

FDX-500

DVI-D AND AUDIO
FIBER EXTENDER FAMILY



DVI-D and Stereo Audio Fiber Extender

DVI-D and Stereo Audio Extender up to 1,500 feet over Fiber Optic Cable

The FDX-500 is a perfect solution for extending the video and audio output of a computer in a remote location. It extends DVI-D and Stereo Audio to a remote location up to 1,500 feet away. The FDX-500 is immune to electromagnetic interference, making it ideal for use in situations where there is considerable interference. The FDX-500 is also very secure because its fiber optic signals cannot be easily tapped.

FEATURES

- Top Signal Quality at Maximum Extension Over Multimode Fiber (1,500 ft.)
- Superior Image Quality at all Resolutions
- DVI-D Video Resolutions up to 1920 x 1200 at 60Hz (1280 x 1024 at 75Hz)
- Supports Stereo Audio
- Fiber Plug Type FC
- Compatible With all Operating Systems
- Compatible With all Major KVM Switches
- Compact Metal Casing
- DDC from internal table for most display models
- DDC learning from display
- Uses universal DVI Single Link connectors
- Zero pixel loss with TMDS signal correction

APPLICATIONS

- Medical Applications
- Industrial Work Areas
- Home Theater Integration
- Digital Signage Deployment
- Information Kiosks/Displays
- Film/Recording Studios



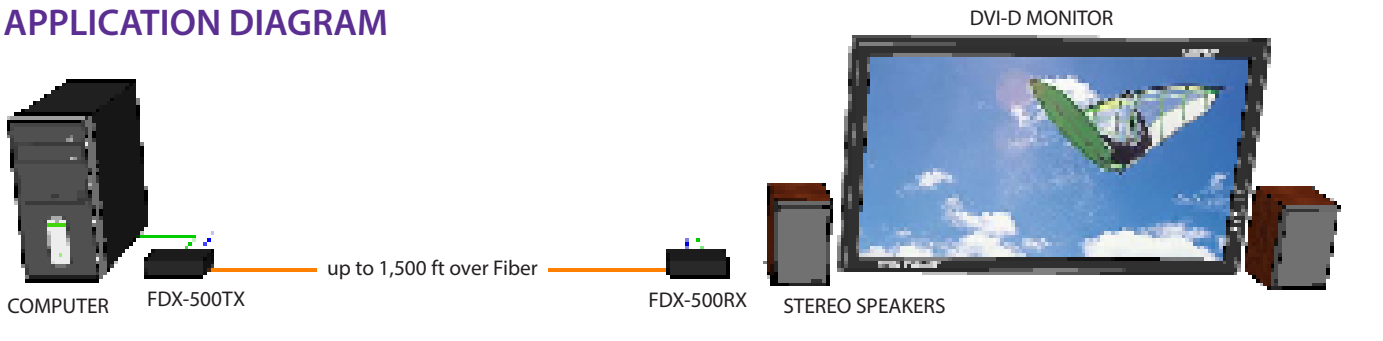
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SPECIFICATIONS

APPLICATION DIAGRAM



VIDEO

Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(1) DVI-D 29-pin female
Output Interface (RX)	(1) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @60Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.

AUDIO

Frequency Response	20 Hz to 20 KHz
Impedance	600 ohm
Nominal Level	0-1.0 V
Common Mode	Rejection at 60dB
Input Interface	(1) 3.5 mm Stereo Audio
Output Interface	(1) 3.5 mm Stereo Audio

OPTICAL

Fiber Type	Multi mode
Connector Type	FC Type
Wavelength	1310 nm/1550 nm (Dual wavelength)
Data Rate	5 Gbps (2.5 Gbps per single wavelength)
Transmission Power	-5 dB Min.
Receiver Sensitivity	-21 dB Max
Distance	500 m Max.

OTHER

Power	External 100-240 VAC/5VDC4A @20W
Dimensions	5 in W x 1 in H x 3.75 in D
Weight	1 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%



ORDERING INFORMATION

Part No.	Description
FDX-500S	DVI-D and Stereo Audio Fiber Extender. Includes: [FDX-TX500, FDX-RX500 and 2 x (PS5VD4A)]

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations.

Clients of SmartAVI include:



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