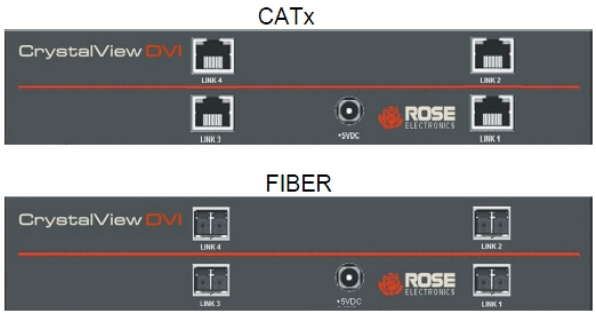
CrystalView DVI Quad

Digital DVI Extender for CATx and Fiber



Digital DVI KVM extender

- Extends DVI Video, keyboard, mouse, serial, and audio signals up to 400 ft (140m) on CATx and up to 10km on Singlemode Fiber.
- DVI-D video resolution to 1920 x 1200 @ 60Hz.
- Serial, Audio and USB2.0 capability (optional).
- Can be configured as dual, triple or quad port.
- Video-only models available for DVI extension.
- PS/2 and USB-HID keyboard and mouse support

CrystalView DVI Quad - Features…

- Supports:
  - DVI-D video modes
  - PS/2 and USB-HID keyboards and mice
- Extend a KVM station from a CPU using CATx cable up to 400 feet (140 m)
- Fiber Optic cable support:
  - 650ft (200m) w/ 62,5µm Multimode-Fiber
  - 1300ft (400m) w/ 50.0µm Multimode-Fiber
  - 33,000ft (10km) w/9.0µm Singlemode-Fiber
- Video resolutions up to 1920 x 1200 @ 60Hz
- Supports 16/24–Bit color (user selectable)
- DDC Adjustable to local or remote monitor
- Optional USB 2.0 (4-remote powered ports)
- Local KVM access for each DVI port
- Configure as Single, Dual, Triple or Quad video
- Optional serial support with rates up to 19.2KBaud for touchscreen or serial device
- Optional bi-directional audio support
- Compatible with all operating systems
- Fully automatic KVM sharing
- Status and Data error indicators on all units
- Easy installation and operation

Product Overview …

The ***CrystalView DVI Quad*** 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 Quad*** makes this possible by using either standard CATx cable or Fiberoptic Multimode/Singlemode cable. It supports all combinations of DVI-D monitors and DVI video cards, and can be configured as a Single, Dual, Triple or Quad video extender.

The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's keyboard, mouse, DVI, and optional USB2.0, serial and audio ports. The receiver connects to a keyboard, mouse, DVI-D video monitors, and optional USB2.0, serial and audio devices. Each DVI video port and the optional USB2.0 port require a dedicated interconnect (CATx or Fiber) cable.

The unit has both transmitter (local) and receiver (remote) KVM access. The transmitter's KVM access allows an additional KVM monitor for each video channel to be connected for local viewing, next to the host PC or video source.

Note : CATx = CAT5, CAT5e, CAT6, or Cat7 solid core cables

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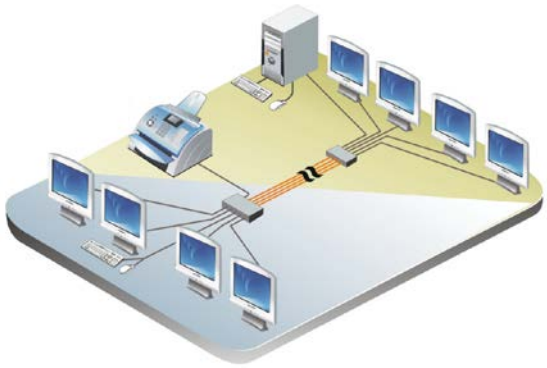
Typical Application:



Quad DVI Video Application

CrystalView DVI Quad basics: The ***CrystalView DVI Quad*** is a compact extender that enables the remote location of a multi-monitor user station. The interconnect CATx or Fiber cables can be deployed as point-to-point or through a patch panel.

The Video-only product enables the remote location of DVI monitors (1920*1200 or 1080p) for simultaneous video display at different locations. The local video ports on the transmitter unit allow the user to conveniently set-up and administer the video display outputs.

