

# FDX-AVPRO

HD DVI-D FIBER OPTIC EXTENDER OVER CAT5E/6 UP TO 150 FT



EXTENDS HD AUDIO-VIDEO SIGNALS UP TO 10KM VIA A SINGLE FIBER OPTIC CABLE

## FEATURES

- Top Signal Quality at Maximum Extension (10km)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1080p (1920x1080 @ 60Hz)
- Highly compatible, automatic learning
- Supports DVI-D
- Optional RS-232 control
- Plug-and-play ready
- Secure design and casing

## APPLICATIONS

- Corporate presentations
- Educational presentations
- Call centers
- Industrial (remote/long-range communication)
- Information terminals/kiosks
- Transportation installations (airports, train stations, bus hubs, etc...)
- Exceptional remote AV transmission
- Medical supervision (from long-distance)
- Remote recording (for audio and video content)
- Entertainment/sport venue AV



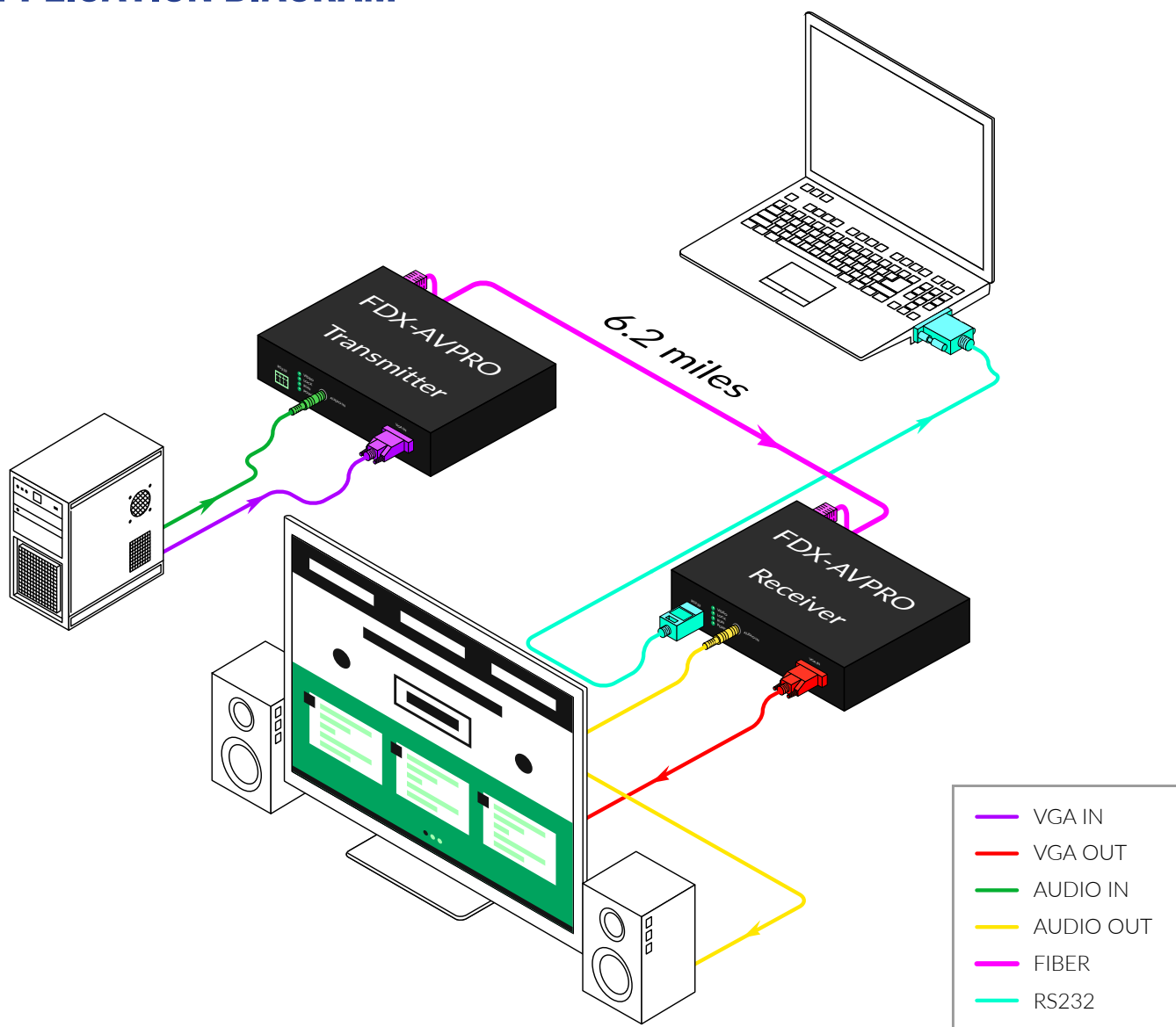
Designed and Manufactured in the USA

# OVERVIEW

Ideal for long-range, lightning fast HD signal transmission and real-time AV extension, the FDX-AVPRO is the premiere fiber optic extender solution in our catalogue. Built with speed, quality, and security in mind, the FDX-AVPRO sends HD DVI-D video and stereo audio signals across distances as vast as 10km without interference or risk of interception.

The FDX-AVPRO features excellent video resolutions up to 1080p (1920x1080 @ 60Hz), stereo audio support, automatic system learning, auto-optimization, and optional RS-232 support. Send HD video content across vast distances with complete security; fiber optic extension is prized in government and the private sector for its speed, safety, and efficiency. Fiber optic connections are virtually impenetrable, so malicious signal tapping is never an issue. Powerful and easy-to-use, the FDX-AVPRO keeps long-distance transmission intimate and engaged at any range.

# APPLICATION DIAGRAM



## 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 and audio is a must.

The FDX-AVPRO 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 a single 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

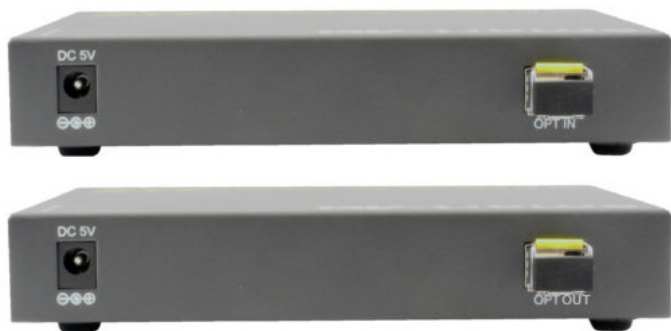
Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital 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 FDX-AVPRO 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-AVPRO 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.

## FRONT AND BACK



FDX-AVPRO Rear



FDX-AVPRO Front

# TECHNICAL SPECIFICATIONS

VIDEO/AUDIO	
Format	DVI-D Single Link, Stereo Audio (3.5 mm)
Maximum Pixel Clock	165 MHz
Impedance	100Ω
Max Data Rate	6.75 Gbps
Resolution	Up to 1080p (1920 x1080 @ 60Hz)
Fiber Interface	LC Connector
Fiber Type	Single-mode fiber
Wavelength	Single-mode 1310nm
Transmission Distance	10km

OTHER	
Dimensions	1.125" H x 6" W x 4.75"D
Weight	1.8 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp	32-131°F (-5-70 °C)

PART NO.	DESCRIPTION
FDX-AVPRO-S	HD DVI-D Fiber Optic Audio Video Extender Includes: [FDX-AVPRO-TX, FDX-AVPRO-RX and 2 X (PS12VDC1A)]

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