

# FOXBOX DVI Series

Fiber Optic Extenders for DVI, Audio, and RS-232



FOXBOX Tx DVI Plus



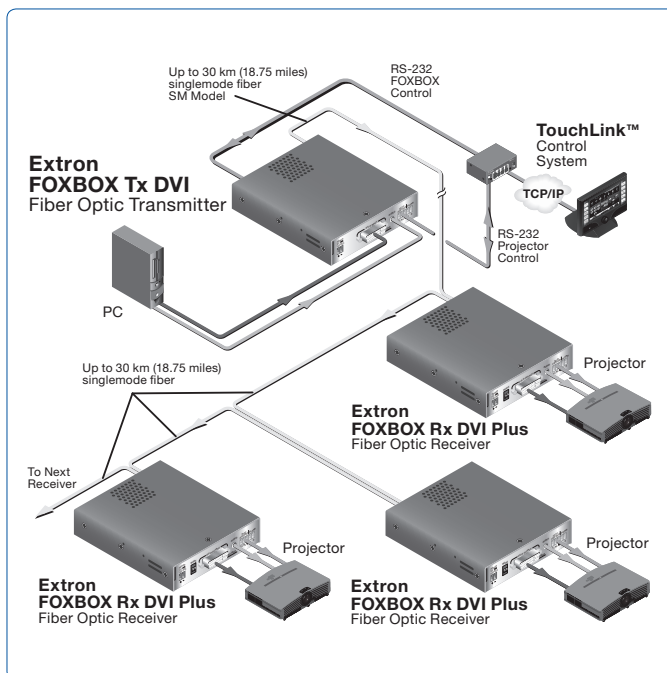
FOXBOX Rx DVI Plus

## DESCRIPTION

The Extron **FOXBOX DVI Series** Fiber Optic Extenders are transmitter and receiver sets for long haul transmission of DVI, audio, and RS-232 control signals over a single fiber. Engineered for reliability and exceptional high resolution image performance, they use Extron-exclusive all digital technology to deliver perfect pixel-for-pixel transmission of DVI computer-video images as well as HDTV. The FOXBOX DVI Series also includes an EDID emulation mode, Auto Input Memory, RS-232 control from multiple locations, internal test patterns, and real-time system monitoring. Compact, low profile enclosures allow for discreet installation behind a flat-panel display, and multiple receivers can be daisy-chained.

## SERIES FEATURES

- Extends single link DVI-D, stereo audio, and RS-232 control signals very long distances over a single fiber
- EDID Emulation provides selectable resolutions and refresh rates to ensure reliable operation
- Daisy-chain capability
- Real-time status LED indicators for troubleshooting and monitoring
- Alarm notification for fiber link loss
- Auto Input Memory
- 1" (2.5 cm) high, quarter rack width metal enclosures



## SPECIFICATIONS

**NOTE:** The FOXBOX Tx DVI Plus transmitter is compatible only with the FOXBOX Rx DVI Plus receiver.

**NOTE:** These transceivers are class 1 laser products. They meet the safety regulations of IEC-60825, FDA 21 CFR 1040.10, and FDA 21 CFR 1040.11.

### OPTICAL FIBER INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

<b>Number/type</b>	1 or 2 fiber optic
<b>Operating distance</b>	
Singlemode	30 km (18.75 miles) with singlemode (SM) cables with a FOXBOX SM
Multimode	300 m (985') with 62.5 µm OM1 multimode (MM) cables with a FOXBOX MM 1 km (3280') with 50 µm OM2 multimode (MM) cables with a FOXBOX MM 2 km (6561') with 50 µm OM3/OM4 2000 MHz bandwidth laser optimized multimode cable with a FOXBOX MM

**NOTE:** Operating distance is approximate. These are typical maximum distances that may vary depending on factors such as fiber type, fiber bandwidth, connector splicing, losses, modal or chromatic dispersion, environmental factors, and kinks.

**Nominal peak wavelength** 850 nm for FOXBOX MM, 1310 nm for FOXBOX SM

**Data rate** 4.25 Gbps

### Transmission power

Singlemode	-5 dBm, typical
Multimode	-5 dBm, typical

### Maximum receiver sensitivity

Singlemode	-18 dBm, typical
Multimode	-12 dBm, typical

### Optical loss budget

Singlemode	13 dB, maximum
Multimode	7 dB, maximum

## VIDEO

### Resolution range

DVI model	Up to 1600x1200 or 1080p @ 60 Hz pixel for pixel; higher resolutions up to 1920x1200 @ 60 Hz, undersampled
DVI Plus models	Up to 1920x1200 or 1080p @ 60 Hz pixel for pixel

### VIDEO OUTPUT - RECEIVER

### Video delay

1-2 frames

## GENERAL

### Power input requirements

12 VDC, 0.6 A

### Thermal dissipation

<b>Transmitters</b>	
DVI model	11.0 BTU/hr
DVI Plus model	4.0 BTU/hr
<b>Receiver</b>	
DVI Plus model	3.9 BTU/hr

### Enclosure dimensions

1.0" H x 4.3" W x 6.0" D (quarter rack wide)  
(2.5 cm H x 10.9 cm W x 15.2 cm D)  
(Depth excludes connectors.)

### Product weight

0.7 lbs (0.3 kg) per unit, 1.4 lbs (0.6 kg) per pair

For complete specifications, please go to [www.extron.com](http://www.extron.com)

# FOXBOX DVI Plus Fiber Optic Extender for DVI, Audio, and RS-232

### UNIQUE FEATURES

- All digital technology provides pixel-for-pixel performance with signals up to 1920x1200, including HDTV 1080p/60

Note: The FOXBOX DVI and FOXBOX DVI Plus do not support transmission of DVI signals with HDCP - High-bandwidth Digital Content Protection. The FOXBOX DVI Plus transmitter is compatible only with the FOX Series HDMI or DVI Plus receivers.



FOXBOX Tx DVI Plus

FOXBOX Rx DVI Plus

MODEL	VERSION DESCRIPTION	PART #
FOXBOX Tx DVI Plus MM	Multimode - Transmitter .....	60-1060-11
FOXBOX Rx DVI Plus MM	Multimode - Receiver .....	60-1060-21
FOXBOX Tx DVI Plus SM	Singlemode - Transmitter .....	60-1060-12
FOXBOX Rx DVI Plus SM	Singlemode - Receiver .....	60-1060-22

# FOXBOX Tx DVI Fiber Optic Extender for DVI, Audio, and RS-232

### UNIQUE FEATURES

- All digital technology provides pixel-for-pixel performance with signals up to 1600x1200, including HDTV 1080p/60

Note: The FOXBOX DVI does not support transmission of DVI signals with HDCP - High-bandwidth Digital Content Protection.



MODEL	VERSION DESCRIPTION	PART #
FOXBOX Tx DVI MM	Multimode - Transmitter .....	60-935-11
FOXBOX Tx DVI SM	Singlemode - Transmitter .....	60-935-12