

## TECHNICAL SPECIFICATION

VIDEO	
Format	DVI-D Single Line
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 Up to 4K/2K (3840x2160) @30Hz
DDC	5 volts p-p (TTL)
Input equalization	Automatic
Input cable length	Up to 20 ft
Output cable length	Up to 20 ft
IR	
Input interface (TX)	(1) 3.5 mm (Female)
Output interface (RX)	(1) 3.5 mm (Female)
Frequency Response	30KHz to 80KHz
RS-232	
Input Interface (TX)	DB9 (Female)
Output Interface (RX)	DB9 (Female)
Speed	@ 115 Kbps
OTHER	
Power	External 100-240 VAC/5VDC2A
Dimensions	5.125" W x 1" H x 3.625" 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%

## WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
SDX-TX	1	DVI-D, USB 1.1, RS232, Audio, CAT5/5e/6 Transmitter
SDX-RX	1	DVI-D, USB 1.1, RS232, Audio, CAT5/5e/6 Receiver
PS5VDC2A	2	PS5VD2A Power Supply
Quick Start Guide	1	

## NOTICE

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



800.AVI.2131, 702.800.0005  
2455 W Cheyenne Ave, Suite 112  
North Las Vegas, NV 89032

[SmartAVI.com](http://SmartAVI.com)

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

# 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**

## Quick Start Guide

## ABOUT SFX

The SDX DVI extender is capable of sending dual DVI-D signals up to 400 feet over two conventional and inexpensive Cat5/5e/6 cables. The SDX also has USB keyboard and mouse, audio and RS-232 extension, giving users the ability to control displays or devices remotely.

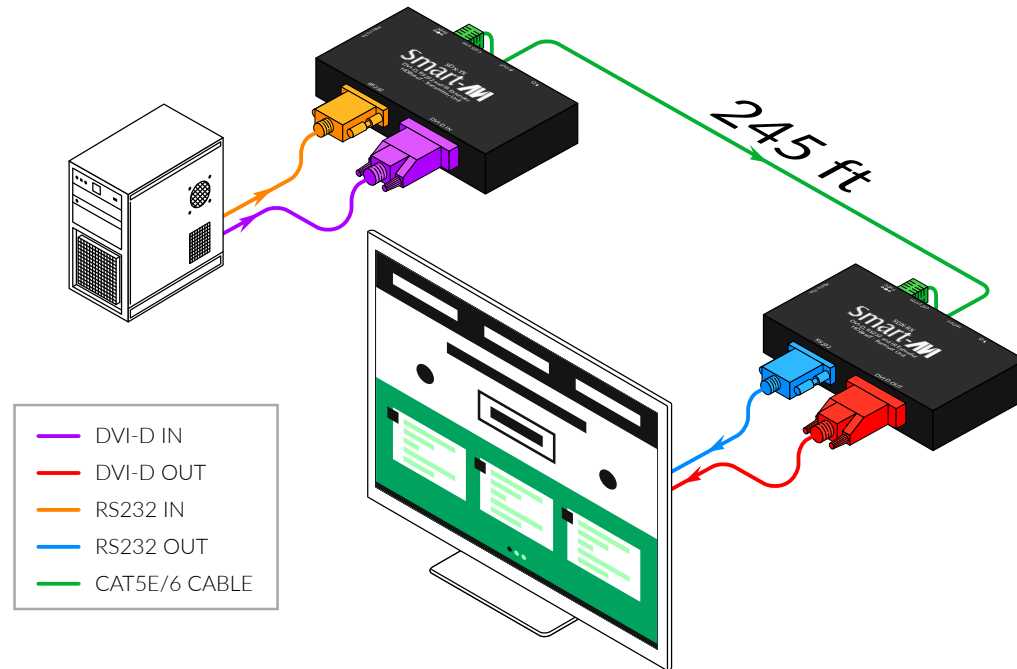
## FEATURES

- Extends DVI-D up to 245 feet from the source
- CP Support
- Supports up to 1920x1200 digital video resolution @ 60 Hz
- Supports 4K/2K (3840x2160) video resolution @ 30 Hz
- Automatic DDC Learning
- USB Keyboard and Mouse extension
- RS-232 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

## HARDWARE INSTALLATION

1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port on the back of the SDX-TX.
3. Connect a USB source (computer) to the USB port on the SDX-TX.
4. Optionally connect RS-232 and IR for control functions.
5. Connect the SDX-TX to the SDX-RX with a CAT5 UTP (Unshielded Twisted Pair) cable.
6. Connect a DVI-D compatible display to each of the two DVI-D ports on the back of the SDX-RX.
7. Connect USB keyboard and mouse to the USB ports on the SDX-RX.
8. Optionally connect RS-232 and IR for control functions.
9. Connect the power to the SDX-RX and the SDX-TX.
10. Power on the display and then the computer.

**NOTE:** The DDC of your display will be learned automatically



### SDX-TX FRONT



### SDX-RX FRONT



### SDX-TX BACK



### SDX-RX BACK

