



- ▶ Transmits DVI video up to 4920 feet (1.5 km)
- ▶ Uncompressed video
- ▶ DVI resolution up to 1920 x 1200 @ 60Hz
- ▶ Accepts single-mode or multi-mode fiber
- ▶ Plug and play
- ▶ Compact size
- ▶ Duplex LC fiber connectors
- ▶ Metallic enclosure
- ▶ Status LEDs
- ▶ Low power consumption

Features and Benefits

- Compact size allows direct attachment to DVI connector
- Uses popular duplex LC fiber optic connectors
- Compatible with single-mode or multi-mode fiber
- Use default EDID or Transmitter can easily be programmed with the EDID of any display
- LED indicators for signal status and monitor detect
- Single 5V 0.85A power supply for Receiver
- Transmitter powered by source or optional power supply
- DVI resolutions up to 1920x1200 @60Hz
- Extends video up to 4920 feet (1.5 km) with single-mode fiber
- Extends video up to 1640 feet (0.5 km) with multi-mode fiber
- Metal enclosure endures harsh environment and provides for rugged mounting

Product Overview

The CrystalView Micro LT is an easy-to-use and compact product that excels in transporting DVI video from a source to a remote display. Its versatile fiber interface allows use of either multi-mode or single-mode fiber up to 1.5 kilometer away.

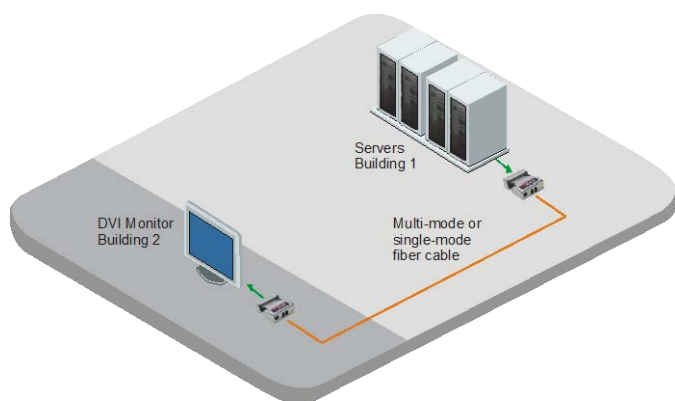
Fiber video extenders are very useful for relocating displays away from video sources, which can then be managed in secure locations using regulated power and cooling.

They are used in a variety of commercial, industrial, military, transportation, medical, data center, retail, hospitality, presentation, and other environments. They are especially called for in building-to-building extension because of their immunity to electrical disturbance.

The lightweight and miniature extenders directly connect to DVI connectors to create both secure mounting and a clutter-free environment.

The units utilize standard LC duplex fiber, either multi-mode OM3 for distances up to 500m and single-mode for distances to 1500m.

Typical Application



Cables Since the Transmitter and Receiver units have DVI male connectors, they connect directly to video sources and displays. They could also be connected with a short male-to-female DVI pigtail.

Standard fiber cables with duplex LC connectors are used between the units. The choice of cable is site dependent. OM3 multi-mode fiber cable (aqua jacket) will achieve distances up to 500m (1640 feet). Lesser quality multi-mode cable (orange jacket) will go lesser distances. Single mode cable (yellow jacket) will go up to 1500m (4920 feet). The extenders will also easily tolerate a couple of patch panels and patch cables.

Installation Setup is a breeze by just connecting the units to the source and display. Then remove the fiber dust covers and snap in the fiber cables to each side. Finally hook up the supplied Receiver power supply.

It is possible that your video source does not provide enough power on DVI connector pin 14 to power the Transmitter, requiring the use of an external power supply. Power protection circuits prevent damage to the video source if used.

The Transmitter contains a factory default EDID table, which is compatible with a wide variety of monitors. Sometimes it is not adequate for certain resolutions and the display is not correct, so the EDID of the display must be programmed into the Transmitter.

The data of any display can be installed in the Transmitter simply by connecting a powered display to a powered Transmitter, and pressing the recessed EDID button until the orange EDID LED begins flashing. The LED stops flashing when the transfer is complete.

Operation A green LED indicator on the Transmitter allows quick confirmation that a valid signal has been received from the video source. 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.

Specifications

Dimensions W x D x H	1.535" x 2.123" x 0.575" (39 x 54 x 14.6 mm)
Weight	0.6 lb (0.25 kg)
Power	100-240 VAC 50-60Hz Transmitter: Powered by computer DVI or by optional +5V external adapter Receiver: 100-240 VAC 50-60Hz, External adapter, +5V DC, 0.8A 5W total
Distance	1920 x 1200 @60Hz: 4,920' (1500m) SM 1920 x 1200 @ 60Hz: 1640' (500m) MM
Connectors	Transmitter: Single-link DVI video: DVI male direct plug in Fiber: Duplex multi-mode or single-mode fiber with LC duplex connector Receiver: Single-link DVI video: DVI male direct plug in Fiber: Duplex multi-mode or single-mode fiber with LC duplex connector
Environment	Operating temperature: 32°F–122°F (0°C–50°C) Storage temperature: -4°F–158°F (-20°C–70°C) Relative humidity: 0%–80%, non-condensing
Approvals:	FCC, CE, RoHS

Part numbers

CRK-T1DFXDM-DLT	Kit: Includes Transmitter, Receiver, and Receiver power supply
CRV-TSLDFXDM-DLT	Transmitter
CRV-TSRDFXDM-DLT	Receiver