CrystalView Pro fiber

Digital fiber KVM extender

Extends keyboard, video, and mouse signals up to 33,000 feet away.

Supports DVI and VGA video at resolutions up to 1600 x 1200

Supports PC, Sun, or USB

Single or Dual models

Easily adapted to your system.

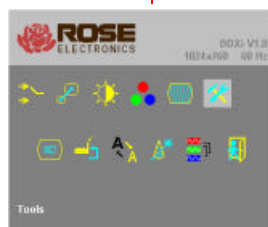## Features and Benefits

- Supports:
  - DVI and VGA video modes
  - PS/2, Sun, and USB keyboards and mouse.
  - Full stereo audio (optional)
  - Serial (Optional)
  - Ethernet 10BaseT (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 resolutions up to 1600 x 1200 @ 60Hz.
- Flexible modular architecture
- Compatible with Rose Electronics KVM switches such as ServeView, UltraView 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 keyboard and mouse on the remote unit do not have to be connected for the PC to boot; only the local Unit must be connected to the PC.
- Fully automatic KVM sharing (local access model)
- Only two fibers needed
- Digital OSD setup menu
- 1U rack mount – 19", 23", 24"

The CrystalView Pro™ *fiber* Advantage . . .

The CrystalView Pro 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 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 9-micron fiber cable (singe mode)

The CrystalView Pro fiber supports both DVI video as well as analog VGA video. All combinations of DVI and VGA video cards and monitors are supported. The OSD features make is 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 Cat-5 cable. In addition, fiber cable is unaffected by electromagnetic interference, keeping your data safe from interference from lightning and over voltage transients.
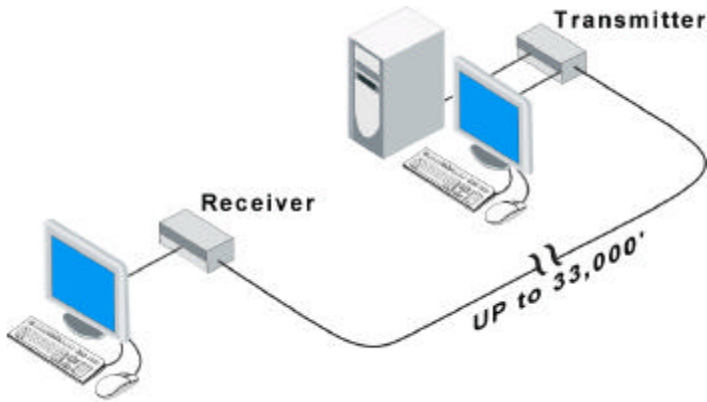
The modular architecture makes the CrystalView Pro fiber easily adapted to your system. PS2, SUN, and USB peripherals are supported. Cat-5, Multimode and Single mode fiber cabling, serial for Touchscreens and stereo audio, parallel for printers, and 10BaseT Ethernet is also supported.

On-screen display

Typical Applications

Accessing a computer from two locations,
one is local, the other is 33,000 feet away

CrystalView Pro *fiber* basics:

The CrystalView Pro fiber consists of a local unit that connects to a PC, server, or KVM switch and a remote unit that connects to a keyboard, monitor, and mouse, or a KVM switch. The local and remote units are connected together with up to 33,000 feet of standard 9-micron optical fiber cable.

CrystalView Pro *fiber* models:

The CrystalView Pro fiber is available in different models including a rack version containing 10 transmitters/receivers, models with PC connectors, SUN connectors, and a USB model.
The PC model is available in a dual version. This allows for a second KVM station next to the PCs, providing operation from the local or remote unit.

Extending to a Rose switch:

The ideal way to apply the CrystalView Pro fiber is to connect the local unit to a Rose KVM switch. Expanding the KVM switch allows the remote unit to access up to 1,000 computers or servers. The Rose switch can be connected between the local unit and the computers, the KVM station and the remote unit, or both.

Keyboard & mouse Emulation:

The CrystalView Pro fiber uses a microprocessor to emulate the keyboard and mouse. This means that the keyboard or mouse do not have to be connected to the remote unit for your PC to boot. Only the local unit must be connected to the PC.

Dual model features:

The dual PC model allows an additional KVM station to be connected to the local unit. The PC can be operated from either a KVM station on the remote unit or the one on the local unit.

Installation:

Installing the CrystalView Pro fiber units is as easy as connecting the KVM station to the remote unit, connect the CPU to the local unit, and connect the local unit to the remote unit with the fiber cable.

Flash Memory

To support the latest devices and provide continuing features and support, CrystalView Pro fiber PC model is flash up gradable using a programming tool on your computer.

Part numbers

CRK-2DFMPDVI	PC	(Multimode)
CRK-1DFMPDVI	PC	(Multimode)
CRK-1DFMSDVI	Sun	(Multimode)
CRK-1DFMUDVI	USB	(Multimode)
CRK-2DFSPDVI	PC	(Singlemode)
CRK-1DFSPDVI	PC	(Singlemode)
CRK-1DFSSDVI	SUN	(Singlemode)
CRK-1DFSUDVI	USB	(Singlemode)

/AUD Suffix = Audio & serial option

RM-UMxx	Rack mount kit (xx=19", 23", or 24")
CAB-50MMDFSC	MultiMode duplex fiber 50/125µ
CAB-62MMDFSC	MultiMode duplex fiber 62.5/125µ
CAB-09SMDFSC	SingleMode duplex fiber, 09/125µ

Specifications

Dimensions	8.8"W x 6.3"D x 1.75"H
	224mm x 160mm x 445mm
Weight	3.3 lbs / 1.5 kg (each unit)
Operating Temp.	10°C - 45°C
Humidity	80% max, non-condensing
Resolution	Up to 1600 x 1200 @ 60Hz
Connectors	Video – DVI
	PC-PS/2 keyboard/mouse -MiniDin-6F
	SUN keyboard/mouse – MiniDin-8F
	USB-keyboard/mouse – Type A
	USB-keyboard/mouse – Type B
	(USB 1.1 compatible)
	Power – 4-pin square
	Program – RJ22
	Serial – DB9M/F
	Audio – 3.5mm stereo jack
	Fiber Dual SC-type
Power	90-240 VAC / 500mA, 8 watts
Wavelength	(MultiMode) -850nm
	(SingleMode) – 1300nm
Laser Power	(MultiMode) 70 – 400 µw
	(SingleMode) 180 - 2000µw

The transmitter and receiver are Class 1 laser products. The MultiMode transceivers comply with IEC825-1 and FD 21 CFR 1040.10 and 1040.1.1.

DUAL PC MODEL WITH SERIAL AND AUDIO

DUAL PC MODEL / 10 UNIT RACK

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