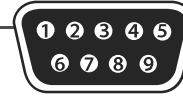


TECHNICAL SPECIFICATIONS

VIDEO	
Format	(2) DVI-D Single Link
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.
RS232	
Input Interface	(2) DB9 (Female)
Output Interface	(2) DB9 (Male)
Control	@ 115 Kbps
AUDIO	
Signal Type	Stereo Audio
Bandwidth	15MHz, 0dB
Impedance	100 Ohm
Connector	3.5 mini jack, Female
USB	
Signal Type	USB 1.1
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(2) USB Type A (Female)
OTHER	
Power	External 100-240 VAC/5VDC4A @20W
Dimensions	8.25 in W x 1 in H x 3.5 in D
Weight	4 lbs.
Operating Temp.	0-55 °C (32-131 °F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

RECEIVE ON DB9 MALE

PIN #	NAME	DESCRIPTION
2	RxD	Receive Data on DB9 Male
3	TxD	Transmit Data on DB9 Male
5	SGND	Ground



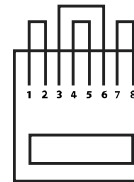
TRANSMIT ON DB9 FEMALE

PIN #	NAME	DESCRIPTION
2	TxD	Transmit Data on DB9 Female
3	RxD	Receive Data on DB9 Female
5	SGND	Ground

PREPARING AND CONNECTING SYSTEM CAT5 CABLE

Following is the wiring standard for terminating CAT 5 cable using RJ-45 connector:

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



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



Designed and Manufactured in the USA

800.AVI.2131

Tel: (818) 503-6200 Fax: (818) 503-6208
11651 Vanowen St. North Hollywood, CA 91605

SmartAVI.com

Smart-AVI
SMART AUDIO VIDEO INNOVATION

SDX-2P

**SUPER RANGE HDBaseT
DUAL DVI-D, DUAL
RS232, AUDIO AND USB
KEYBOARD AND MOUSE
EXTENDER**

**EXTEND DUAL DVI-D, DUAL RS232,
USB KEYBOARD, MOUSE AND
AUDIO UP TO 400 FEET OVER
DUAL CAT5/5E/6 CABLE**

USER MANUAL



INTRODUCTION

Using HDBaseT technology, the SDX-2P DVI extender is capable of sending dual DVI-D signals up to 400 feet over two conventional and inexpensive CAT5/5e/6 cable. HDBaseT technology is superior to older DVI extenders that require special CAT6 shielded cable to go a short distance.

The SDX-2P also has USB keyboard and mouse, audio and RS232 extension, giving you the ability to control your displays or devices remotely.

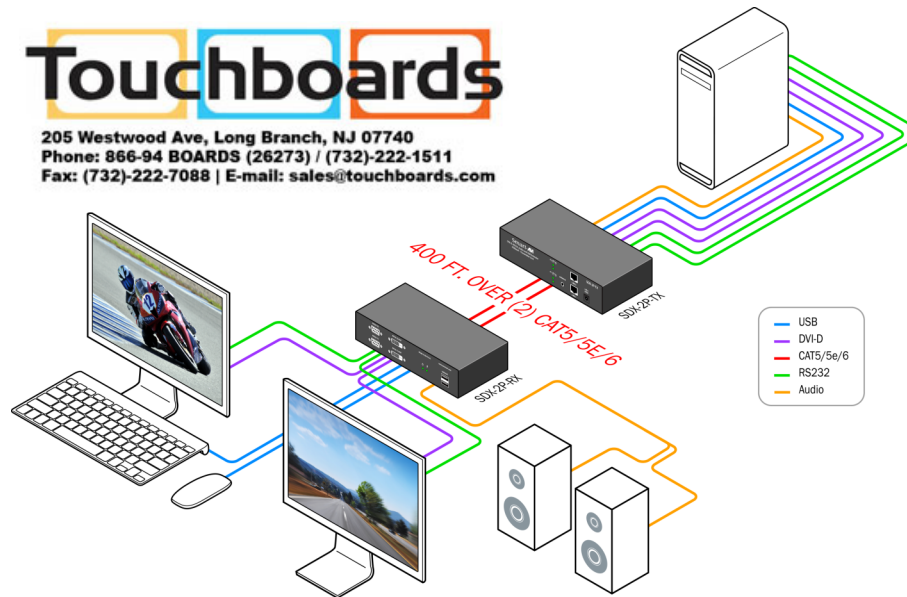
FEATURES

- Extends dual DVI-D up to 400 feet (120m) from the source
- HDCP Support
- Supports up to 1920x1200 digital video resolution
- Automatic DDC Learning
- USB Keyboard and Mouse extension
- Uncompressed Video HDBaseT
- RS232 extension allows for remote control of displays
- External power adapter for transmitter and receiver unit
- Supports Stereo Sound
- Compatible with Windows, Mac and Linux Operating Systems

WHAT'S IN THE BOX?

PART NO.	QTY	DESCRIPTION
SDX-2P-RX	1	SDX-2P Receiver. Dual DVI-D, Dual RS232, USB & Audio Receiver over CAT5/5e/6
SDX-2P-TX	1	SDX-2P Transmitter. Dual DVI-D, Dual RS232, USB & Audio Transmitter over CAT5/5e/6
Power Supply	2	PS5VDC4A

INSTALLATION DIAGRAM



APPLICATIONS

- Digital Signage
- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording Studio
- PC KVM Extension

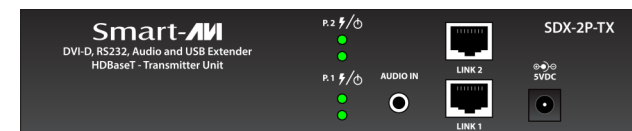
To reach maximum distances with HDBaseT technology, it is recommended to use the best possible quality cable available. CAT5e/6 shielded cabling is ideal for best performance.

CONNECTING THE SDX-2P

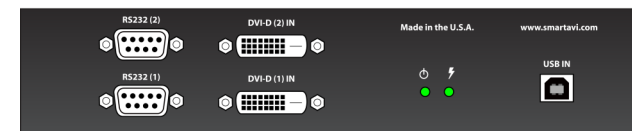
1. Power off all devices.
2. Connect two DVI-D sources (computer) to the two DVI-D ports on the back of the SDX-2P-TX.
3. Connect a USB source (computer) to the USB port on the SDX-2P-TX.
4. Optionally connect RS232 for control functions.
5. Connect the SDX-2P-TX to the SDX-2P-RX with two CAT5 UTP (Unshielded Twisted Pair) cables.
6. Connect a DVI-D compatible display to each of the two DVI-D ports on the back of the SDX-2P-RX.
7. Connect USB keyboard and mouse to the USB ports on the SDX-2P-RX.
8. Optionally connect RS232 for control functions.
9. Connect the power to the SDX-2P-RX and the SDX-2P-TX.
10. Power on the display and then the computer.

The DDC of your display will be learned automatically.

SDX-2P-TX Front



SDX-2P-TX Back



SDX-2P-RX Front



SDX-2P-RX Back

