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Extend Hi-Res DVI up to 5,000 Feet Over Fiber Optic Cables

EXT-DVI-FM500



Painless, reliable DVI extension over fiber with built-in DVI-to-fiber signal converters and EDID storage, all in a tiny form factor.

The DVI-FM500 Extender lets you extend your DVI source up to 5,000 feet away using a 100% fiber optic extension solution. Attractive and compact DVI-to-fiber modules connect to each other via just two LC fiber optic cable strands. Extender units fit neatly behind equipment for a clean installation.

The on the fly EDID programming feature enables quick and correct synchronization of the video resolution to the display without any manual configuration. It's a great way to extend DVI easily and cleanly.

How It Works

The DVI FM 500 Sender unit plugs into a DVI port (either a computer source or another device transmitting a DVI signal). The DVI FM 500 Receiver unit plugs into a DVI display - up to 5,000 feet away. Two-strand LC fiber optic cable connects the DVI FM 500 Sender unit and the DVI FM 500 Receiver units to each other. Power is connected to the DVI FM 500 receiver using the 5V wall adapter and a crisp, vibrant HD picture appears on the display.

Optical signal transmission provides immunity from electromagnetic interference (EMI).

Note: The distance that DVI can be extended will depend on the type of fiber optic cable used. For a maximum resolution of 1920x1200 at 60 frames per second (60 Hz), the distances possible are as follows

Single mode: 8(9)/125μm micron core: 5,000 ft.(1500m)
Multi mode: 50(62.5)/125μm micron core: 1,500 ft. (500m)

This device is not HDCP compliant.

Features*

- Extends DVI up to 5,000 feet (1500 meters) using single-mode (8/125μm or 9/125 μm) fiber cable
- Extends DVI up to 1,500 feet (450 meters) using multi-mode (50 or 62.5μm) fiber cable
- Supports resolutions up to 1920 x 1200
- Supports DDWG standard for DVI-compliant monitors
- EDID Programming feature enables quick and correct sync of source to display
- Fully supports DVI 1.0 and DDC2B via virtual DDC
- Supports both singlemode and multimode fiber optic cable types
- Fiber cable provides immunity from electromagnetic interference (EMI)

Specifications*

- Maximum Pixel Clock: 165MHz
- Input Video Signal: 1.2V p-p
- Input DDC Signal: 5V p-p (TTL)
- Supported fiber types: single-mode 8/9μm (5000 feet) or multi-mode 50/62.5μm (1500 feet)
- Default EDID: UXGA (1600 x 1200)
- Video Input Connector (Sender): (1) DVI-D (19 pin), male (digital only)
- Video Output Connector (Receiver): (1) DVI-D (19 pin), male (digital only)
- Link Connectors (Sender / Receiver): (2) Type LC (1 Duplex) fiber connectors
- LED Indicators (Sender / Receiver): (1) EDID Status
- Program Button (Sender): EDID Program (recessed)
- Fiber Cable: CAB-2LC-XXX (62.5μm multi-mode)
- Power Supply (Receiver): 5V DC (Second power supply included for use if source does not provide 5V power for Sender over DVI connector)
- Power Consumption: 2.5W (max.)
- Operating Temperature: 0°C - 50°C
- Storage Temperature: -10°C - 85°C
- Operating Humidity: 5% - 85%
- Dimensions (Sender / Receiver): 1.5" W x 2.5" D x 0.5" H
- Shipping Weight: 2 lbs (1 kg)

Gefen, LLC
20600 Nordhoff Street, Chatsworth CA 91311
Tel. (818) 772-9100 (800) 545-6900 Fax (818) 772-9120
www.gefen.com

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