

DVS-400

4-PORT DVI-D CAT6 STP EXTENDER



**EXTEND A DVI-D SIGNAL TO FOUR REMOTE DISPLAYS
UP TO 220 FT PLUS ONE LOCAL MONITOR**

FEATURES

- Local DVI output.
- Perfect Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 @ 60Hz (1280 x 1024 @ 75Hz) on all distances to the maximum limit
- Automatic DDC Learning From Local Monitor
- DDC Tables Stored in Flash Memory for Future Use
- Unit Operates Regardless of Local Monitor Connectivity
- Distances: up to 220 Feet via STP CAT5e or STP CAT6 Cable(Best Quality/Distance)
- Compatible With all Operating Systems
- Rack Mount Options(19"): Mount up to Four DVS-400 Units in a 19"/1U Rack Mount Kit, Saving Expensive Rack Space
- MAC or PC Versions Available

APPLICATIONS

- Perfect Image Quality at all Resolutions
- Call Centers (co-locate user's computers)
- Industrial (protection against pollution)
- Information Terminals & Kiosks
- Airports (air traffic control, passenger information systems)
- Medical (using computer tomographs generates strong magnetic fields, which make it impossible to use monitors)



Designed and Manufactured in the USA

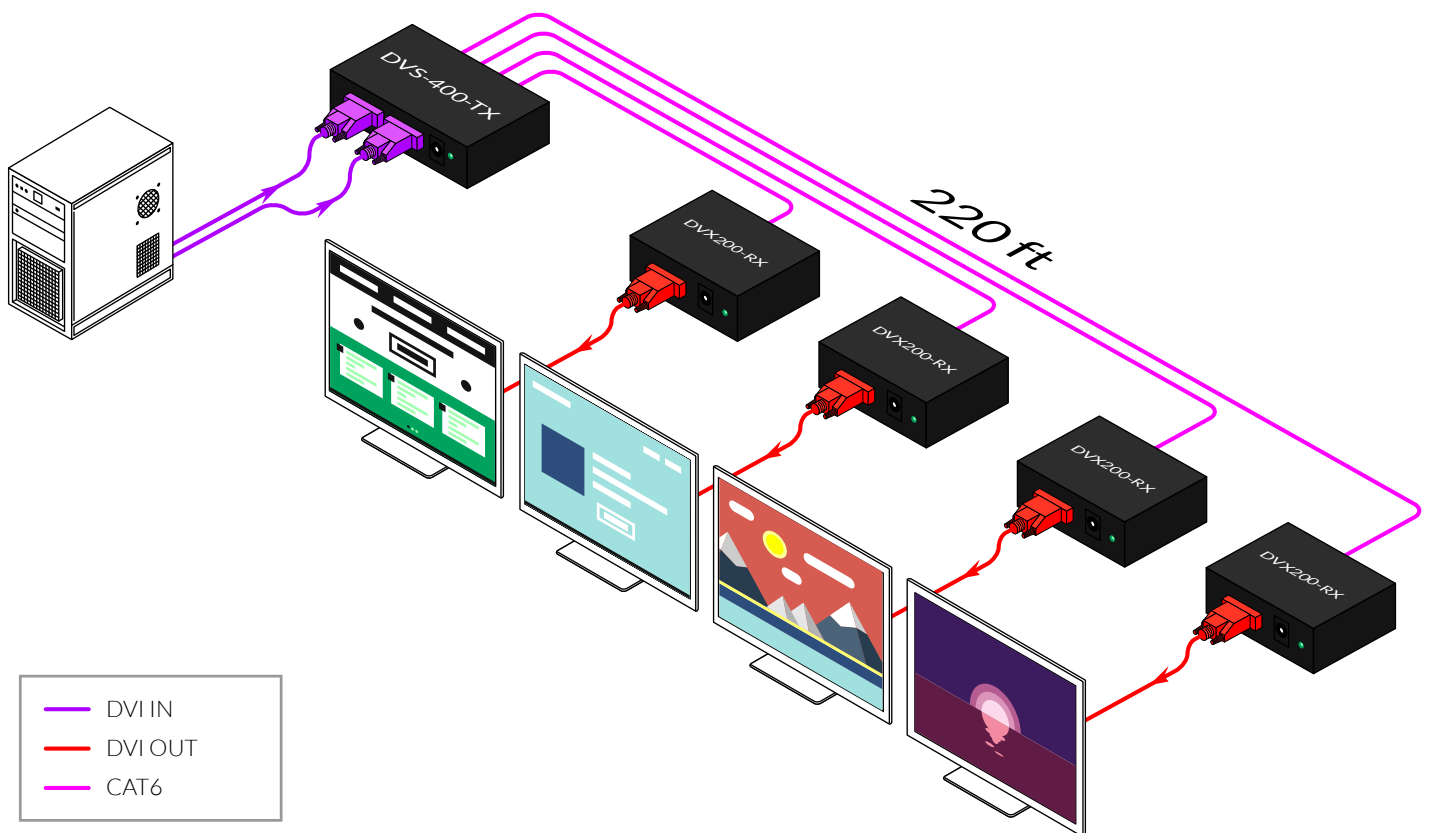
OVERVIEW

DVS-400 extends any DVI-D signal up to 220 feet to four displays and one local screen using Cat6 cabling while retaining perfect image quality at resolutions up to 1920 x 1200. SmartAVI, Inc.'s DVS-400 allows you to extend a DVI-D signal to up to four remote displays via one small unit that also loops a signal back to your computer so local monitoring is possible and simple.

A great example would be a retail shop running its digital signage from a computer in its back office; using the DVS-400, a media file or group of files could be broadcast to up to four screens situated around the store while also being viewed locally on that computer's monitor.

Quite simply, the outgoing DVI-D signal from your computer is plugged into the DVS-400. This box has one input and four outputs, so that your signal can be sent up to 220 feet over inexpensive CAT6 cables to display screens anywhere in your retail shop, lounge, etc. In addition to the four outgoing signal ports, the unit also has a loop-back port that goes back to your computer, so that you may monitor exactly what is being broadcast to the remote screens. This is all done from a single unit with one power supply.

On power-up, the DVS-400 reads and stores the EDID of the DVI monitor connected to the local loop-back port. From that point on, even if the local monitor is not attached to the unit, its DDC is retained in the flash memory of the DVS-400 unit and it will operate as if the monitor were connected, offering unhindered use and simple flexibility.



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 DVS-400 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 DVS-400 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 DVS-400 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



DVS-400 Front



DVS-400 Back

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI (Single Link)
Input Interface	(1) DVI, (1) DVI (local monitor)
Resolution	Up to 1920 x 1200 @ 60 Hz

OTHER	
Power	PS5VDC2A
Dimensions	3.75" W x 5" L x .875" H
Operating Temperature	+32 to +104°F (0 to +40°C)
Storage Temperature	-4 to 140°F (-20 to +60°C)
Humidity	Up to 95% (non-condensing)

PART NO.	DESCRIPTION
DVS-400-S	4-Port DVI-D CAT6 STP Extender Transmitter. Includes: [DVS-400-S, (CCDVIMM06), & (PS5VDC2A)]
DVX-200-RX-S	DVI-D/PC CAT6 STP Receiver. Includes: [DVX-200-RX-S and PS5VD2A-WLLMNT]

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