TECHNICAL SPECIFICATIONS

VIDEO	
Format	(4) DVI-D Single Link
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(4) DVI-D 29-pin (Female)
Output Interface (RX)	(4) DVI-D 29-pin (Female)
Resolution	Up to 1920x1200 @60Hz and 3840x2160 @30Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
DVI-D Cable Max Length	Up to 20 ft.
RS232	
Input Interface	(2) DB9 (Female)
Output Interface	(2) DB9 (Male)
Speed	Up to 115 Kbps
AUDIO	
Signal Type	Stereo Audio
Bandwidth	15MHz, 0dB
Impedance	100 Ohm
Connector	3.5 mm jack, Female
USB	
Signal Type	USB 1.1 (Keyboard and Mouse Only)
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(2) USB Type A (Female)
OTHER	
Power	Internal 100-240 VAC/5VDC4A @20W
Dimensions	17 in W x 1.7 in H x 3.2 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

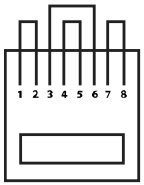
TRANSMIT ON DB9 FEMALE

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

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11651 Vanowen St. North Hollywood, CA 91605

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SMART AUDIO VIDEO INNOVATION

SDX-4P

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

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

USER MANUAL

INTRODUCTION

Using HDBaseT technology, the SDX-4P DVI extender is capable of sending quad 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-4P also has USB keyboard and mouse, audio and RS232 extension, giving you the ability to control your displays or devices remotely.

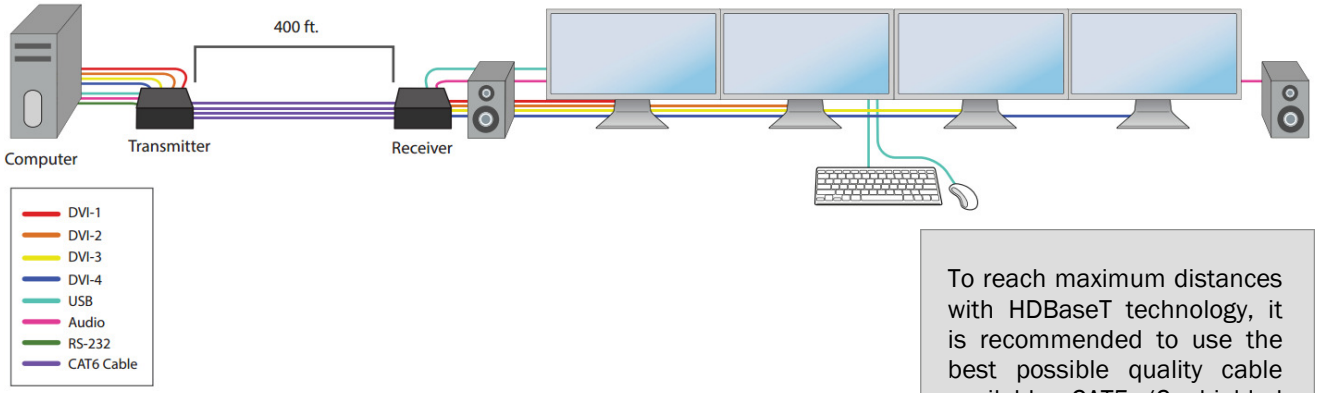
FEATURES

- Extends quad DVI-D up to 400 feet (120m) from the source
- HDCP Support
- Supports up to 1920x1200 resolution @ 60Hz.
- Supports 4k/2k (3840x2160) resolution @ 30Hz.
- Automatic EDID Learning
- USB Keyboard and Mouse extension
- Uncompressed Video using HDBaseT
- RS-232 extension allows for remote control of displays
- Supports Stereo Sound
- Compatible with Windows, Mac and Linux Operating Systems

WHAT'S IN THE BOX?

PART NO.	QTY	DESCRIPTION
SDX-4P-RX	1	SDX-4P Receiver. Quad DVI-D, Dual RS232, USB & Audio Receiver over CAT5/5e/6
SDX-4P-TX	1	SDX-4P Transmitter. Quad DVI-D, Dual RS232, USB & Audio Transmitter over CAT5/5e/6
Power Supply	2	PS5VDC4A

APPLICATION DIAGRAM



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.

SDX-4P-TX FRONT

SDX-4P-RX FRONT

SDX-4P-TX BACK

SDX-4P-RX BACK

CONNECTING THE SDX-4P

1. Power off all devices.
2. Connect four DVI-D sources from the computer to the four DVI-D input ports on the back of the SDX-4P-TX.
3. Connect the computer's USB port to the USB port on the SDX-4P-TX using a USB male (A-to-B) cable.
4. Connect the computer's stereo audio output to the audio input port of the SDX-4P-TX using a 3.5 mm (1/8 in) stereo audio cable.
5. Optionally connect RS-232 from a computer for control functions.
6. Connect Links 1 to 4 of the SDX-4P-TX to Links 1 to 4 of the SDX-4P-RX using four CAT5/5e/6 cables.
7. Connect a DVI-D compatible display to each of the four DVI-D ports on the back of the SDX-4P-RX.
8. Connect a USB keyboard and mouse to the USB ports on the SDX-4P-RX.
9. Optionally connect RS-232 to an RS-232 enabled device for control functions.
10. Connect power cables to the SDX-4P-RX and the SDX-4P-TX and turn both units on.
11. Power on all the displays and then the computer.

The EDID of your displays will be learned automatically.