TECHNICAL SPECIFICATION

VIDEO	
Format	DVI-D Single Link
Maximum pixel clock	165 MHz
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 1310 nm
Transmission Distance	10 km
AUDIO	
Interface	3.5 mm earphone seat
Signal Type	Stereo Audio
RS-232	
Signal Direction	Unidirectional
Max Baud Rate	115200bps (Self-adaptive)
Data Bits	8
OTHER	
Power Adapter	12VDC1A
Weight (TX+RX)	1.8 lbs.
Dimensions (Each)	1.125” H x 6” W x 4.75”D
Approvals	UL, CE, ROHS Compliant
Operating Temp	32 to 131°F (-5 to 70 °C)
Operating Humidity	5 to 90% (no condensation)

WHAT’S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
FDX-AVPRO-TX	1	DVI-D Fiber Optic Extender Transmitter
FDX-AVPRO-RX	1	DVI-D Fiber Optic Extender Receiver
FDX-AVPRO TRANSCEIVER-TX	2	Fiber Optic Transceiver Transmitter (Blue handle)
FDX-AVPRO TRANSCEIVER-RX	2	Fiber Optic Transceiver Receiver (Yellow handle)
PS12VDC1A	2	Power Adapter
	1	Quick Start Guide

NOTICE

DESIGNED AND MADE IN THE USA

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2455 W Cheyenne Ave, Suite 112
North Las Vegas, NV 89032

SmartAVI.com

Smart-AVI
SMART AUDIO VIDEO INNOVATION

FDX-AVPRO

HD DVI-D
Fiber Optic Extender

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

Quick Start Guide

INTRODUCTION

Ideal for long-range HD signal transmission and realtime 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, and extends RS-232 signals. 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 secure.

FEATURES

- Top Signal Quality at Maximum Extension (10km)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1080p (1920x1080 @ 60Hz)
- Supports DVI-D
- RS-232 Signal Extension
- 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

HARDWARE INSTALLATION

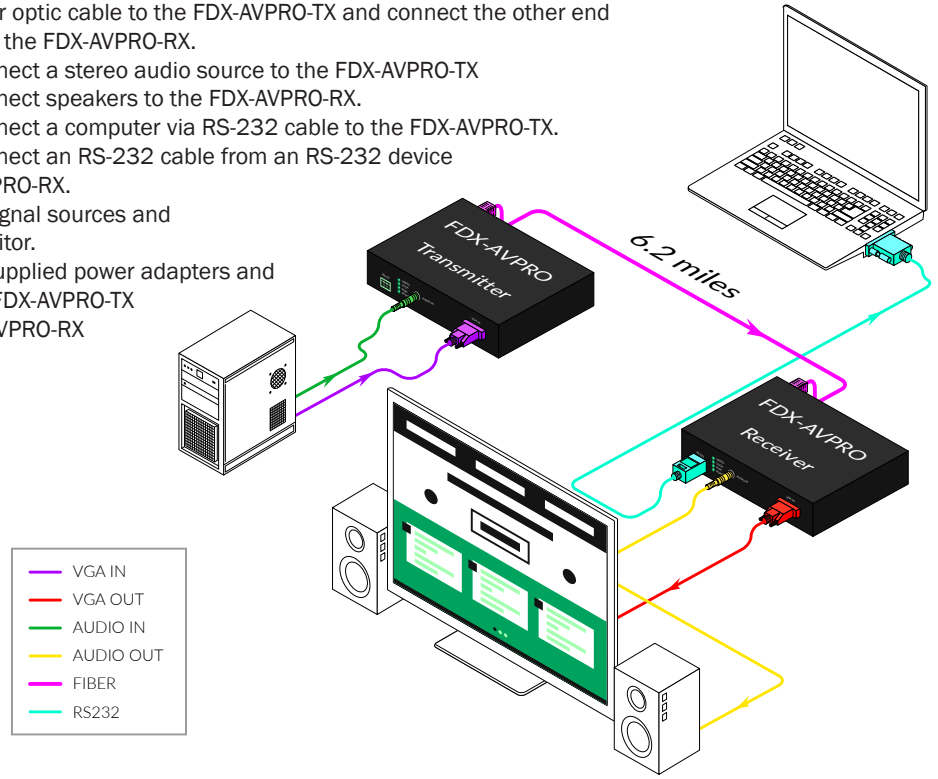
NOTE: Complete the learning EDID section below first.

Learning the EDID settings from the DVI-D monitor.

1. Nothing should be connected to the FDX-AVPRO-TX.
2. Connect the DVI-D monitor to the FDX-AVPRO-TX.
3. Press and hold the EDID button on the back of FDX-AVPRO-TX.
4. Connect the supplied power adapter and power on the FDX-AVPRO-TX. (The Video LED on the back should blink 2 times and become solid).
5. Release the EDID button and disconnect the power adapter and the DVI-D monitor from the FDX-AVPRO-TX.

Completing the Installation.

1. Connect the DVI-D monitor to the FDX-AVPRO-RX.
2. Connect a DVI-D source to the FDX-AVPRO-TX.
3. Connect a fiber optic cable to the FDX-AVPRO-TX and connect the other end of the cable to the FDX-AVPRO-RX.
4. Optionally connect a stereo audio source to the FDX-AVPRO-TX
5. Optionally connect speakers to the FDX-AVPRO-RX.
6. Optionally connect a computer via RS-232 cable to the FDX-AVPRO-TX.
7. Optionally connect an RS-232 cable from an RS-232 device to the FDX-AVPRO-RX.
8. Power on all signal sources and the DVI-D monitor.
9. Connect the supplied power adapters and power on the FDX-AVPRO-TX and the FDX-AVPRO-RX



FDX-AVPRO-TX FRONT

FDX-AVPRO-RX FRONT

FDX-AVPRO-TX BACK

FDX-AVPRO-RX BACK