

SDX-PLUS

DVI, KVM AND AUDIO EXTENDER OVER CAT5E/6



EXTEND DIGITAL VIDEO DVI-D 1920×1200, USB 2.0, USB KEYBOARD/MOUSE AND AUDIO UP TO 500 FT OVER A SINGLE CAT5/6 UNCOMPRESSED

FEATURES

- Extends DVI-D up to 400 ft (120 m) from the source
- Data recovery for digital video
- Supports up to 1920x1200 digital video resolution @ 60Hz
- Supports 4K/2K (3840x2160) video resolution @ 30Hz
- Automatic DDC Learning
- USB Keyboard and Mouse
- Supports RS-232 extension
- External power adapter for transmitter and receiver unit
- Plug-and-play ready

APPLICATIONS

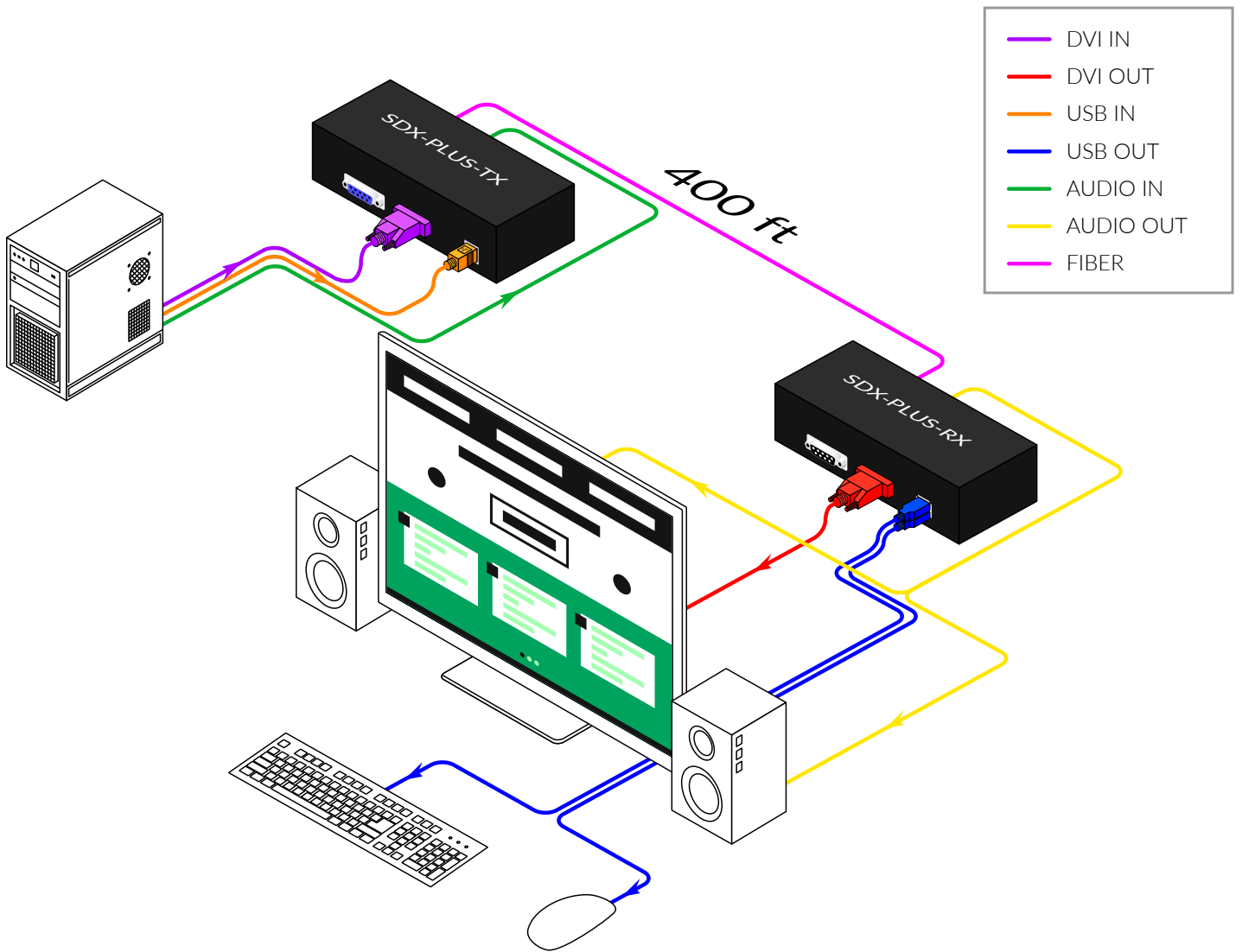
- Digital Signage
- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording Studio
- PC KVM Extension



Designed and Manufactured in the USA

OVERVIEW

The SDX-Plus DVI extender is capable of sending a DVI-D signal up to 400 ft over a single conventional and inexpensive CAT5/5e/6 cable. The SDX-Plus also has USB keyboard and mouse, and RS-232 extension, giving users the ability to control displays or devices remotely.



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-PLUS 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-PLUS 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-PLUS 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-PLUS-TX Front



SDX-PLUS-RX Front



SDX-PLUS-TX Back



SDX-PLUS-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; 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
RS-232	
Input Interface (TX)	(2) DB9 (Female)
Output Interface (RX)	(2) DB9 (Female)
Speed	@ 115 Kbps

USB	
Signal Type	OHCI/UHCI (USB 1.1)
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(2) USB Type A (Female)
OTHER	
Power	External 100-240 VAC/5VDC3A
Dimensions	8.25 in W x 1 in H x 3.625 in D
Weight	1 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-PLUS-S	DVI-D, USB and RS-232 Extender. Includes: [SDX-PLUS-TX-S, SDX-PLUS-RX-S, 2x (PS5VDC3A)]
SDX-PLUS-TX-S	DVI-D, USB and RS-232 Transmitter. Includes: [SDX-PLUS-TX-S and PS5VDC3A]
SDX-PLUS-RX-S	DVI-D, USB and RS-232 Receiver. Includes: [SDX-PLUS-RX-S and PS5VDC3A]

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