INFORMATION

Part No.	Description
HFX-S	HDMI Point to Point Fiber Extender, Includes:[HFX-TX, HFX-RX, 2 x(PS5VD2A)]



Designed and Manufactured in the USA

www.smartavi.com

Tel: 800.AVI.2131 • 818.503.6200 • 11651
Vanowen St. North Hollywood, CA. 91605

Smart-AVI
SMART AUDIO VIDEO INNOVATION