

TECHNICAL SPECIFICATIONS

| VIDEO | |
|----------------------------|---|
| Format | HDMI 1.4 and HDCP Compliant |
| HDTV Resolutions | 480p, 720p, 1080i, 1080p @ 60 Hz/48bit, 4Kx2K @ 30 Hz |
| Standard TV Resolution | 480i |
| Refresh Rate | Up to 130 Hz |
| Wavelength | 850 nm |
| Bit Error Rate Performance | 1.00E-12 |
| Input Interface (TX) | HDMI Type A19-pin Female TMDS |
| Output Interface (RX) | HDMI Type A19-pin Female TMDS |
| Input Cable Length (TX) | Up to 40 ft. |
| Output Cable Length (RX) | Up to 40 ft. |

| AUDIO | |
|------------------|-------------------------|
| Format | Dolby TrueHD, DTS-HD MA |
| Input Interface | HDMI (Integrated) |
| Output Interface | HDMI (Integrated) |

| SYSTEM | |
|--------------------|--|
| Interface | LC-Type Fiber Optic Cable Connector |
| Cable Requirements | Multimode, OM3 |
| Maximum Length | 1,000 feet (300 meters) |
| Laser Output Power | Class 1; EN 60825-1 2007; EN 60825-2 A2 2010 |

| OTHER | |
|-----------------|-------------------------|
| Power | External 5VDC2A @10W |
| Dimensions | 1.125"H x 5"W x 4.125"D |
| Weight | 1 lb |
| 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% |

Smart-AVI
SMART AUDIO VIDEO INNOVATION

HFX



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



Designed and Manufactured in the USA

800.AVI.2131

Tel: (818) 503-6200 Fax: (818) 503-6208
11651 Vanowen St. North Hollywood, CA 91605

SmartAVI.com

USER MANUAL

INTRODUCTION

For reliable, uninterrupted and long-distance HDMI extension, the HFX 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.

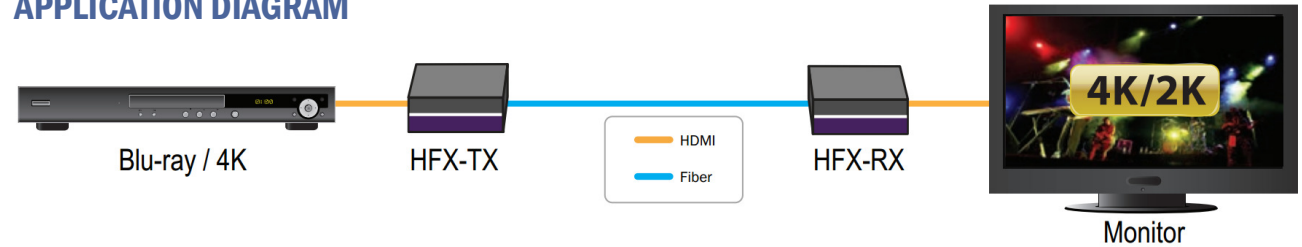
FEATURES

- Supports HDMI 1.4a
- HDCP Compliant
- Extends HDMI signals up to 1,000 feet at 10.3Gbps with OM3 multimode duplex fiber optic cabling
- Supports resolutions up to 4K Ultra HD (@ 30Hz)
- Hot Pluggable
- EMI/RFI Resistant
- LC Type Fiber Optic Connector
- Plug-and-Play
- Quick and Easy Setup

WHAT'S IN THE BOX?

| PART NO. | DESCRIPTION |
|----------|--|
| HFX-S | HDMI Point to Point Fiber Extender, Includes:[HFX-TX, HFX-RX, 2 x (PS5VD2A)] |

APPLICATION DIAGRAM



APPLICATIONS

- Home Theater
- Corporate/Educational Presentations
- Call Centers
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations (Air Traffic Control/ Passenger Information)
- Educational Environments with Remote Displays
- Medical Campuses (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording Studios
- Financial (Remote Servers/User Control)

CONNECTING THE HFX

1. Power off all devices including the HDMI source and display.
2. Connect an HDMI cable from the HDMI source to the HDMI port on the HFX-TX (transmitter).
3. Connect the HFX-TX to the HFX-RX (receiver) using a multimode duplex fiber optic cable (up to 1,000 ft.) with LC type connectors on both ends.
4. Connect an HDMI cable from the HDMI port on the HFX-RX to the HDMI Display.
5. Power on the HFX transmitter and receiver by plugging in their power adapters (5VDC2A).
6. Power on the HDMI source and the display.



HFX (TX/RX) Front



HFX (TX/RX) REAR