What's in the Box?

PART NO.	QTY	DESCRIPTION
UDX-PS	1	DVI-D+USB 2.0 CAT6 STP Extender. Includes: [UDX-PTX, UDX-PRX, 2x PS5VD4A]
Power Supply	1	PS5VDC4A
User Manual	1	

Technical Specifications

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.

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	7.25 in W x 1.75 in H x 3.375 in D (3 in RX)
Weight	3 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

NOTICE

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For more information, visit www.smartavi.com.

UDX-Plus-TX Front


UDX-Plus-TX Rear

UDX-Plus-RX Front


UDX-Plus-RX Rear

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

Installation Manual

UDX-Plus

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

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

www.smartavi.com

Introduction

The UDX-Plus 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-Plus 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.

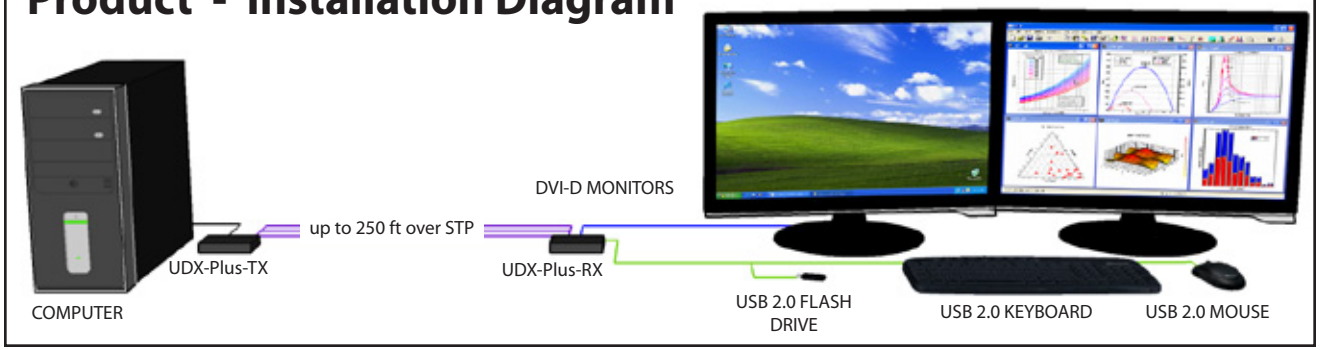
Features

- 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-Plus

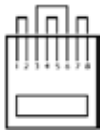
1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port of the UDX-Plus-TX labeled **DVI-D IN** .
3. Connect a USB source to the USB port of the the UDX-Plus-TX labeled **USB IN**.
4. Connect the UDX-Plus-TX to the the UDX-Plus-RX with two STP (Sheilded Twisted Pair) cables using the ports labeled ◂1▸ from TX to ◂1▸ RX, and ◂2▸ TX to ◂2▸ RX.
5. Connect the DVI display to the port on the rear of the UDX-Plus-RX labeled **DVI-D IN**.
6. Connect up to 4 USB 2.0 devices to the ports on the UDX-Plus-RX labeled **USB IN**.
7. Connect the power supply to the ports labeled ⊕●⊖ on the UDX-Plus-TX and UDX-Plus-RX.
8. Power on the computer, display and USB 2.0 devices.

Learning the EDID of a Display

1. Power off all devices.
2. Power on the UDX-Plus Transmitter and the display to be learned.
3. Connect a DVI-D display to the DVI-D port of the UDX-Plus-TX labeled **DVI-D IN** .
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:

Pair 1	Pins 1 & 2
Pair 2	Pins 3 & 6
Pair 3	Pins 4 & 5
Pair 4	Pins 7 & 8



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