



## Digital CATx/Fiber KVM extender

Extends keyboard, quad video, and mouse signals up to 33,000 feet over Singlemode fiber

Supports DVI-D video at resolutions up to 1920 x 1200 @60Hz over all allowed distances; 1280 x 1024 @75Hz over all allowed distances

User selectable DDC table

Serial and Audio support on all models

Supports Singlemode and Multimode fiber cables

PS/2 and USB keyboard and mouse support

All models provide Dual access

Easily adapted to your system

## Features and Benefits

- Supports:
  - 4x DVI-D Singlelink video modes
  - PS/2 or USB keyboards and mice (HID only)
  - Optional USB 2.0 support
  - Optional CWDM upgrade (Sends all data, including USB over a single pair of singlemode fiber cables)
  - Bi-Directional serial
  - Full CD Quality stereo audio
  - Extend a KVM station from a quad-head CPU using fiber cable up:
    - 460ft (140m) w/ CATx Cable
    - 656ft (200m) w/62.5 $\mu$ m Multimode-Fiber
    - 1300ft (400m) w/ 50.0 $\mu$ m Multimode-Fiber
    - 3280ft (1000m) w/50.0 $\mu$ m Multimode-Fiber OM3
    - 33,000ft (10,000m) w/9.0 $\mu$ m Singlemode-Fiber
  - Video resolutions up to 1920 x 1200 @ 60Hz
  - Supports 18/24-Bit color (18 Bit-CATx / 24 Bit-Fiber)
  - Quad video model
  - Local access on all models
  - Compatible with all operating systems
  - Fully automatic KVM sharing
  - Easy installation and operation

## The CrystalView™ DVI Quad Advantage

The CrystalView DVI Quad is the KVM extender of choice for businesses that need to extend and operate a quad-head computer from a great distance. The CrystalView DVI Quad makes this possible by the use of Catx, singlemode or multimode fiber cable. You can fully operate and control a computer or server from as far away as 6 miles using 9  $\mu$ m singlemode fiber. The CrystalView DVI Quad supports all combinations of DVI-D monitors and video cards.

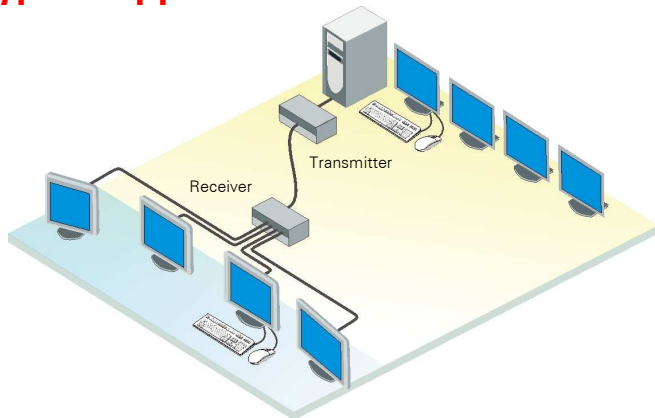
The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's keyboard, DVI-D quad video ports, and mouse connectors. The receiver connects to a keyboard, four DVI-D video monitors and mouse or KVM station. The transmitter and receiver are connected together with CATx or fiber cable depending on your model. The receiver can be up to 6 miles from the transmitter using 9 $\mu$ m Singlemode.

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.



Extend quad video up to 33,000 feet over singlemode fiber cable

## Typical Application



Quad-head DVI Video model  
Digitally access a quad-head computer  
locally and remotely  
over CATx or Fiber

**CrystalView DVI Quad basics** The CrystalView DVI Quad system consists of a transmitter that connects to a PC and a receiver that connects to a keyboard, four DVI monitors, and a mouse. The transmitter and receiver units are connected together with up to 6 miles of standard fiber cable or 460 feet over CATx cable.

**Models** The CrystalView DVI Quad is available in a PS/2 and USB model, CATx or Fiber model. All models allow for a second KVM station next to the PCs, providing operation from the transmitter or the receiver unit.

**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 or CATx cable.

**Keyboard and Mouse emulation** The CrystalView DVI Quad 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 –Fiber & CATx Extender kits

Part Number	Description
CRK-2DTXUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, CATx
CRK-2DTXTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, CATx
CRK-2DFMUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, Multimode Fiber
CRK-2DFMTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, Multimode Fiber
CRK-2DFSUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, Singlemode Fiber
CRK-2DFSTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, Singlemode Fiber
CRK-2DCWUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, CWDM
CRK-2DCWTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, CWDM

kits include transmitter and receiver units

## Specifications

Dimensions	19.0W x 5.50D x 1.75H (in) 483 W x 140D x 44.5H (mm)
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	1920 x 1200 @60Hz over all allowed distances all lower resolutions with refresh rates of at least 75Hz
Connectors	Video – DVI – I Keyboard – MiniDIN6 / USB Type A Mouse – MiniDIN6 / USB Type A Fiber – LC fiber Audio – 3.5mm stereo audio jack Serial – DB9F
Power	90-240 VAC
Max distance	460ft (140m) CATx 656ft (200m) w/62.5µm MM-Fiber 1300ft (400m) w/50.0µm MM-Fiber 3280ft (1000m) w/50.0µm MM-Fiber OM3 33,000ft (10,000m) w/9.0µm SM-Fiber
Serial Data:	Baud Rate - up to 19,200 Data Flow - Format independent Flow control – Xon / Xoff
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



Transmitters



Receivers

■ Phone: 281-933-7673 ■ E-mail: sales@rose.com ■

10707 Stancliff Rd. Houston, TX 77099

Rose Electronics – Europe: +49 (0)2454 969442 Rose Electronics – Asia: +65 6324 2322

DS-CRVDF-2.7

© Copyright 2006 -2007 Rose Electronics. All rights reserved



WWW.ROSE.COM