

# FDX-3000-PRO

SINGLE-MODE DVI-D, STEREO AUDIO, & USB K/M FIBER EXTENDER



**DVI-D VIDEO, STEREO AUDIO, RS-232, & USB K/M SIGNALS  
UP TO 10KM (6.2M) AWAY WITH A SINGLE-MODE FIBER OPTIC CABLES**

## FEATURES

- Single-mode fiber optic extension up to 10 km (6.2m)
- Supports DVI-D
- Supports video resolutions up to 1080p Full HD (1920 x 1080 @ 60 Hz)
- Supports USB 2.0 (keyboard/mouse only)
- Supports stereo audio
- Supports RS-232
- Supports all computer operating systems
- Compact, durable chassis

## APPLICATIONS

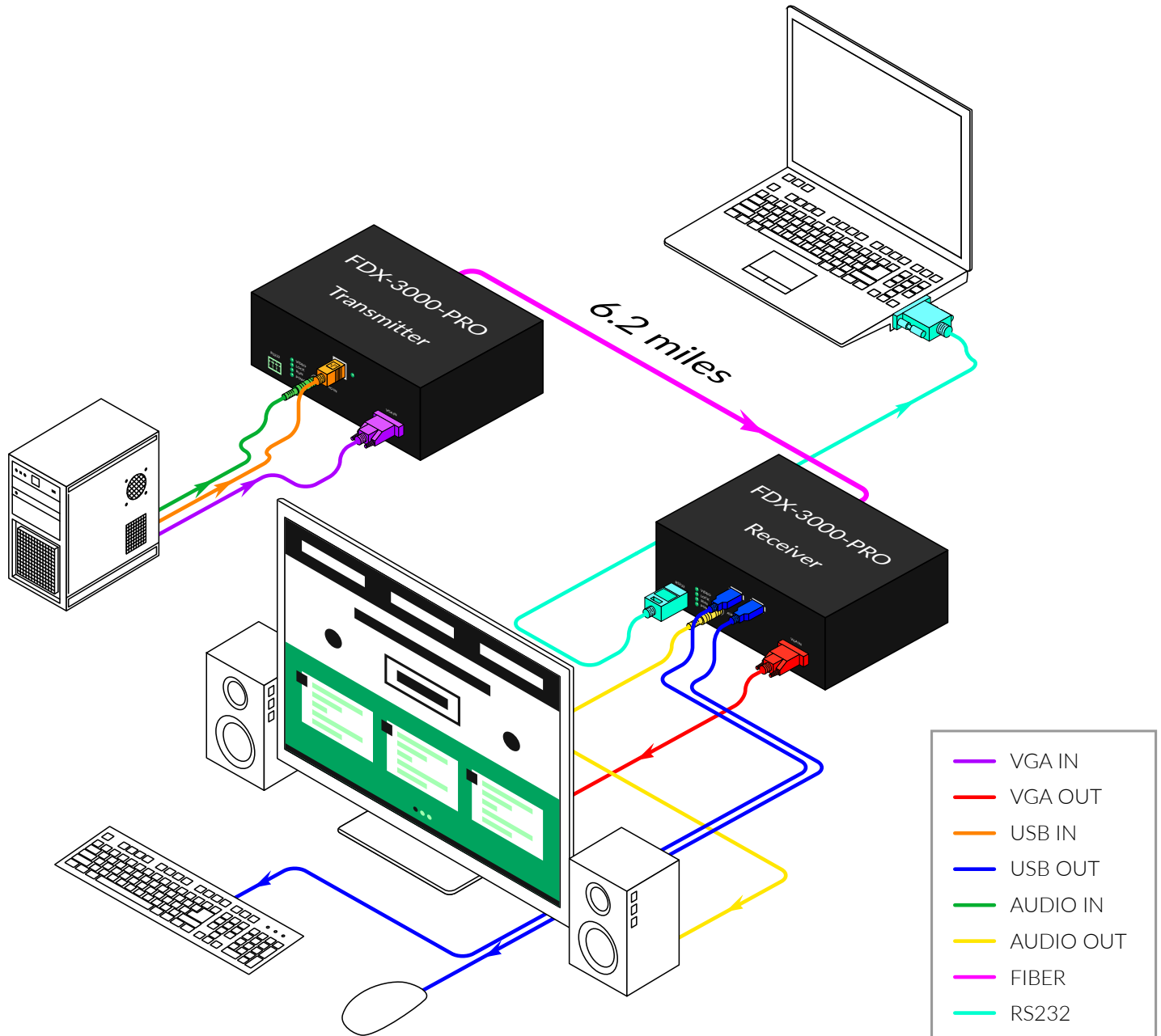
- Industrial control rooms
- Isolated long-range workstations
- Corporate communications
- Remote asset management
- Long-range KVM applications
- Medical communication and administration
- Financial management & communications



