CrystalView DVI Plus

Digital Fiber KVM USB extender

Supports DVI-D video resolutions up to:
  1920 x 1200 @ 60Hz (Single-Link DVI)
  2560 x 2048 @60Hz (Dual-link DVI)

Extends USB peripherals, keyboard, DVI video, and mouse signals over multimode fiber up to:
  650ft (200m) w/ 62,5/125μ multimode-fiber
  1300ft (400m) w/ 50/125μ multimode-fiber

DDC2B compliant

Supports multimode fiber cables

USB 2.0 transparent option (scanners, printers)

Two single link and one dual link model available

Features and Benefits

- Supports DVI-D graphic interfaces in an uncompressed mode.
- Models available
  - Single Link DVI - single or dual video + USB 2.0 1920 x 1200 resolution
  - Dual Link DVI - single video + USB 2.0 2560 x 2048 resolution
- Supports:
  - DVI-D video modes
  - Transparent USB 2.0 (cameras, scanners, printers, other USB 2.0 compliant devices)
- Extend a KVM station from a CPU using fiber cable up to 1/4 mile
- Compatible with all operating systems
- Compatible with major KVM switches
- Link LED indicators on all units
- Easy installation and operation
- Rack mount options for mounting in a 19" rack

The CrystalView™ DVI Plus Advantage

The CrystalView DVI Plus is the KVM extender of choice for businesses that need to extend and operate a computer, server, or KVM switch from a great distance. You can fully operate and control a computer or server, and your USB peripherals from as far away as 1/4 mile using 50/125 μ multimode fiber. The CrystalView DVI Plus supports all combinations of DVI-D monitors, video cards, and USB 2.0 transparent devices.

The extenders support DVI graphical interfaces in an uncompressed mode. The uncompressed transfer of DVI data results in a display with no picture corruption or frame dropping at full speed. Video movements are smooth even at the highest resolution.
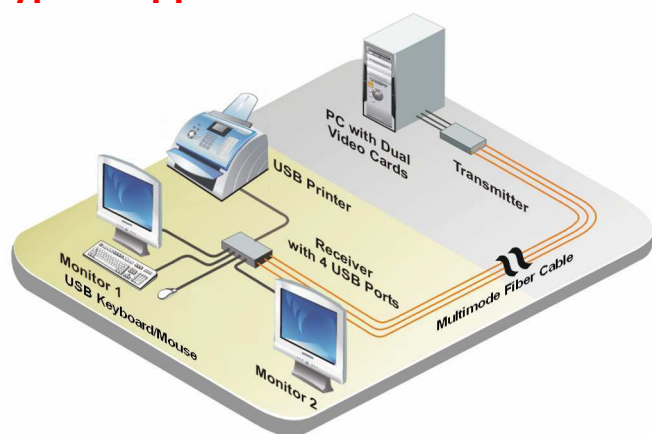
The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's USB port and DVI-D monitor connector. The receiver connects to a USB keyboard, USB mouse, DVI-D video monitor and USB 2.0 devices (cameras, printers, scanners). The transmitter and receiver are connected together with fiber cable. The receiver can be up to 1/4 mile from the transmitter using 50/125μ Multimode-Fiber.

If your system requires dual video, the CrystalView DVI Plus dual video model can fully support it.

Fiber makes extended
distances easy to reach

Typical Application

Dual DVI Video model Application

CrystalView DVI Plus basics   The CrystalView DVI Plus system consists of a transmitter that connects to a PC, or server and a receiver that connects to a USB keyboard, DVI monitor, and USB mouse. Additional, USB 2.0 compliant devices such as a USB printer or camera can be connected to the receiver unit. The transmitter and receiver units are connected together with up to 1/4 miles of standard multimode fiber cable.

Models   The CrystalView DVI Plus is available in three different models to meet your system application requirements. Two single link models and one dual link model. All models support USB keyboards and mice, DVI video, and USB 2.0 compliant devices. The dual video model is available for systems that need to digitally transmit a second video source.

Installation   Installing the CrystalView DVI Plus units is as easy as connecting the KVM station and USB devices to the receiver, connecting the computer to the transmitter, and connecting the transmitter to the receiver with fiber cable.

Keyboard and Mouse emulation   The CrystalView DVI Plus 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 –

Single Link Models

Part Number	Description
CRK-1DFMT1SL	Single Video + USB 2.0
CRK-1DFMT2SL	Dual Video + USB 2.0
CRK-1DFMH1SL	Single Video + USB HID
CRK-1DFMH2SL	Dual Video + USB HID

Dual Link Models

CRK-1DFMT1DL	Single Video + USB 2.0
CRK-1DFMH1DL	Single Video + USB HID

/AUD = Audio option

Specifications

Dimensions	5.2W x 7.1D x 1.7H (in)
	133W x 180D x 43H (mm)
Weight	2.6 lbs / 1.2 kg (both units)
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 @ 60 Hz (single Link)
	2560 x 2048 @ 60 Hz (Dual Link)
Connectors	Video – DVI-D
	Keyboard – USB Type A
	Mouse – USB Type A
	Fiber – SC fiber
Power	90-240 VAC to 5.0 VDC / app. 10W
Power Requirements	Local unit: 750 ma max
	Remote Unit: 750 ma max
Max distance	650ft (200m) 62,5μm Multimode
	1300ft (400m) 50.0μm Multimode
Indicators (LEDs)	Power
	USB / Video 1 & 2 Diagnostic LEDs

Serial Data:

Baud Rate	up to 19,200
Data Flow	Format independent
Flow control	RTS, CTS, DTR, DSR

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

Approvals	CE

Rear View single / dual Link – single Video – USB 2.0

Rear View single Link – dual Video – USB 2.0

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