TECHNICAL SPECIFICATION

VIDEO	
Format	VGA
Input	(1) VGA Female
Output	(1) VGA Female
Max. Pixel Clock	165 MHz
Max. Data Rate	6.75 Gbps
Resolution	Up to 1080p (1920x1080 @ 60Hz)
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
AUDIO	
Input	(1) 3.5mm stereo audio jack
Output	(1) 3.5mm stereo audio jack
RS-232	
Signal Direction	Unidirectional
Max Baud Rate	115200bps (Self-adaptive)
Data Bits	8
OTHER	
Power Adapter	12VDC2A
Dimensions	6.25” W x 1.875” H x 5.0” D
Weight (TX & RX)	1.45 lbs (0.725 lbs per unit)
Approvals	UL, CE, ROHS Compliant
Fiber Interface & Type	LC Single-Mode Fiber
Transmission Distance	Up to 10 km (6.2 miles)
Working Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-4 to 149 °F (-20 to 65°C)
Working Humidity	Up to 85% RH (no condensation)
Storage Humidity	Up to 90% RH (no condensation)

WHAT’S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
FVX-TX3000P	1	VGA, Audio, RS-232 and USB KM Fiber Transmitter
FVX-RX3000P	1	VGA, Audio, RS-232 and USB KM Fiber Receiver
FVX-3000TX-TR	2	Fiber Optic Transceiver Transmitter (Blue handle)
FVX-3000RX-TR	2	Fiber Optic Transceiver Receiver (Yellow handle)
PS12VDC2A	2	Power Adapter
	1	Quick Start Guide

NOTICE

DESIGNED AND MADE IN THE USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

FVX-3000-Pro

Single-Mode VGA, Stereo Audio, RS-232, and USB Keyboard-Mouse Fiber Extender

EXTENDS SINGLE-MODE VGA, USB KEYBOARD-MOUSE, STEREO AUDIO AND RS-232 SIGNAL UP TO 10 KM OVER THE FIBER OPTIC CABLE

Quick Start Guide

INTRODUCTION

The FVX-3000-PRO is a single-mode fiber extender for VGA video, stereo audio, RS-232, and USB keyboardmouse signals. Using its powerful fiber optic technology, the FVX-3000-PRO sends 1080p (1920x1080 @ 60Hz) Full HD audio-video and keyboard-mouse signals up to 10km (6.2mi) away at lightning fast speeds without the risk of interference or interception.

The FVX-3000-Pro excels at transmitting and receiving HD VGA signals over long distances at incredible speeds. Outfitted with fiber optic cables popular in military and government operations, the FVX-3000-Pro is secure and resistant to outside interference. It can be used for KVM activities in businesses, corporations, industrial control rooms, hospitals, server hubs, banking facilities, and more. The FVX-3000-Pro also excels at securely sending confidential media and files across systems thousands of feet apart, ideal for communications, asset delivery, and remote access to sensitive digital materials.

FEATURES

- Single-mode fiber optic extension up to 10km (6.2mi)
- Supports VGA
- 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

HARDWARE INSTALLATION

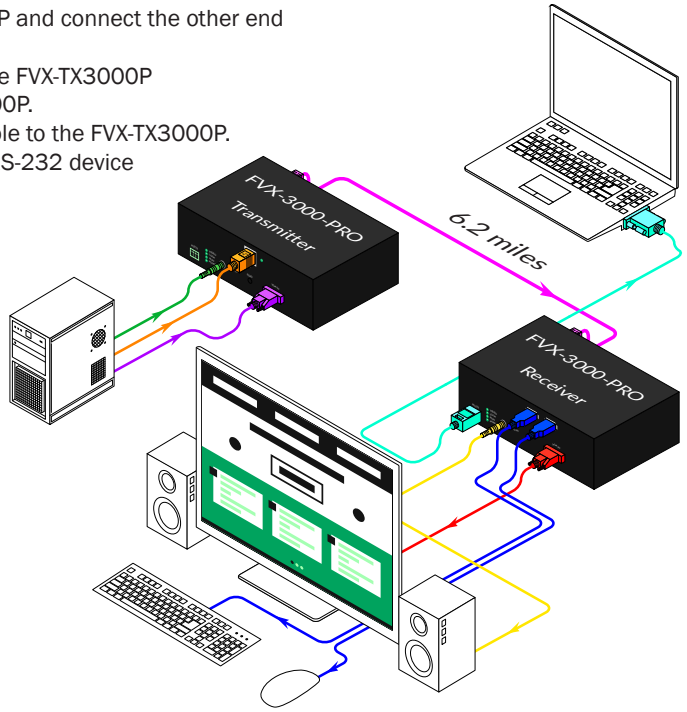
NOTE: Complete the learning EDID section below first.

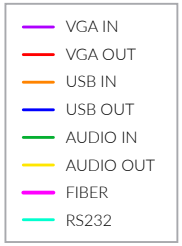
Learning the EDID settings from the VGA monitor.

1. Nothing should be connected to the FVX-TX3000P.
2. Connect the VGA monitor to the FVX-TX3000P.
3. Press and hold the EDID button on the back of FVX-TX3000P.
4. Connect the supplied power adapter and power on the FVX-TX3000P. (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 VGA monitor from the FVX-TX3000P.

Completing the Installation.

1. Connect the VGA monitor to the FVX-RX3000P.
2. Connect a VGA source to the FVX-TX3000P.
3. Connect a fiber optic cable to the FVX-TX3000P and connect the other end of the cable to the FVX-RX3000P.
4. Optionally connect a stereo audio source to the FVX-TX3000P
5. Optionally connect speakers to the FVX-RX3000P.
6. Optionally connect a computer via RS-232 cable to the FVX-TX3000P.
7. Optionally connect an RS-232 cable from an RS-232 device to the FVX-RX3000P.
8. Power on all signal sources and the VGA monitor.
9. Connect the supplied power adapters and power on the FVX-TX3000P and the FVX-RX3000P





FVX-TX3000P FRONT

FVX-RX3000P FRONT

FVX-TX3000P BACK

FVX-RX3000P BACK