

Technical Specifications*

VIDEO	
Format	DVI-D Single Link
Max. 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 @ 60 Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input/Output Cable Length	Up to 20 ft
USB	
Signal Type	OHCI/UHCI (USB1.1)
Input Interface (TX)	(1) USB Type-B (female)
Output Interface (RX)	(2) USB Type-B (female)
RS232	
Input Interface (TX)	(2) DB9 (female)
Output Interface (RX)	(2) DB9 (female)
Speed	@ 115 Kbps
AUDIO	
Signal Type	Stereo Audio
Bandwidth	15 MHz, 0dB
Impedance	100 Ohm
Connector	3.5 mini jack (female)
OTHER	
Power Supply	External 100-240 VAC/5VDC4A
Dimensions	8.25" W x 1" H x 3.5" D
Weight	4 lbs
Operating Temp.	32 to 131°F (0 to 55 °C)
Storage Temp.	-4 to 185°F (-20 to 85 °C)
Humidity	Up to 95%

ORDER INFO	
Part No.	Description
SDX-2PS	Dual DVI-D , USB 1.1, Dual RS232 , Audio, CAT5/5e/6 Extender Includes: [SDX-TX2P, SDX-RX2P, 2 X (PSSVD4A-WLLMNT)]
SDX-TX2P	Dual DVI-D , USB 1.1, Dual RS232 , Audio, CAT5/5e/6 Transmitter. Includes: [SDX-TX2P, PSSVD4A-WLLMNT]
SDX-RX2P	Dual DVI-D , USB 1.1, Dual RS232 , Audio, CAT5/5e/6 Receiver. Includes: [SDX-RX2P, PSSVD4A-WLLMNT]

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Rack Mountable Option



Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

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SMART AUDIO VIDEO INNOVATION

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SMART AUDIO VIDEO INNOVATION

Installation Manual

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 ft over Dual CAT5/5E/6 Cable

www.smartavi.com

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

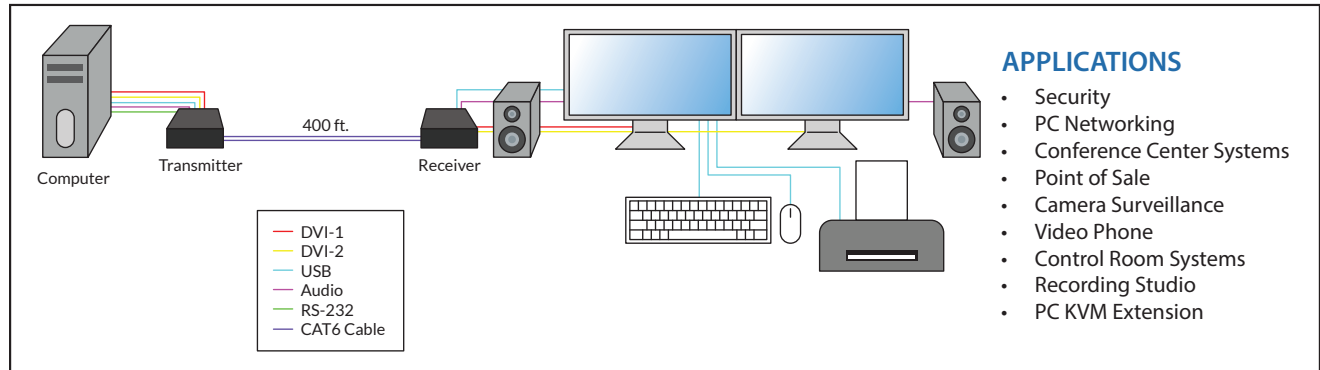
- Extends dual DVI-D up to 400 feet (120m) from the source
- HDCP Support
- Supports up to 1920x1200 digital video resolution
- Automatic DDC Learning
- USB Keyboard and Mouse extension
- Uncompressed Video HDBaseT
- RS232 extension allows for remote control of displays
- External power adapter for transmitter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

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.

What's in the Box?

PART NO.	QTY	DESCRIPTION
SDX-TX2P	1	Dual DVI-D , USB 1.1, Dual RS232 , Audio, CAT5/5e/6 Transmitter
SDX-RX2P	1	Dual DVI-D , USB 1.1, Dual RS232 , Audio, CAT5/5e/6 Receiver
Power Supply	2	PS5VDC4A

Product - Installation Diagram



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-TX2P.
3. Connect a USB source (computer) to the USB port on the SDX-TX2P.
4. Optionally connect RS-232 and IR for control functions.
5. Connect the SDX-TX2P to the SDX-RX2P 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-RX2P.
7. Connect USB keyboard and mouse to the USB ports on the SDX-RX2P.
8. Optionally connect RS-232 and IR for control functions.
9. Connect the power to the SDX-RX2P and the SDX-TX2P.
10. Power on the display and then the computer.

The DDC of your display will be learned automatically.



SDX-TX2P Front



SDX-TX2P Back

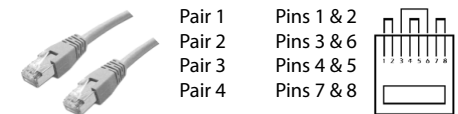


SDX-RX2P Front



SDX-RX2P Back

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



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