

# Quad Head DVI-D, USB Keyboard and Mouse Extender Over Cat5e/6



## SDX-4P

### Quad DVI-D, Dual RS-232, Audio and USB Keyboard and Mouse Extender

Extend Quad DVI-D, Dual RS-232, USB and Audio up to 400  
Feet Over Four Cat5/5E/6 Cables.



## OVERVIEW

Using HDBaseT technology, the SDX-4P DVI extender is capable of sending quad DVI-D signals up to 400 feet over four conventional and inexpensive CAT5/5e/6 cables. HDBaseT technology is superior to older DVI extenders that require a special CAT6 shielded cable to go a short distance. The SDX-4P also extends USB keyboard and mouse, audio and RS-232 signals, giving users the ability to control displays or devices remotely.

400 feet of signal extension from the SDX-4P gives system architects and end users the ability to create the audio and video environment that best suits their needs and applications. With support for high resolution monitors, users can get the most out of their displays while getting hundreds of extra feet of flexibility. And thanks to the unit's quad head functionality, users can operate a truly impressive and productivity-enhancing work space.

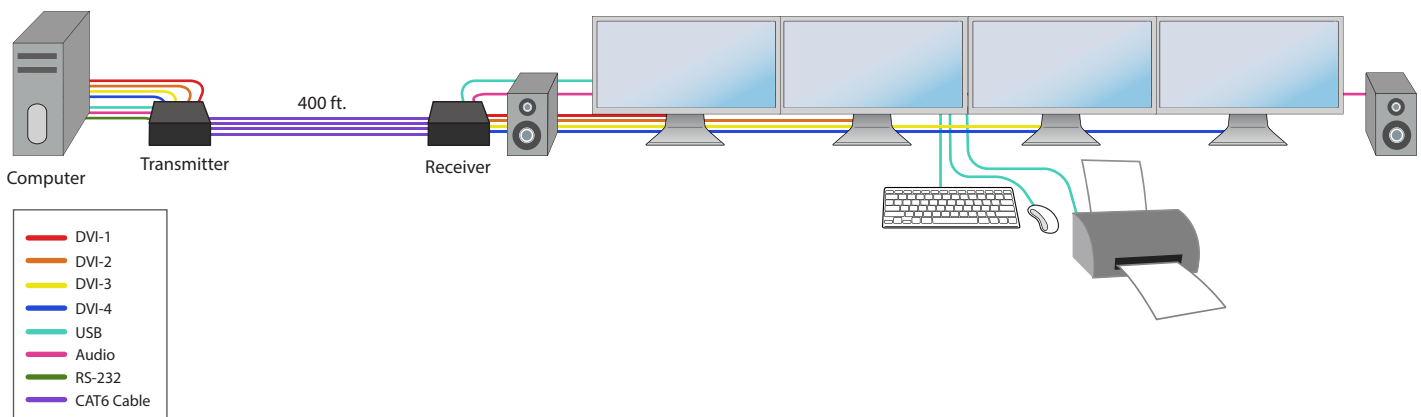
## FEATURES

- Extends quad DVI-D up to 400 feet (120m) from the source
- HDCP Support
- Supports up to 1920x1200 digital video resolution @ 60Hz
- Supports 4K/2K (3840x2160) video resolution @ 30Hz
- Automatic DDC Learning
- USB Keyboard and Mouse extension
- Uncompressed Video using HDBaseT
- 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

## APPLICATIONS

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

## APPLICATION DIAGRAM



## REAL WORLD APPLICATIONS

### 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, USB and RS-232 signals is a must.

The SDX-4P 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 quad DVI-D 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-4P 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-4P 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.



## SPECIFICATIONS

VIDEO	
Format	DVI-D Single Line
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 1920 x 1200 @ 60Hz AND 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)	DB9 (Female)
Output Interface (RX)	DB9 (Female)
Speed	@ 115 Kbps
IR	
Input Interface (TX)	(1) 3.5 mm (Female)
Output Interface (RX)	(1) 3.5 mm (Female)
Frequency Response	30KHz to 80KHz
USB	
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(2) USB Type A (Female)
Signal Type	OHCI/UHCI (USB 1.1)
OTHER	
Power	Internal 100-240 VAC/5VDC4A
Dimensions	17 in W x 1.7 in H x 3.2 in D
Weight	5 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

Part No.	Description
SDX-4PS	Quad DVI-D , USB 1.1 , RS232 , Audio, CAT5/5e/6 Extender. Includes: [SDX-TX4P, SDX-RX4P, 2 X (PS5VD4A)]
SDX-TX4P*	Quad DVI-D , USB 1.1 , RS232 , Audio, CAT5/5e/6 Transmitter. Includes: [SDX-TX4P, PS5VD4A-WLLMNT]
SDX-RX4P*	Quad DVI-D , USB 1.1 , RS232 , Audio, CAT5/5e/6 Receiver. Includes: [SDX-RX4P, PS5VD4A-WLLMNT]



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