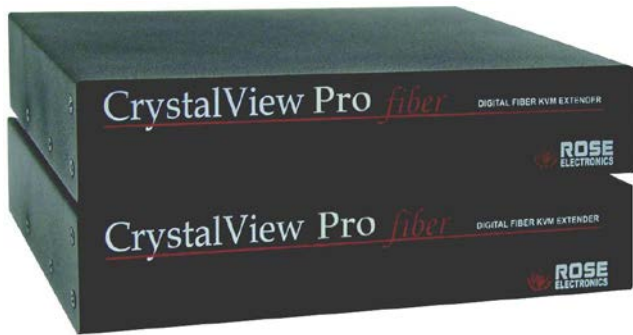# CrystalView Pro *fiber*

Digital Fiber KVM Extender

Digital fiber KVM extender (DVI/VGA)

- Supports DVI and VGA video at resolutions up to 1600 x 1200 (1920 x 1200 @ 60Hz, 2.5G option available)
- Extends keyboard, video, mouse, serial, and audio signals up to 33,000 feet (10km) away
- Supports PS2 or USB (1.1 Compliant)
- All models feature dual access local user port
- Easily adapted to your system

Features and Benefits…

Supports:

- DVI and VGA video modes
- PS/2 and USB keyboards and mice
- Serial and Full stereo audio (optional)

Extend a KVM station from a CPU using fiber cable:

- (MultiMode) 62.5-micron cable up to 650 feet
- (MultiMode) 50-micron cable up to 1,300 feet
- (SingleMode) 9-micron cable up to 33,000 feet
- Video resolution up to 1600 x 1200 @ 60Hz
  (1920 x 1200/2.5Gig Option with LC Fibre)
- Flexible modular architecture
- Compatible with Rose Electronics KVM switches such as ServeView Pro, UltraView Pro, and UltraMatrix
- Compatible with Windows, Windows NT, OS/2, Unix, Linux, and other operating systems
- Uses a microprocessor to emulate the keyboard and mouse. The PC will boot correctly with only the Transmitter unit connected.
- Fully automatic KVM sharing
- Only two fibers needed
- Digital OSD setup menu
- Rackmount kits available in 19", 23", or 24" sizes

The CrystalView Pro *fiber*™ Advantage…

The **CrystalView Pro fiber** is the KVM extender of choice for businesses needing to extend and operate a computer, server, or KVM switch from a remote location. The **CrystalView Pro fiber** makes this possible by the use of standard fiber optic cable. You can fully operate and control a computer or server from as far away as 33,000 feet using SingleMode (9-micron) fiber cable.

The **CrystalView Pro fiber** supports both DVI and analog VGA video (via DVI/VGA adapters).

All combinations of DVI and VGA video cards and monitors are supported.

The OSD features are accessed from the remote unit. These features make it easy to adjust all the necessary device parameters, color, brightness, contrast, and saturation. Using fiber cable, you can extend the distance between the transmitter and receiver further than with conventional CAT5 cable. In addition, fiber cable is unaffected by electromagnetic interference, keeping your data safe from interference from lightning and over voltage transients.
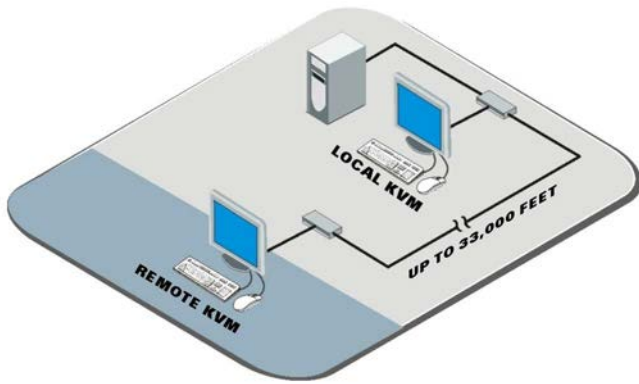
The modular architecture makes the **CrystalView Pro fiber** easily adapted to your system. PS/2 and USB peripherals are supported. CAT5, Multi-Mode and SingleMode fiber cabling, serial for Touchscreen and stereo audio are also supported as options.

