

CrystalView Micro LT



Fiber Optic DVI Extender

- ▶ Transmits HD DVI video up to 4920 feet
- ▶ Resolutions up to 1920 x 1200 / 60Hz
- ▶ Accepts single-mode or multi-mode fiber
- ▶ Programmable with any display's EDID
- ▶ Compact size
- ▶ Duplex LC fiber connectors
- ▶ Metal enclosures and low power consumption

Features and Benefits

- Compact Size (0.58 x 1.54 x 2.12 in)
- Duplex LC fiber optic connectors
- Single-mode or multi-mode fiber
- Transmitter easily programmed with the EDID of any display
- LED indicators for signal status, monitor detect
- Single 5V 0.85A power supply for Receiver
- Transmitter powered by video card or optional power supply
- DVI resolutions up to 1920x1200/60Hz
- Extends video up to 4920 ft with single-mode fiber, 1640 ft with multi-mode fiber
- Metal enclosures

CrystalView Micro LT Advantages . . .

The CrystalView Micro LT is the latest addition to Rose Electronics' line of digital video extenders. It can extend DVI video up to 4920 feet (1500 meters) with single-mode fiber optic cables, or 1640 feet (500 meters) with multi-mode fiber.

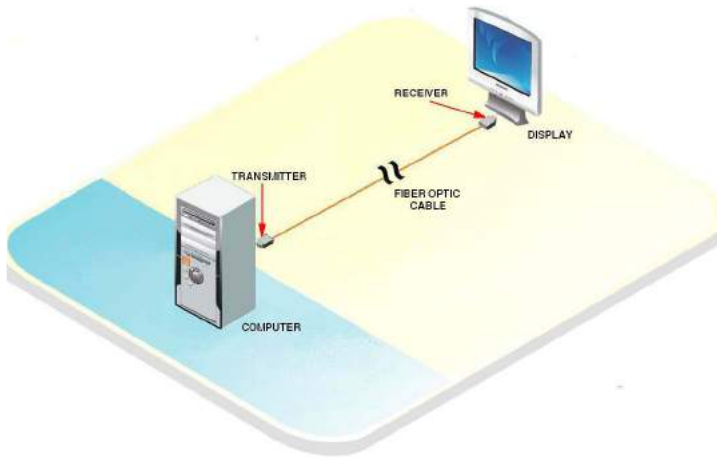
The ability to program the transmitter with the remote monitor's EDID (Extended Display Identification Data) provides full compatibility with any display.

A green LED indicator on the transmitter allows quick confirmation that a valid signal has been received from the video source and the transmission laser has been activated. A similar orange LED indicator on the receiver warns when the incoming signal has been lost due to lack of power at the transmitter, or disconnection of the fiber cable.

A green LED on the receiver is used to indicate connection to a DVI monitor. An orange LED on the transmitter flashes while a display's EDID is being programmed into the transmitter.

Since many video sources provide enough power on pin 14 of the DVI connector to power the Transmitter, use of an external supply with the Transmitter is optional. Power protection circuits prevent damage to the video source if an external power supply is needed.

Typical Application



Cables The Transmitter and Receiver are connected using standard single-mode or multi-mode fiber cables, sold separately.

Installation The installation process is simple and straightforward. Plug the duplex LC fiber cable into the LC receptacles on the CrystalView Micro LT units. Connect the Transmitter to the DVI source (Computer), and the Receiver to the DVI display (Monitor). Apply power. Depending on the extension distance, the optical extender can utilize single-mode or multi-mode fiber.

Operation The Transmitter contains a factory default EDID table which is compatible with a wide variety of monitors. However, the data of any display can be installed in the transmitter simply by connecting a powered display to a powered transmitter and pressing the EDID button until the EDID LED begins flashing. The LED stops flashing when the transfer is complete.



Specifications

Part Number

CRK-T1DFXDM-DLT
CRV-TSLDFXDM-DLT
CRV-TSRDFXDM-DLT

Description

Kit
Transmitter
Receiver

Dimensions

	Width (in/mm)	Depth (in/mm)	Height (in/mm)
Chassis	1.535/14.6	2.123/39.0	0.575/53.9

Video Resolution

Standard Video	Up to 1920 x 1200 @60Hz
HDTV	Up to 1080p (50/60 Hz)

Connectors

Video In	DVI-D (18+1) Male
Video Out	DVI-D (18+1) Male
Video Extension	LC Fiber

Redundant Power

External Power Supply	100 VAC~240 VAC / 50~60 Hz
Power Supply Adapter	+5V DC / 0.8A

DDC Protocol

Programmable EDID

Maximum Distance

Single-mode OM3pa fiber	4920 ft / 1500 m
Multi-mode G.652D fiber	1640 ft / 500 m

Environmental

Operating Temperature	32°F - 122°F/0°C - 50°C
Storage Temperature	-4°F - 158°F/-20°C - 70°C
Relative Humidity	Up to 80%, non-condensing

Approvals

Transmitter	RoHS
Receiver	RoHS