SDX

SUPER RANGE DVI-D, RS232 AND IR EXTENDER

SDX-TX
Smart-AVI
DVI-D, RS232 and IR Extender
HDBaseT – Transmitter Unit

EXTEND DVI-D VIDEO, RS232 AND IR UP TO 330 FEET (100M) OVER A SINGLE CAT5/5E/6 CABLE

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
- IR and RS232 extension allows for remote control of displays
- External power adapter for transmitter and receiver unit
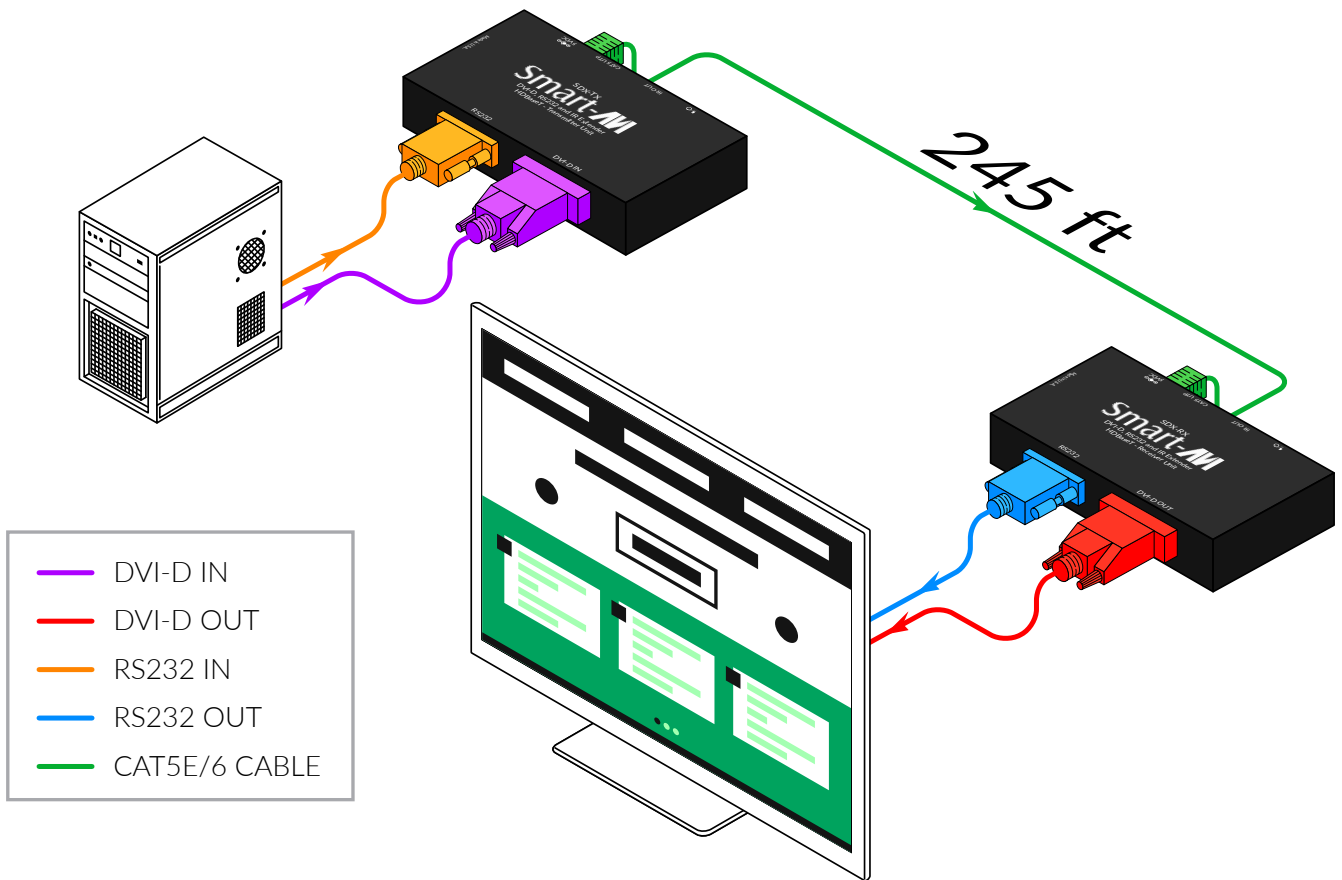- Plug and play

APPLICATIONS

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

Designed and Manufactured in the USA

OVERVIEW

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. The SDX also has RS232 and IR extension, giving you the ability to control your displays or devices remotely.

245 ft

▬	DVI-D IN
▬	DVI-D OUT
▬	RS232 IN
▬	RS232 OUT
▬	CAT5E/6 CABLE

EXTEND FOR ANY APPLICATION IN ANY ENVIRONMENT

SECURITY

When managing content in high-security environments, creating a safe and secure control room is critical. In the vast majority of such applications, that requires routing signals from a server room, where the computers are safely stored, to a control room, where approved personnel access the data and video feeds. Whether that's in a security surveillance center, an operations control room or some other security-related environment, being able to extend video, audio and USB is a must.

The SDX provides system architects with the flexibility they need to create secure environments for servers as well as the end users accessing those computers. And with video signal extension, users can manage their connected computers with expanded display options, enabling them to stay in control of their content at all times.

DIGITAL SIGNAGE

Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital signage hardware in one central location and to extend the video signals out from there.

That means signal extension is an important part of a smart digital signage solution, and the SDX gives users the flexibility they want and need to place their digital signage screens in the right locations to maximize their effectiveness.

AUDIO AND VISUAL RECORDING

For users in the recording arts, maintaining the utmost in signal and recording fidelity is an absolute necessity. For video recording, it is often important that no unsightly computers are visible. Similarly, audio engineers must keep noisy computers away from the rooms where recording happens to ensure the final product sounds professional. In both such instances, the SDX gives users the ideal way to keep their servers or computers away from areas that audio or video recording is being done, ensuring a better final product.

EXTENDER UNITS

SDX-TX Front

SDX-TX Back

SDX-RX Front

SDX-RX Back

TECHNICAL SPECIFICATIONS

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
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft

RS-232	
Input Interface (TX)	DB9 (Female)
Output Interface (RX)	DB9 (Female)
Speed	@ 115 Kbps

IR	
Frequency Response	30KHz to 80KHz
Input Interface (TX)	(1) 3.5 mm (Female)
Output Interface (RX)	(1) 3.5 mm (Female)

OTHER	
Power	External 100-240 VAC/5VDC2A
Dimensions	5.125" W x 1" H x 3.625" D
Weight	0.5 lb
Operating Temperature	0-55 °C (32-131°F)
Storage Temperature	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

PART NO.	DESCRIPTION
SDX-S	DVI-D and RS232 over a single CAT5 UTP Extender. Includes: [SDX-TX-S, SDX-RX-S, 2 x (PS5VD2A-WLLMNT)]
SDX-TX-S	DVI-D and RS232 over a single CAT5 UTP Transmitter. Includes: [SDX-TX-S and PS5VD2A-WLLMNT]
SDX-RX-S	DVI-D and RS232 over a single CAT5 UTP Receiver. Includes: [SDX-RX-S and PS5VD2A-WLLMNT]