Technical Specifications

SPECIFICATIONS FVX-2000
Monitors VGA, SVGA, XGA and VESA
Video Signal Analog Signal: Red, Green, Blue, 0.7Vp-p/75 ohms positive Resolution - 1600x1200 Bandwidth - 200 MHz Sync   TTL Compatible
Keyboard/mouse CPUs - IBM PC, SUN, MAC-ADB Keyboard - PS/2, MAC-ADB, SUN Mouse - PS/2, Wheel Mouse Software - Independent
Power Supply   110/240 -5VDC-3A
Fiber Fiber – SC-type 0/125µ multimode fiber – 1,400 feet 62.5/125µ multimode fiber – 700 feet
Size/Weight: (Inches) 4.38"(W) x 5.28" (L) x 1.63 (H), 5lbs

KVM switching

The FVX2000 with local KVM access allows an additional KVM station to be connected to the transmitter. The CPU or KVM switch can easily be operated from the remote or local KVM station not simultaneously. The transmitter is active during boot-up and the connected CPUs video is displayed on both the transmitter and remote KVM stations monitor.

To activate the receiver's KVM station, simply press any key on the KVM stations keyboard. To activate the transmitters KVM station, press any key on the KVM station's keyboard.

NOTICE

For more information, visit www.smartavi.com.

Rack Mountable Option

Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

Smart-AVI
Smart Audio Video Integration

User Manual

FVX-2000

Extends and share any PC Equipped with XVGA and PS/2 KVM Signals up to 1,400 Feet with Multimode Fibers

www.smartavi.com

Introduction

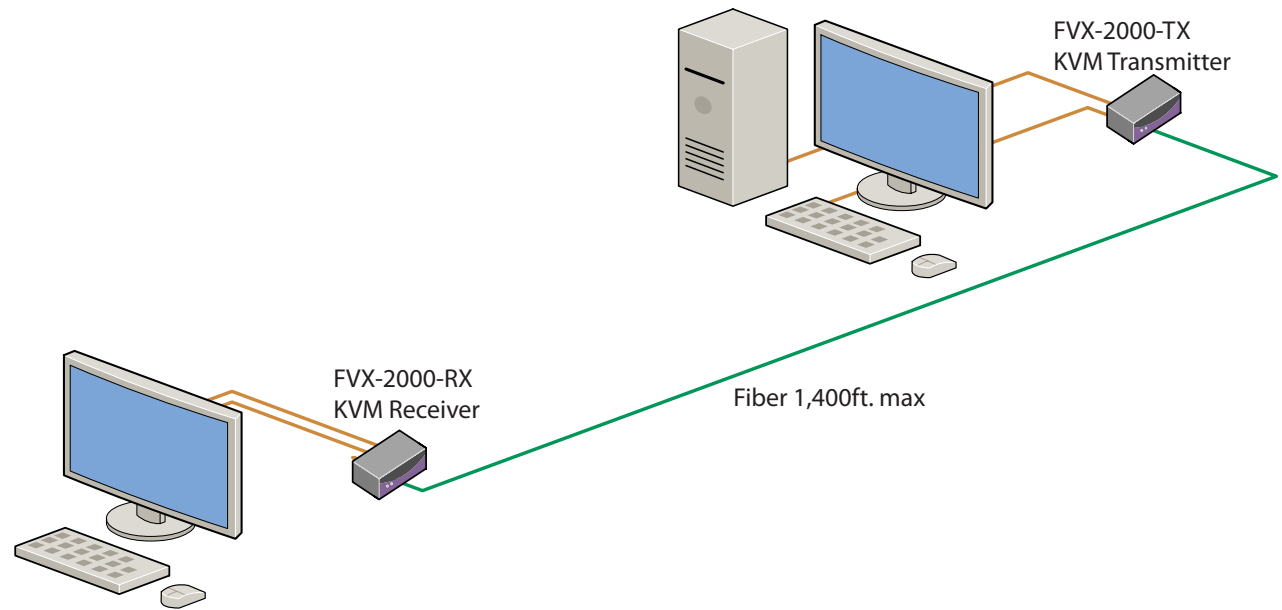The FVX-2000 extends any KVM signal, XVGA and PS/2 up to 1400 feet with fiber cable.

Features

- Top Signal Quality at Maximum Extension Over Multimode Fiber (1,400 ft.)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1600 x 1200 at 60Hz
- Customizable/Programmable DDC Table
- Dual Access/Local Keyboard and Mouse
- Supports PS/2 Keyboard/Mouse
- Supports XVGA
- Supports all PC/AT and PS/2 Keyboards with Full Emulation
- Caps Lock, Num Lock and Scroll Lock are Automatically Saved and Restored
- Fiber Plug Type LC
- Compatible With all Operating Systems
- Compatible With all Major KVM Switches
- Compact Metal Casing

Applications

- **Sharing:** Enables easy access to one server from remote location.
- **Security:** Safeguards the servers by storing them in a secure and climate controlled environment.
- **Saving:** Saves equipment costs, physical space and utilities expense.
- **Productivity:** Increases productivity by facilitating testing and performance evaluation of software and equipment, on multiple servers.
- **Multimedia:** Can be used in multimedia presentations where the presentation information is broadcasted to various KVMs.

Installation Diagram

FVX-2000-TX
KVM Transmitter

FVX-2000-RX
KVM Receiver

Fiber 1,400ft. max

Installation

1. Before installing any SmartAvi products, verify that the computer's XVGA, mouse and keyboard all work properly when connected directly.
2. Power off computer and monitor.
3. Using compatible cables, connect the XVGA, mouse, keyboard , from the PC to the FVX-TX2000.
4. Connect and run 2 SC fiber from the FVX-TX2000 to the FVX-RX2000's location.
5. Plug in the XVGA monitor, mouse, keyboard to the FVX-RX2000.
6. Connect the power supplies to the transmitter and receiver. The Power Light will be illuminated.
7. When the fiber connection is working correctly, the Link Light will remain steady.
8. Turn on the computer and monitor.

Installing and preparing the Fiber

1. Fiber used, SC type
2. 62.5µ fiber optic cable , 800 ft.
3. 1400µ fiber optic cable, 1,400 ft
SC Fiber

Transmitter

Receiver