

What's in the Box?

PART NO.	QTY	DESCRIPTION
DVX-UTTXS	1	DVI-D+USB 2.0 Extender Transmitter
DVX-UTRXS	1	DVI-D+USB 2.0 Extender Receiver
Power Supply	2	PS5VDC4A

Technical Specifications

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	DVI-D 29-pin female
Output Interface (RX)	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 (Fully Transparent)
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	6.25 in W x 1 in H x 3.5 in D
Weight	1 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

© Copyright 2011 Smart-AVI, All Rights Reserved

NOTICE

The information contained in this document is subject to change without notice. Smart-AVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for any particular purpose.

Smart-AVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material.

No part of this document may be photocopied, reproduced or translated into another language without prior written consent from Smart-AVI.

For more information, visit www.smartavi.com.



DVX-UltraTX Front



DVX-UltraTX Rear



DVX-UltraRX Front



DVX-UltraRX Rear

Smart-AVI
SMART AUDIO VIDEO INNOVATION

Installation Manual

DVX-Ultra DVI-D and USB 2.0 Extender over STP



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

Smart-AVI
SMART AUDIO VIDEO INNOVATION

SmartAVI, Inc. / Twitter: smartavi
11651 Vanowen St., North Hollywood, CA 91605
Tel: (818) 503-6200 Fax: (818) 503-6208
<http://www.SmartAVI.com>

www.smartavi.com

Introduction

The DVX-Ultra extends DVI-D Video and USB 2.0 up to 250 feet over 2 CAT6 STP Cables.

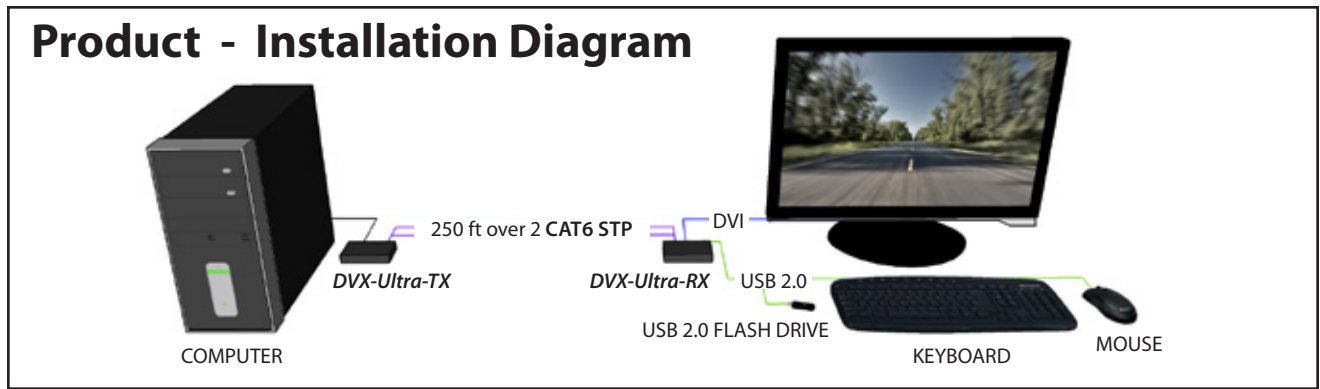
Features

- Extends USB 2.0 and DVI-D signals up to 250 feet from the computer
- Data recovery for digital video
- Supports 1920x1200 digital video resolution
- Fully compliant with USB 1.1 and 2.0 specifications
- Supports USB 1.1 (12 Mbps) and USB 2.0 (480 Mbps) data rates
- Integrated Four-Port Hub in the receiver
- Compatible with all operating systems
- External power adapter for transmitter and receiver unit
- Fully transparent USB (does not use any emulation)
- Plug and play








Applications

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


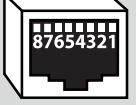
Product - Installation Diagram



Connecting the DVX-Ultra

1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port of the DVX-Ultra-TX labeled .
3. Connect a USB source to the USB port of the the DVX-Ultra-TX labeled .
4. Connect the DVX-Ultra-TX to the the DVX-Ultra-RX with two STP (Sheilded Twisted Pair) cables using the ports labeled  and .
5. Connect a DVI monitor to the port of the DVX-Ultra-RX labeled .
6. Connect up to 4 USB 2.0 devices to the ports on the DVX-Ultra-RX labeled .
7. Connect the power supply to the ports labeled  on the DVX-Ultra-TX and DVX-Ultra-RX.
8. Power on the computer, displays and USB 2.0 devices.

CAT5/5e/6 CABLE SPECIFICATIONS

CONNECTOR	PAIR	PINS
RJ-45 MALE 	RJ-45 FEMALE 	1 1 & 2
		2 3 & 6
		3 4 & 5
		4 7 & 8
CAPACITANCE	14 pf/ft (46.2 pf/m)	
CONDUCTOR GAUGE	24 AWG	
IMPEDANCE	100 +/- 15 ohms	