

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

The information contained in this document is subject to change without notice. SmartAVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for particular purpose. SmartAVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material.

No part of this document may be photocopied, reproduced, or translated into another language without prior written consent from SmartAVI Technologies, Inc.



800.AVI.2131, 702.800.0005
 2455 W Cheyenne Ave, Suite 112
 North Las Vegas, NV 89032

SmartAVI.com

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 keyboard/mouse 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

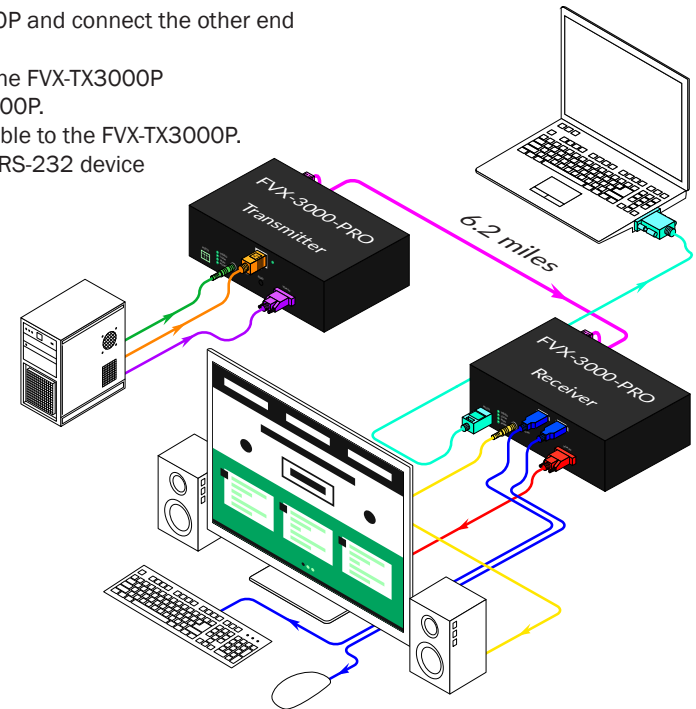
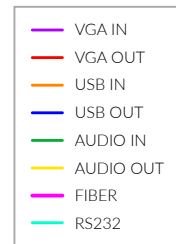
NOTE: Complete the learning EDID section below first.

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-TX3000P BACK



FVX-RX3000P FRONT



FVX-RX3000P BACK

