



## Digital CATx KVM extender

Extends keyboard, video, mouse, serial, and audio signals up to 400 feet away

Supports DVI-D video at resolutions up to 1920 x 1200 @ 60Hz

Serial and Audio capability (optional)

Supports CAT5, CAT5e, and CAT6 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
- Extend a KVM station from a CPU using CATx cable up to 400 feet (120 m)
- Video resolutions up to 1920 x 1200 @ 60Hz
- Supports 16/24-Bit color (user selectable)
- Local KVM access on all models
- Single and Dual video models available
- Optional serial support with rates up to 19.2KBaud
- 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
- Rack mountable options

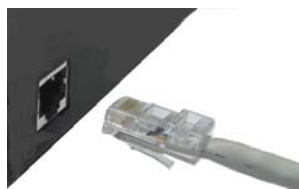
Note : CATx = CAT5, CAT5e, CAT6, or Cat7 cables

## The CrystalView™ DVI CATx Advantage

The CrystalView DVI CATx 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 CATx makes this possible by the use of standard CAT5, 5e, 6, or 7 cable. You can fully operate and control a computer or server from as far away as 400 feet using standard CATx cable. It supports all combinations of DVI-D monitors and video cards.

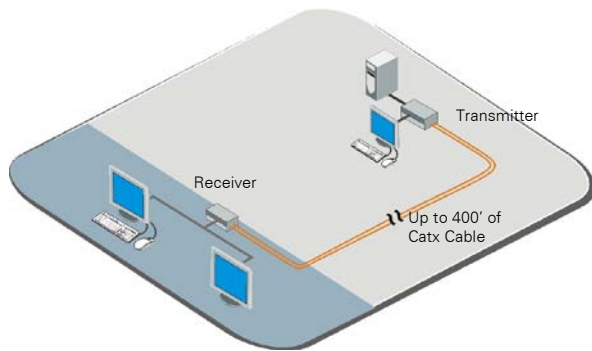
The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's keyboard, DVI-D monitor, and mouse connectors, or to a Rose KVM switch. The receiver connects to a keyboard, DVI-D video monitor and mouse or KVM station. The transmitter and receiver are connected together with CATx industry standard cable. The receiver can be up to 400 feet from the transmitter using CAT5, 5e, 6, or 7 cables.

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 CATx dual video model can fully support it. If you need to extend your serial device or audio the CrystalView DVI CATx serial and audio model can support this feature.



Standard CATx cable

## Typical Application



Dual DVI Video model Application  
Digitally access a computer from two locations,  
locally or up to 400feet away

**CrystalView DVI CATx basics** The CrystalView DVI CATx 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 400 feet of standard CATx cable. Serial / audio models connect to the computers serial and audio ports and to the corresponding ports on the transmitter. The serial / audio receiver connects to a set of speakers and to a supported serial device.

The ideal way to apply the CrystalView DVI CATx is to connect the transmitter to a Rose Electronics KVM switch. Expanding the switch allows the receiver to access up to 1,000 computers or servers.

**Models** The CrystalView DVI CATx is available in a PS/2 or USB model. All models allow for a second KVM station to be connected to the transmitter unit, providing operation from the transmitter or the receiver unit. The dual video model supports systems that need to digitally transmit a second video source. Serial and full stereo audio models provide extended serial and audio support.

**Installation** Installing the CrystalView DVI CATx 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 CATx cable. Serial and audio models connect to the corresponding ports on the computer and local unit. The remote unit connects to a set of speakers and a supported serial device.

**Keyboard and Mouse emulation** The CrystalView DVI CATx 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

CRK-2DTXPD1D PS/2, DVI-D, Single video  
CRK-2DTXPD2D PS/2, DVI-D, Dual video  
CRK-2DTXUD1D USB, DVI-D, Single video  
CRK-2DTXUD2D USB, DVI-D, Dual video  
/AUD = Serial and Audio option

## Specifications

Dimensions	4.125W x 5.625D x 1.375H (in) 10.0W x 14.4D x 3.0 (cm)
Weight	0.65 lbs / 0.3 kg (each unit)
Operating Temp	5°C – 45°C / 41°F – 113°F
Humidity	80% max, non-condensing
Resolution	1920 x 1200 @60 Hz
Serial	Speed – 19,200 Baud Data Format – Format independent Flow Control – RTS, CTS, DTR, DSR
Audio	Bi-directional stereo audio CD-quality (16-bit, 38.4KHz) Line level – 5V p-p +17db microphone amplification setting option
Connectors	Video – DVI – I Keyboard – PS/2 or USB Mouse – PS/2 or USB Serial – DB9F Audio – 3.5mm stereo jack
Power	90-240 VAC to 5.0 VDC / app. 10W
Max distance	400' (120m) CATx cable (AWG24) 200' (60M) CATx cable (AWG26/8)
Indicators (LEDs)	Front panel – power Video check LED RJ45 LEDs – Data error / status
Approvals	CE



CrystalView DVI CATx  
(PS/2 model)



CrystalView DVI CATx  
(USB model)

CrystalView DVI CATx (Serial / Audio model shown)

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