

# SFX-2P

## 2-PORT DVI-D & USB 2.0 FIBER EXTENDER



**DUAL DVI-D, STEREO AUDIO, USB 2.0/1.1, RS-232 MULTIMODE FIBER EXTENDER UP TO 1,500 FT**

### FEATURES

- Top signal quality at maximum extension over multimode fiber (1,500 ft) plug type LC
- DVI-D Video Resolutions up to 1920 x 1200 WUXGA at 60Hz
- DDC Learning
- Supports USB 1.1 (12 Mbps) and USB 2.0 (480 Mbps) data rates
- Supports all USB device types transparently (no emulation) from high-speed web cams, hard drives, printers, scanners, audio devices, touch screens, game controllers and more
- Integrated Four-Port Hub in the receiver
- Compatible with all operating systems
- Extends Stereo Audio
- Extends RS-232
- Plug and play

### APPLICATIONS

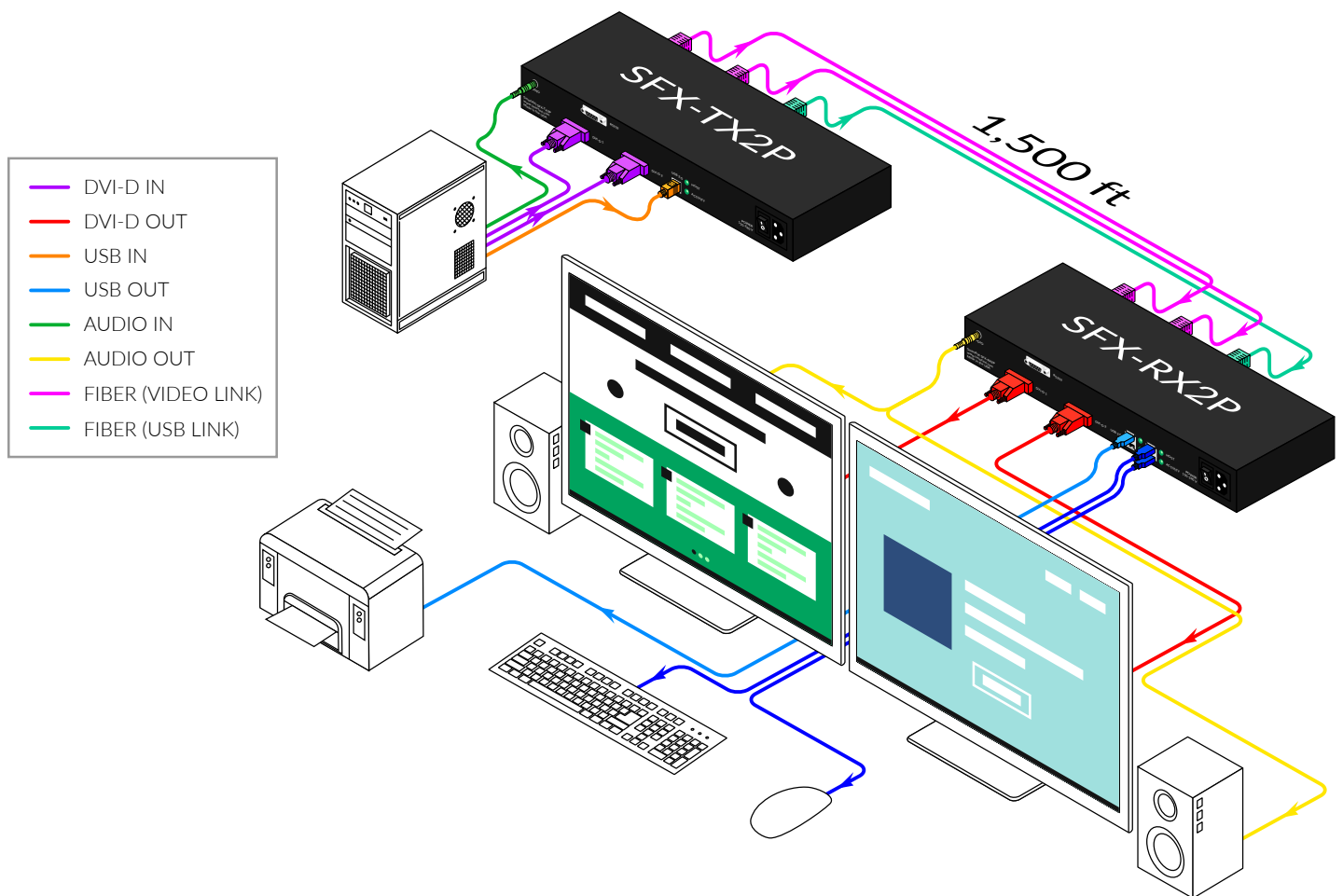
- Medical applications
- Industrial work areas
- Home theater integration
- Digital signage deployment
- Information kiosks/displays
- Film/recording studios



Designed and Manufactured in the USA

# OVERVIEW

The SFX-2P is a perfect solution for extending 2 DVI-D and USB 2.0 signals from a computer in a remote location up to 1,500 feet away. It supports high-resolution DVI-D video and all USB device types from high-speed web cams, hard drives, printers, scanners, audio devices, touch screens, digital cameras and game controllers. The SFX-2P is immune to electromagnetic interference, making it ideal for use in situations where there is considerable interference. The SFX-2P is also very secure because it's fiber optic signals cannot be easily tapped.



# 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 SFX-2P 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 quad DVI-D 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 SFX-2P 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 SFX-2P 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



SFX-TX2P Front



SFX-TX2P Back



SFX-RX2P Front



SFX-RX2P Back

# TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI-D Single Line
Maximum pixel clock	165 MHz
Input interface (TX)	(2) DVI-D 29-pin female
Output interface (RX)	(2) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @ 60 Hz
DDC	5 volts p-p (TTL)
Input equalization	Automatic
Input cable length	Up to 20 ft
Output cable length	Up to 20 ft

RS-232	
Input interface (TX)	(1) DB9 (Female)
Output interface (RX)	(1) DB9 (Female)
Speed	Up to 115 Kbps

USB	
Signal type	EHCI (USB 2.0) and OHCI/UHCI (USB 1.1)
Input interface (TX)	(1) USB type B (female)
Output interface (RX)	(4) USB type A (female)

AUDIO	
Signal type	Stereo audio
Bandwidth	15 MHz, 0 dB
Impedance	10 kOhm
Connector	3.5 mm stereo mini female

OPTICAL	
Fiber type	Duplex, multi mode
Connector type	Duplex LC
Wavelength	1310 nm/1550 nm (dual wavelength)
Data rate	2x2.5 Gbps (2.5 Gbps per single wavelength)
Transmission power	-5 dB min
Receiver sensitivity	-21 dB max
Distance	500 m max

OTHER	
Power Supply	Internal 100-240 VAC
Dimensions	17" W x 1.7" H x 7" D
Weight	8 lbs
Operating temperature	32-131 °F (0-55 °C)
Storage temperature	-4-185 °F (-20-85 °C)
Humidity	Up to 95% (non-condensing)

PART NO.	DESCRIPTION
SFX-2P-M-S	Dual DVI-D, Stereo Audio, USB 2.0/1.1, RS-232 Multimode Fiber Extender Up to 1,500 ft. Includes: [SFX-2P-TX, SFX-2P-RX, 2 x (CCPWR06)]