Models: The ***CrystalView DVI Quad*** is available in standard PS/2 and USB models, or video-only. The DVI video ports can be configured as Single, Dual, Triple or Quad video. Optional ports include USB2.0, RS232 (DB9)serial, and analog audio (stereo quality). The USB2.0 option has a single USB-B connector on the transmitter, and 4*USB-A ports on the receiver, each individually powered to 500ma. A USB Hub can be added to support additional devices.

Installation: The ***CrystalView DVI Quad*** CATx is ideal for indoor applications, computer room and service desk or control room environment. The ***CrystalView DVI Quad*** Fiber units are used for outdoor applications, building-to-building and heavy industrial or electrical environments.

Keyboard and Mouse emulation:

The transmitter unit emulates a keyboard and mouse. The PC will boot correctly with only the transmitter unit connected.

Specifications:

Video Interface:	DVI-D on TX and RX units	
Resolution:	Up to 1920*1200 @60Hz, 1080p	
Distance:	140m (400ft) on CATx, 10Km on SM Fiber 650ft (200m) w/ 62,5µm Multimode-Fiber 1300ft (400m) w/ 50.0µm Multimode-Fiber	
Connectors: **DVI-I** **USB-HID** **PS2** **USB2.0** **Audio** **Serial** **CATx Link** **Fiber Link**	**Transmitter:** Input/Output (1,2,3,4) 1* USB-B 1* Input, 1* Local 1* USB-B 2* 3.5mm or 1*MD-8 1* DB9(F) or 1*MD-8 1,2,3 or 4 RJ45 1,2,3 or 4 Duplex-LC	**Receiver** Output (1,2,3,4) 2* USB-A 2* PS2 4* USB-A 2* 3.5mm 1* DB9(M) 1,2,3 or 4 RJ45 1,2,3 or 4 Duplex-LC
Dimensions:	**Transmitter: (WxDxH)** 9.0 x 5.6 x1.75 inch 228 x 143 x 43 mm	**Receiver: (WxDxH)** 9.0 x 5.6 x1.75 inch 228 x 143 x 43 mm
Weight:	2.5lbs (1.1 kg)	2.5lbs (1.1 kg)
Power:	100-240VAC, 50/60Hz, 5.0VDC / 4A	
Environmental:	**Operating:** 41°F to 113°F (5 °C to 45 °C) **Storage**: -13°F to 140°F (-25 °C to 60 °C)	
Humidity:	80% non-condensing max.	
Serial Spec:	Up to 19,200baud, RTS,CTS,DTR, DSR	
Audio Spec:	Bi-directional stereo audio CD-quality (16-bit, 38.4KHz) Line level – 5V p-p. Impedance – 47 KΩ +17db microphone amplification	
Indicator (LED's)	RJ45 connectors – Data Error / Link Status Fiber LC Connectors - Data Error / Link Status DVI Connectors - Video Status	
CATx Cable: **Fiber Cable:**	Solid core STP/UTP. EIA/TIA 56A, TSB36 1, 2, 3 or 4 CATx cables, AWG24 SM - (9.0µm). MM - (62,5µm or 50.0µm)	
Approvals:	CE	

Part Numbers: (contact Rose Electronics for a full listing)

CRK-2DTXUD1D/R	**Single DVI, USB-HID, CATx**
CRK-2DTXUD2D/R	**Dual DVI, USB-HID, CATx**
CRK-2DTXUD4D/R	**Quad DVI, USB-HID, CATx**
CRK-2DTXTD2D/R	**Dual DVI, USB-HID, USB2.0, CATx**
CRK-2DFMUD2D/R	**Dual DVI, USB-HID, Multimode Fiber**
CRK-2DFSTD2D/R	**Dual DVI, USB-HID, USB2.0, SM Fiber**
/AUD	**Audio/Serial option for all models**
RM-UM19	**Rackmount bracket for TX/ RX chassis**

CrystalView DVI Quad: (USB + PS2 + Serial / Audio option shown)

CrystalView DVI Quad: TX/RX. (Dual DVI, USB-HID, USB2.0, Audio/Serial)

CrystalView DVI Quad: TX/RX. (Quad DVI, USB-HID, Audio/Serial)

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