On-screen display

Typical Application:

Accessing a computer from two locations,
Local KVM and Remote, up to 33,000 feet away

CrystalView Pro fiber basics: The *CrystalView Pro fiber* consists of a transmitter connected 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 33,000 feet (10km) of standard Singlemode 9-micron optical fiber cable.

The ideal way to apply the *CrystalView Pro fiber* is to connect the transmitter to a Rose Electronics KVM switch. Expanding the switch allows the receiver to access all connected computers or servers. The Rose KVM switch can be connected between the transmitter and computers, the KVM station and the receiver unit, or both.

Installation: Installing the *CrystalView Pro fiber* unit 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.

Models: The *CrystalView Pro fiber* is available in different models with PC and USB support. The PC model is available as a dual-user version allowing for a second KVM station next to the PC, providing operation from the transmitter or the receiver unit. The computer video is displayed on the local monitor (no conversions) and the remote monitor (DVI to VGA or VGA to DVI conversion options). A rack version containing 10 transmitters or receivers is also available. The single fiber models are application specific models supporting unidirectional video and audio only (no keyboard/mouse)

Keyboard and mouse emulation: The *CrystalView Pro fiber* uses a microprocessor to emulate the keyboard and mouse allowing the user to boot the attached CPU with only the transmitter device connected.

Rack Assembly: The *CrystalView Pro fiber* can be ordered in a 10- unit rack assembly. (PS2 model only)

10 Unit Rack

Part Numbers:

Part Number	Description
CRK-2DFMPDVI	PS/2 Dual Local KVM Multi Mode
CRK-2DFSPDVI	PS/2 Dual Local KVM Single Mode
CRK-1DFMUDVIB	USB Multi Mode
CRK-1DFSUDVIB	USB Single Mode
CRK-1DFMPDVI/SF	PS/2 Dual Local KVM Single Fiber Multi Mode
CRV-DLDFMPDVI	PS/2 Dual Local KVM Multi Mode
CRV-DLDFSPDVI	PS/2 Dual Local KVM Single Mode
CRV-SLDFMUDVIB	USB Local KVM Multi Mode
CRV-SLDFSUDVIB	USB Local KVM Single Mode
CRV-SRDFMPDVI	PS/2 Remote KVM Multi Mode
CRV-SRDFSPDVI	PS/2 Remote KVM Single Mode
CRV-SRDFMUDVIB	USB Remote KVM Multi Mode
CRV-SRDFSUDVIB	USB Remote KVM Single Mode
CRV-SRDFMPDVI/SF	PS/2 Remote KVM Single Fiber Multi Mode
CRV-DLDFMPDVI/SF	PS/2 Dual Local KVM Single Fiber Multi Mode
CRV-SLDFMPDVI/SF	PS/2 Local KVM Single Fiber Multi Mode
CRK-1DFMUDVI.C/2.5	USB Multi Mode with 2.5G Module
CRK-1DFSUDVI.C/2.5	USB SingleMode with 2.5G Module
/AUD	Audio & Serial option
/2.5	2.5 GBit module option (uses LC-Fibre) (Distance limitations apply with 2.5G module)
-IRK	Plug-in card
ACC-DVIMVF	DVI to VGA adapter
RM-UM19	Rackmount kit 19"
TFR-06D200FSU4A	6VDC / 200 ma power adapter
ACC-DVIMVF	DVI-I male to HD15 F video adapter

Note: Single fiber models are application specific, unidirectional video and audio only models

Specifications:

Dimensions:	Width	Depth	Height	Weight
(in.)	8.8	6.3	1.75	3.3 lbs
(cm)	224	160	445	1.5 kg

Operating Temp: 10˚C - 45˚C / 50˚F - 113˚F Humidity 80% max, non-condensing

Resolution: Up to 1600 x 1200 @ 60Hz

Connectors:
Video - DVI-I
 Fiber - Type SC - on standard units
         Type LC – on 2.5Gig Units
PS2 - Keyboard/Mouse – MiniDin6 (2)
USB - Keyboard/Mouse – Type A/B
Power - 4-Pin square on each unit
Program Port - RJ22
Serial - DB9F (TX), DB9M (RX)
Audio - 3.5mm stereo jack (2)

Wavelength/ Power:
(Multimode) - 850nm / 70--400µw
(Singlemode) - 1300nm / 180-2000µw

Dual Port PS2 Model with Audio/Serial

Dual Port USB Model

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