

What's in the Box?

PART NO.	QTY	DESCRIPTION
SDX-RX	1	SDX Receiver. DVI-D + RS232 + IR Receiver over CAT5/5e/6
SDX-TX	1	SDX Transmitter. DVI-D + RS232 + IR Transmitter over CAT5/5e/6
Power Supply	2	PS5VDC4A

Technical Specifications

VIDEO	
Format	DVI-D Single Link
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.
RS232	
Input Interface	DB9 (Female)
Output Interface	DB9 (Female)
Control	@ 115 Kbps
IR	
Frequency Response	30KHz to 80KHz
Input Interface (RX)	(1) 3.5 mm (Female)
Output Interface (TX)	(1) 3.5 mm (Female)
OTHER	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	5.125 in W x 1 in H x 3.625 in D
Weight	0.5 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

© Copyright 2012 SmartAVI, 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.

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.

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>

Smart-AVI
SMART AUDIO VIDEO INNOVATION

Installation Manual

SDX

Super Range DVI-D, RS232 and IR
Extender



Extend DVI-D video, RS232 and
IR up to 330 feet (100m) over a
single CAT5/5e/6 cable

www.smartavi.com

Introduction

Using HDBaseT technology, the SDX DVI extender is capable of sending a DVI-D signal up to 330 feet over a single 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 also has RS232 and IR extension, giving you the ability to control your displays or devices remotely.

Features

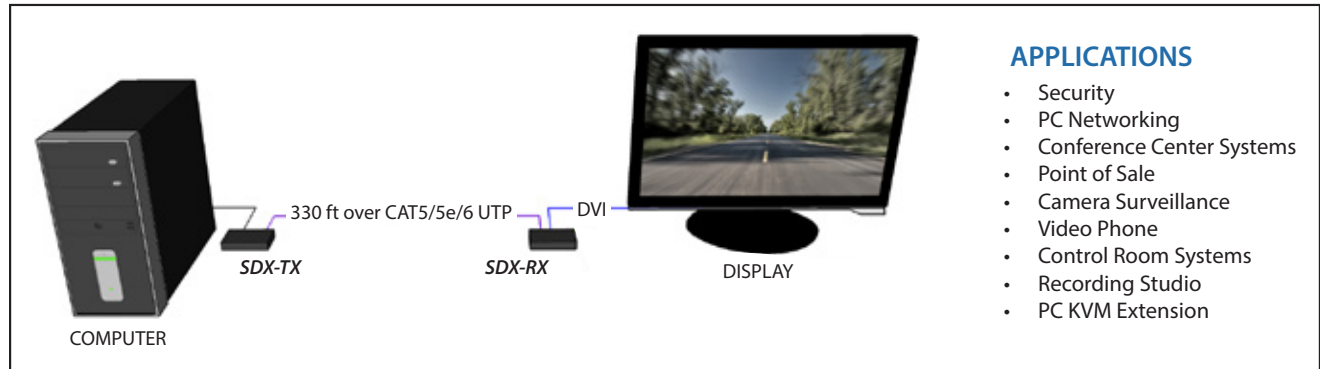
- Extends DVI-D up to 330 feet (100m) from the source
- Data recovery for digital video
- Supports up to 1920x1200 digital video resolution
- Automatic DDC Learning
- Uncompressed Video HDBaseT
- IR and RS232 extension allows for remote control of displays
- External power adapter for transmitter and receiver unit
- Plug and play

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.

Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

Product - Installation Diagram



APPLICATIONS

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

Connecting the SDX

1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port on the rear of the SDX-TX.
3. Optionally connect RS232 and IR for control functions.
4. Connect the SDX-TX to the the SDX-RX with one CAT5 UTP (Unshielded Twisted Pair) cable.
5. Connect a DVI-D compatible display to the DVI-D port on the rear of the SDX-RX.
6. Optionally connect RS232 and IR for control functions.
7. Connect the power to the SDX-RX and the SDX-TX.
8. Power on the display and then the computer.

The DDC of your display will be learned automatically.

SDX-TX Front



SDX-TX Rear



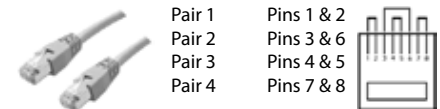
SDX-RX Front



SDX-RX Rear



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