CrystalView DVI Fiber

Digital Fiber KVM extender

Extends keyboard, video, and mouse
signals up to:
    650ft (200m) w/ 62,5μm Multimode-Fiber
    1300ft (400m) w/ 50.0μm Multimode-Fiber
33,000ft (10,000m) w/9.0μm Singlemode-Fiber
  1,250ft (2,000m) w/3.2 GBit model)

Supports DVI-D video at resolutions
up to 1920 x 1200

3.2 GBit optional models

User selectable DDC table

Serial and Audio option

Supports Singlemode and Multimode fiber cables

PS/2 or USB keyboard and mouse support

Single or Dual video models

Easily adapted to your system

Features and Benefits

- Supports:
  - DVI-D video modes
  - PS/2 or USB keyboards and mice
  - Bi-Directional serial (Optional)
  - Full CD Quality stereo audio (Optional)
- Extend a KVM station from a CPU using fiber cable up to 6 miles (1¼ mile for 3.2 GBit model)
- Video resolutions up to 1920 x 1200 @ 60Hz
- Supports 18–Bit color (256,000 colors)
- Single and Dual video models available
- Compatible with all operating systems
- Fully automatic KVM sharing on local access models
- Status and Data error indicators on all units
- Easy installation and operation

The CrystalView™ DVI Fiber Advantage

The CrystalView DVI Fiber is the KVM extender of choice for businesses that need to extend and operate a computer, server, or KVM switch from a great distance. The CrystalView DVI Fiber makes this possible by the use of singlemode or multimode fiber cable. You can fully operate and control a computer or server from as far away as 6 miles using 9μm singlemode fiber (1.25 miles using the 3.2 GBit model). The CrystalView DVI Fiber supports all combinations of DVI-D monitors and video cards.
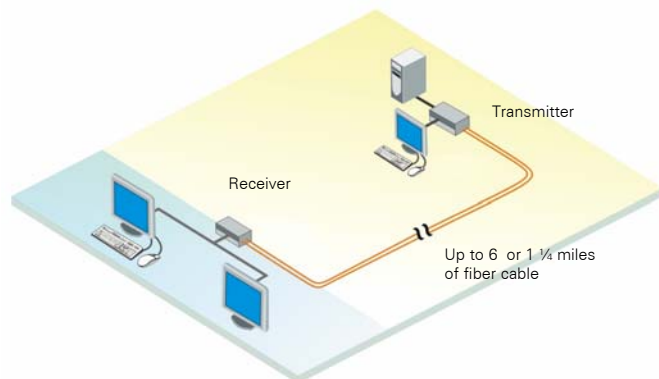
The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's keyboard, DVI-D monitor, and mouse connectors, or to a Rose KVM switch. The receiver connects to a keyboard, DVI-D video monitor and mouse or KVM station. The transmitter and receiver are connected together with fiber cable. The receiver can be up to 6 miles from the transmitter using 9μm Singlemode-Fiber (1.25 miles using the 3.2 GBit model).

All models are available with both transmitter and receiver KVM access. The transmitter's KVM access allows an additional KVM station to be connected to the transmitter unit. If your system requires dual video, the CrystalView DVI Fiber dual video model can fully support it.

Fiber makes extended
distances easy to reach

Typical Application

Dual DVI Video model Application
Digitally access a computer from two locations,
locally and remotely

CrystalView DVI Fiber basics   The CrystalView DVI Fiber system consists of a transmitter that connects to a PC, server, or KVM switch and a receiver that connects to a keyboard, monitor, and mouse or a KVM switch. The transmitter and receiver units are connected together with up to 1¼ or 6 miles of standard fiber cable depending on model.

Models   The CrystalView DVI Fiber is available in a PS/2 or USB model. All models allow for a second KVM station next to the PCs, providing operation from the transmitter or the receiver unit. There is also a dual video model for systems that need to digitally transmit a second video source.

Installation   Installing the CrystalView DVI Fiber units is as easy as connecting the KVM station to the receiver, connecting the CPU to the transmitter, and connecting the transmitter to the receiver with fiber cable.

Keyboard and Mouse emulation   The CrystalView DVI Fiber uses a microprocessor to emulate the keyboard and mouse. Only the transmitter unit has to be connected for the PC to boot properly.

Part Numbers – Multi-Mode Fiber Extender kits*

CRK-2DFMPD1D	PS/2 model
CRK-2DFMUD1D	USB model
CRK-2DFMPD2D	PS/2 Dual Video
CRK-2DFMUD2D	USB Dual Video

Part Numbers – Single-Mode Fiber Extender kits*

CRK-2DFSPD1D	PS/2 model
CRK-2DFSUD1D	USB model
CRK-2DFSPD2D	PS/2 Dual Video
CRK-2DFSUD2D	USB Dual Video

*kits include transmitter and receiver units

/AUD part number suffix = serial and audio option
/3.2 part number suffix = 3.2 GBit model option

Specifications

Dimensions	4.125W x 5.625D x 1.375H (in) 10.0W x 14.4D x 3.0H (mm) H = 2.7in (6.3mm) for dual video
Weight	0.65 lbs / 0.3 kg (each) 1.20 lbs / 0.6 kg (each-dual video)
Operating Temp	5˚C – 45˚C / 41˚F – 113˚F
Storage Temp	-25˚C – 60˚C / -13˚F – 140˚F Humidity 80% max, non-condensing
Resolution	up to 1920 x 1200 @60 Hz
Connectors	Video – DVI – I Keyboard – MiniDIN6 / USB Type A Mouse – MiniDIN6 / USB Type A Fiber – LC fiber
Power	90-240 VAC to 5.0 VDC / app. 10W
Power Requirements	Local unit: 750 ma max Remote Unit: 750 ma max
Max distance	650ft (200m) 62,5μm Multimode 1300ft (400m) 50.0μm Multimode 33,000ft (10km) 9.0μm Singlemode 1,250ft (2,000m) w/3.2 GBit model)
Indicators (LEDs)	Front panel – power Video check LED RJ45 LEDs – Data error / status
Approvals	CE
Serial Data:	Baud Rate up to 19,200 Data Flow - Format independent Flow control - RTS, CTS, DTR, DSR
Audio Data:	Signal level 5V p-p Impedance 47KΩ Connectors 3.5mm stereo jack Transmission 16 bit, 38.4KHz Digitized audio Microphone Powered or un-powered Speakers Powered

CrystalView DVI Fiber
(Single video model)

CrystalView DVI Fiber
(Dual video model)

USB keyboard and mouse models available

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W W W . R O S E . C O M