

What's in the Box?

PART NO.	QTY	DESCRIPTION
UDX-2PS	1	2 DVI-D and USB 2.0 over CAT6 STP Extender. Includes: [UDX-2P-TX, UDX-2P-RX and 2 x (PS-5VD4A)]
Power Supply	1	PS5VDC4A
User Manual	1	

Technical Specifications

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(2) DVI-D 29-pin female
Output Interface (RX)	(2) 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.

USB	
Signal Type	USB 2.0 480 Mbit/s (60 MB/s)
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(4) USB Type A (Female)

OTHER	
Power	External 100-240 VAC/5VDC4A @20W
Dimensions	10.5 in W x 1.75 in H x 3.375 in D (3 in RX)
Weight	4 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

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UDX-2P-TX Front



UDX-2P-TX Rear



UDX-2P-RX Front



UDX-2P-RX Rear

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Installation Manual

UDX-2P

Dual DVI-D and USB 2.0 Extender over Twisted Pair with Super Reclocking



Dual DVI-D and USB 2.0 Extender up to 250 feet over Twisted Pair Cable

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Introduction

The UDX-2P is the perfect solution for extending dual DVI-D displays and USB 2.0 devices to a remote location. It extends DVI-D and USB 2.0 signals to a remote location up to 250 feet away. The UDX-2P features pixel accurate signal reclocking which regenerates the input signal into a perfectly sharp and clear output signal. It is fully plug and play with dynamic DDC learning.

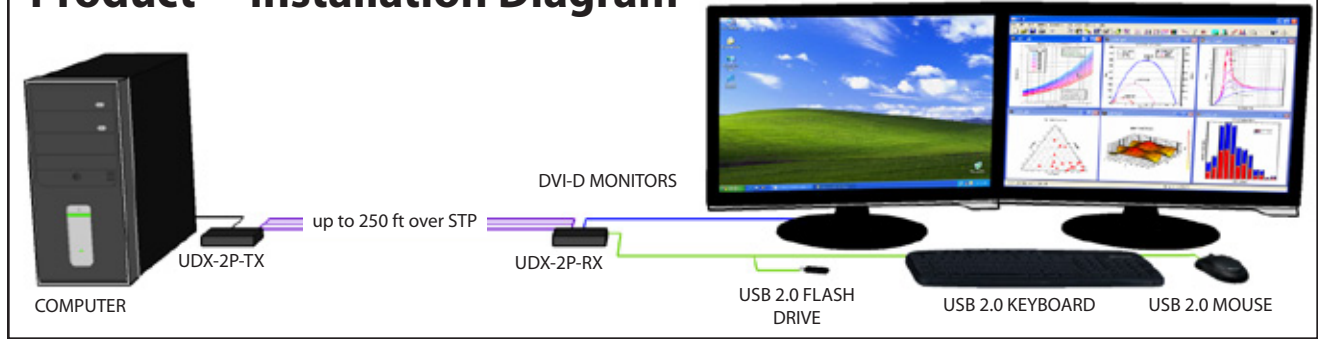
Features

- DDC from internal table for Mac/PC
- Dedicated switch to learn any DDC
- Supports High Resolution 1920x1200 60Hz WUXGA
- Supports Mac, PC, and Linux DVI
- Uses universal DVI Single Link connectors
- Zero pixel loss with TMDS signal correction
- Supports all USB 2.0 and 1.0 Devices Transparently (Disk Drives, Flash Drives, Printers, Cameras, Scanners, etc.)
- Supports 4-port USB 2.0 in remote location
- Full reclocking for the receiver regenerates digital signal producing top signal quality
- Extends up to 250ft (275ft with high quality CAT6 STP)
















Applications

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

Product - Installation Diagram



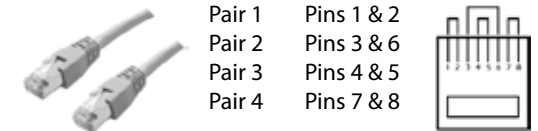
Connecting the UDX-2P

1. Power off all devices.
2. Connect two DVI-D sources (computer) to the DVI-D ports of the UDX-2P-TX labeled **DVI-D IN 1** and **DVI-D IN 2**.
3. Connect a USB source to the USB port of the the UDX-2P-TX labeled .
4. Connect the UDX-2P-TX to the the UDX-2P-RX with three STP (Shielded Twisted Pair) cables using the ports labeled  1  from TX to  1  RX,  2  TX to  2  RX,  3  TX to  3  RX.
5. Connect the DVI displays to the port on the rear of the UDX-2P-RX labeled **DVI-D IN 1** and **DVI-D IN 2**.
6. Connect up to 4 USB 2.0 devices to the ports on the UDX-2P-RX labeled .
7. Connect the power supply to the ports labeled  on the UDX-2P-TX and UDX-2P-RX.
8. Power on the computer, displays and USB 2.0 devices.

Learning the EDID of a Display

1. Power off all devices.
2. Power on the UDX-2P Transmitter and the display to be learned.
3. Connect a DVI-D display to the DVI-D port of the UDX-2P transmitter labeled **DVI-D IN 1**.
4. Press the **LEARN** button
5. The light will blink quickly if the learning was successful. If the learning is unsuccessful the light will not illuminate.

The following is the wiring standard for terminating UTP/STP cable using RJ-45-STP connector:



Connectors:	RJ-45-STP
Capacitance:	14 pf/ft (46.2 pf/m)
Conductor Gauge:	24 AWG
Impedance:	100 +/- 15 ohms