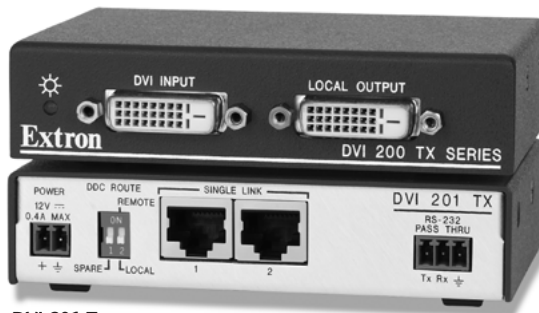


DVI 201

DVI TWISTED PAIR EXTENDER

- Transmits DVI/HDMI and RS-232 over two CAT 5-type cables
- Sends 720p, 1080i, and XGA signals over 200 ft (60 m), 1080p/60 and 1920x1200 over 100 ft (30 m)
- DVI input loop-through
- Supports DDC and HDCP
- Two-way remote powering
- Bi-directional RS-232/IR pass-through



DVI 201 Tx



DVI 201 Rx

The Extron DVI 201 sends DVI or HDMI signals over distances of 200 feet or more using two standard CAT 5-type cables. The DVI 201 is ideal for professional and residential applications that utilize fully digital, long distance transmission of HDTV or high resolution computer-video signals.



Extron® Electronics

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DESCRIPTION

The Extron **DVI 201** is a transmitter and receiver set that enables DVI or HDMI signals to be carried over distances significantly greater than the specified 5 meter (15 foot) limitation for standard DVI cables. Linked together using two economical and integration friendly CAT 5, CAT 5e, CAT 6, or CAT 7 cables, the DVI 201 transmitter and receiver work together to send single link DVI-D or HDMI signals over 200 feet (60 meters) for HDTV and XGA (1024x768).

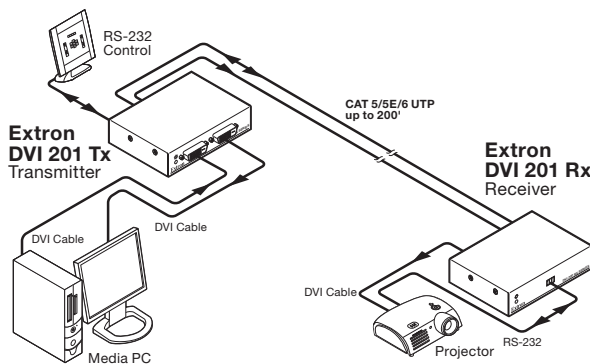
Several features facilitate convenient, streamlined system integration. The DVI 201 transmitter includes a DVI loop-through to support monitoring on a local display device. RS-232 or IR signals from a third-party control system can also be transmitted over the same cabling as the DVI signals, for remote control of a projector or flat-panel display. Furthermore, either the transmitter or receiver can be remotely powered over this cabling, so that external power is necessary for only one of the devices.

The DVI 201 transmitter and receiver are housed in 1" high, quarter rack width metal enclosures. Both devices are also available separately, and may be matched with the DVI 201 A D Decora® transmitter or receiver to suit the installation requirements of a specific application.

FEATURES

- Transmits single link DVI-D/HDMI and RS-232 signals over two CAT 5-type cables
- Sends 720p, 1080i, and XGA (1024x768) signals over 200 feet (60 meters), 1080p/60 and 1920x1200 signals over 100 feet (30 meters)
- DVI input loop-through – The DVI 201 transmitter features a DVI-D output for connection to a local monitor.
- Supports DDC and HDCP – The DVI 201 fully supports long distance transmission of DDC and HDCP signals.
- DDC routing to local or remote display
- Remote powering of transmitter or receiver
- Bi-directional RS-232/IR pass-through – Bi-directional RS-232 control or IR signals can be transmitted alongside the DVI or HDMI signals, so that the remote display can be controlled without the need for additional cabling.
- Fully supports HDMI signals when used with optional Extron HDMI-DVI adapters
- Compatible with DVI 201 A D Decora transmitter and receiver – Enables mixing and matching of desktop and wallplate transmitters and receivers to meet application requirements.
- 1" (2.5 cm) high, quarter rack width metal enclosures – With low profile enclosures, both devices can be discreetly installed, such as behind a plasma or LCD flat-panel display.
- External universal power supply included with Tx models and Tx/Rx sets

APPLICATION DIAGRAM



SPECIFICATIONS

VIDEO		
Maximum data rate	4.95 Gbps (1.65 Gbps per color)	
Maximum pixel clock.....	165 MHz	
Resolution range.....	1920x1200 or 1080p @ 60 Hz	
Formats	RGB and YCbCr digital video	
Standards	DVI 1.0, HDMI 1.2	
VIDEO INPUT AND LOOP THROUGH – TRANSMITTERS		
Number/signal type.....	1 single link DVI-D (or HDMI*) input 1 single link DVI-D (or HDMI*) local loop-through	
Connectors.....	2 female DVI-D	
NOTE: *Appropriate DVI-D to HDMI cables or adapters are required for HDMI signal input/output. Also, an optional Extron HDMI-to-DVI adapter is required in order to transmit a CEC signal.		
INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER		
Connectors	(2) RJ-45 per unit	
Termination standards	TIA/EIA T568A or T568B.	
Signal transmission distance		
1900x1200 or 1080p @ 60 Hz		
CAT 5/5e/6/7 STP	Up to 125' (38 m)	
CAT 5/5e/6/7 UTP.....	Up to 100' (30 m)	
1024x768 or 720p/1080i @ 60 Hz		
CAT 5/5e/6/7 UTP or STP.....	Up to 200' (60 m)	
NOTE: The transmission distance varies greatly depending on the signal resolution and on the type of cable, graphic card, and display used in the system.		
VIDEO OUTPUT— RECEIVERS		
Number/signal type.....	1 single link DVI-D (or HDMI*)	
Connectors.....	2 female DVI-D	
CONTROL/REMOTE — EXTERNAL DEVICE (PASS-THROUGH)		
Serial control port input		
Transmitter.....	RS-232 via (1) 3.5 mm, 3 pole captive screw	
Receiver.....	1 set of proprietary signals on a female RJ-45 jack	
Serial control port output		
Transmitter.....	1 set of proprietary signals on a female RJ-45 jack	
Receiver.....	RS-232 via a 3.5 mm, 3 pole captive screw	
GENERAL		
External power supply	100 VAC to 240 VAC, 50/60 Hz, 6 W max., external; to 12 VDC, 1 A, regulated	
Power input requirements.....	12 VDC, 0.4 A for both transmitter and receiver	
Temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing	
Cooling.....	Convection, no vents	
Mounting		
Rack mount.....	Yes, with optional 1U, rack shelf	
Enclosure type	Metal	
Enclosure dimensions		
DVI 201 Tx/Rx	1.0" H x 4.3" W x 3.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 7.6 cm D)	
Product weight	0.5 lbs (0.3 kg)	
Shipping weight	3 lbs (2 kg)	
Listings	UL, CUL	
Compliances.....	CE, FCC Class A**, VCCI, AS/NZS, IEC	
MTBF.....	30,000 hours	
NOTE: **FCC testing is conducted with STP (shielded twisted pair) cable.		
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part Number
DVI 201 Tx/Rx	Transmitter/Receiver Set	60-734-03
DVI 201 Tx	Transmitter	60-734-12
DVI 201 Rx	Receiver.....	60-734-13
DVI 201 A D Tx	Transmitter.....	60-865-1X
DVI 201 A D Rx	Receiver.....	60-865-2X

Specifications are subject to change without notice.



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