Designed and Manufactured in the USA

# OVERVIEW

The FDX-3000-PRO is a single-mode fiber extender for DVI-D video, stereo audio, RS-232, and USB keyboard/mouse signals. Using its powerful fiber optic technology, the FDX-3000-PRO sends 1080p (1920 x 1080 @ 60 Hz) Full HD audio-video and keyboard-mouse signals up to 10 km (6.2m) away at lightning fast speeds without the risk of interference or interception.



# 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 FDX-3000-PRO 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

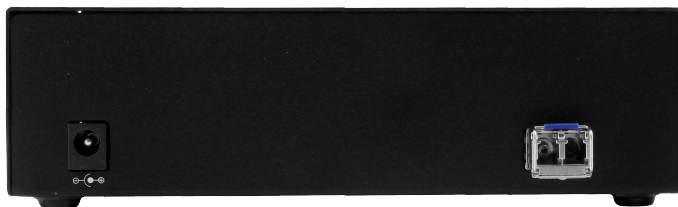
Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital 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 FDX-3000-PRO gives users the flexibility they want and need to place their digital signage screens in the right locations to maximize their effectiveness.

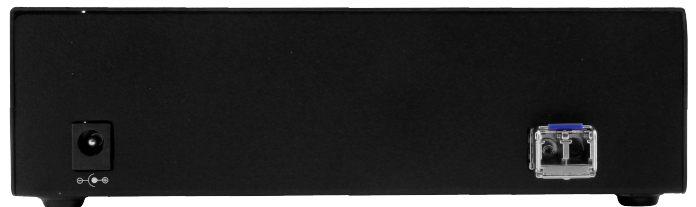
## AUDIO AND VISUAL RECORDING

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 FDX-3000-PRO 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



FDX-3000-PRO-TX Front



FDX-3000-PRO-RX Front



FDX-3000-PRO-TX Back



FDX-3000-PRO-RX Back

# TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(1) DVI-D female (Single-Link)
Output Interface (RX)	(1) DVI-D female (Single-Link)
Resolution	Up to 1080p (1920 x 1080 @ 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	
Signal Direction	Unidirectional
Max. Baud Rate	115200bps (self-adaptive)
Data Bits	8
AUDIO	
Input Interface (TX)	(1) 3.5 mm stereo audio
Output Interface (RX)	(1) 3.5 mm stereo audio

USB	
Signaling	USB keyboard/mouse only
Input Interface (TX)	(1) USB type B
Output Interface (RX)	(2) USB type A
OTHER	
Power Supply	12VDC2A
Dimensions	6.25" W x 1.875" H x 5.0" D
Weight	1.45 lbs
Approvals	UL, CE, ROHS Compliant
Fiber Interface & Type	LC single-mode fiber
Transmission Distance	Up to 10 km (6.2 miles)
Operating Temperature	0-55 °C (32-131°F)
Storage Temperature	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

PART NO.	DESCRIPTION
FDX-3000-PRO-S	Single-Mode DVI-D, Stereo Audio, RS-232, and USB K/M Fiber Extender. Includes: [FDX-3000-PRO-TX-S, FDX-3000-PRO-RX-S & 2 x (PS12VDC2A)]