

DDTX DVI & DDRX DVI

DVI Long Distance Extender



DDTX DVI Transmitter

DDRX DVI Receiver

FEATURES

- Extends single link DVI signals up to 330 feet (100 m) using four Extron RG6/SHR cables and one communication cable
- Input: DVI-D male connector on attached input cable
- Output: DVI-D female connector
- DDC input and output: Captive screw terminal
- Capable of handling computer resolutions up to 1600x1200 and HDTV resolutions up to 1080p/60
- Maintains bi-directional DDC communications between source and display
- Rack or under-desk mountable metal enclosure - DDTX DVI
- Through-desk and under-desk mountable - DDRX DVI
- Internal international power supply - DDTX DVI
- External international power supply - DDRX DVI

DESCRIPTION

The Extron **DDTX DVI & DDRX DVI** is a DVI Transmitter/Receiver pair of products for long-distance transmission of single link DVI - Digital Visual Interface signals. DVI video signals typically are limited to maximum transmission distances up to 15 feet (5 m). Using the DDTX DVI and DDRX DVI, DVI signals can be transmitted up to 330 feet (100 m) using Extron RG6/SHR-4 coaxial cable or 150 feet (45 m) using Extron RG59/HR coaxial cable, while the bi-directional DDC Display Data Channel can be carried over Extron CTL Series cable. The DDTX DVI and DDRX DVI can also transmit HDMI - High Definition Multimedia Interface signals with optional Extron HDMI-DVI adapters.

The DDTX DVI is housed in a 1U, half rack width metal enclosure. The DDRX DVI receiver is housed in a compact enclosure that is small enough to be mounted near the display.

VIDEO OUTPUT (DDRX)

Number and connectors	1 DVI female
Maximum output cable length	16.4 feet (5 meters)
Nominal differential level	0.8 Vp-p
Min. / Max. differential level	0.6 V to 1.0 Vp-p

GENERAL

Power (DDTX DVI)	100 VAC to 240 VAC, 50/60 Hz, autoswitchable; 12 watts; internal
Power (DDRX DVI)	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated
External power supply	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.5 A
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
Rack mount	
DDTX DVI	Yes, with optional rack shelf, part #60-190-01 or #60-604-01
DDRX DVI	No, but furniture mountable with optional kit
Enclosure type	Two metal enclosures
Enclosure dimensions (each)	
DDTX DVI	1.7" H x 8.7" W x 9.4" D (1U high, half rack wide) 4.3 cm H x 22.1 cm W x 23.9 cm D
DDRX DVI	1.3" H x 5.7" W x 4.5" D 3.3 cm H x 14.5 cm W x 11.4 cm D

Product weight	
DDTX/DDRX DVI (pair)	3.6 lbs (1.6 kg)
Shipping weight	
DDTX/DDRX DVI (pair)	7 lbs (4 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

SPECIFICATIONS

VIDEO INPUT (DDTX)

Number and connectors	1 attached cable with DVI male connector
Nominal differential level	1 Vp-p
Min. / Max. differential level	0.3 V to 1.2 Vp-p

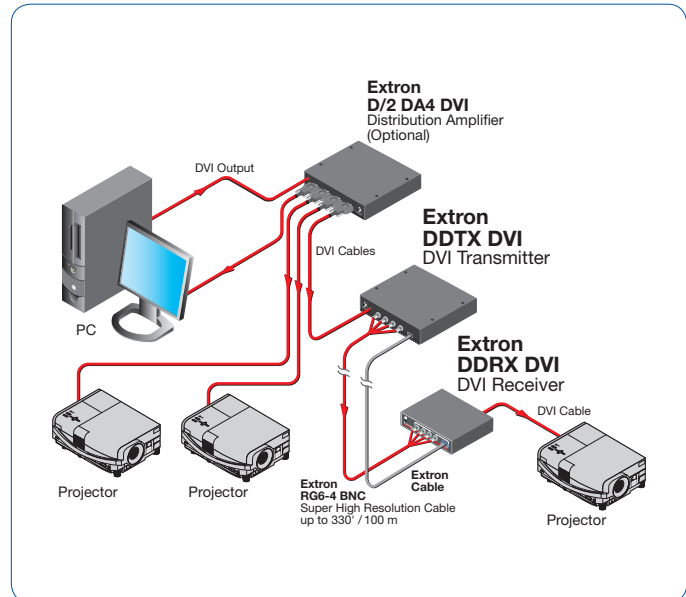
VIDEO THROUGHPUT (DDTX AND DDRX)

Connectors	4 BNC female connectors 1 female 3.5 mm 5-pole captive screw connector (DDC channel)
Maximum bit rate	5 Gbps total (1.6 Gbps per color)
Maximum cable drive length	Mini HR cable: 150' (45.7 m) RG59/HR cable: 300' (91.4 m) RG6/SHR cable: 350' (106.7 m)

NOTE: Cable drive length was tested using a 1600x1200 signal at 60 Hz from an ATI DVI graphics card to a Philips 200P4VS/74 LCD display. Results may vary greatly with other sources and displays.

VIDEO SIGNAL CHARACTERISTICS (DDTX AND DDRX)

Rise / Fall time	220 ps nominal, maximum 350 ps
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MODEL

DDTX/DDRX DVI

VERSION DESCRIPTION

Long Distance DVI Transmitter & Receiver

PART

60-316-02

OPTIONAL ACCESSORIES

MODEL DESCRIPTION	PAGE	PART #
RSU 129 1U 9.5" Deep Universal Rack Shelf Kit	page 819	60-190-01
MBU 125 1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure	page 815	70-077-01
MBD 129 1U, 1/2 & 1/4 Rack Width Through-Desk Mount Kit for Two-Piece Enclosure	page 817	70-077-02

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