16-PORT DUAL DVI-D AND USB 1.1 EXTENDER FAMILY

RK-DVX2U

Extends DVI-D & USB up to 275 feet over STP Cable

Consolidates Multiple DVX2U DVI-D/USB Extenders into
One Manageable Rack-Mountable Solution

MADE IN THE USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

OVERVIEW

 The RK-DVX2U is the perfect solution for extending dual DVI-D displays and USB 1.1 devices to a remote location up to 275 feet away. It is the ideal way to consolidate up to 16 workstation computers into one location. The RK-DVX2U features dual DVI-D extension up to 275 feet over STP. It is fully compatible with MAC, PC and LINUX DVI standards. The RK-DVX2U also features transparent USB 1.1 signal extension, with full support for all USB 1.1 devices and an integrated 4-port hub in the receiver. Flash drives, printers, cameras, scanners, etc. may all be used with the RK-DVX2U.

FEATURES

- Supports up to 2 DVI-D single-link sources
- Supports Mac, PC, and Linux DVI
- Supports high resolution 1920x1200 60Hz WUXGA
- Extends up to 275 feet with three CAT6 STP cables
- Uses universal DVI single link connectors
- Zero pixel loss with TMDS signal correction
- DDC from internal table for Mac/PC
- Supports all USB 1.1 devices transparently (flash drives, printers, etc.)
- Supports USB 1.1 keyboard and mouse
- Compatible with all operating systems
- Compatible with all major KVM switches
- Rack-mountable solution
- Data recovery for digital video
- Supports 1.5 and 12Mbps data rates
- Plug-and-play

RK-DVX2U Rear

DVX2U-RX

The RK-DVX2U is designed to work in conjunction with the DVX2U-RX receiver unit. Up to 16 receivers may be used with the RK-DVX2U, depending on the application.
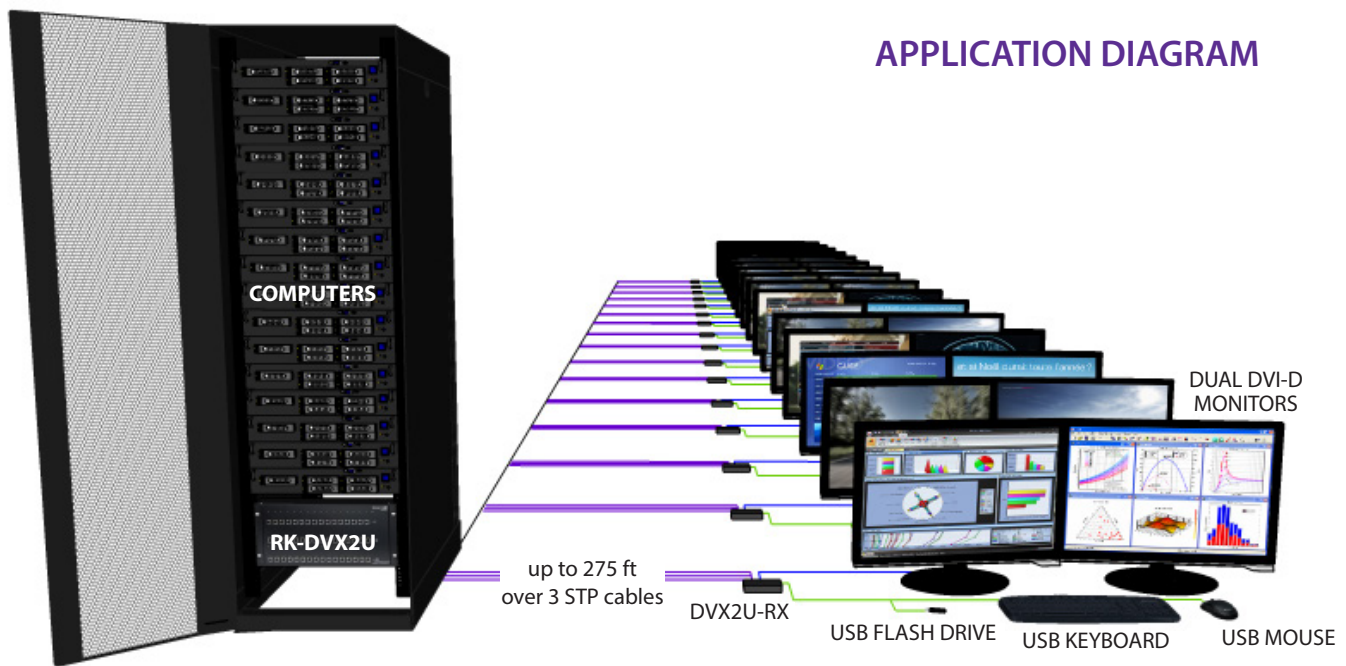
REAL-WORLD APPLICATIONS

MEDICAL FIELD
In the medical field where sensitive electronic devices are used, isolating workstation computers can be a matter of safety. The RK-DVX2U allows the workstation computers to be housed in a central location, away from sensitive devices.

INDUSTRIAL WORK AREAS
In industrial work areas that may be too harsh for a workstation computer, the RK-DVX2U can consolidate the computers into a safe location.

DIGITAL SIGNAGE
When it comes to Digital Signage, the RK-DVX2U is an excellent deployment option. With the RK-DXV2U, up to 16 digital signage devices can be centralized and secured from public access.

APPLICATION DIAGRAM

COMPUTERS

RK-DVX2U

DUAL DVI-D MONITORS

up to 275 ft over 3 STP cables

DVX2U-RX

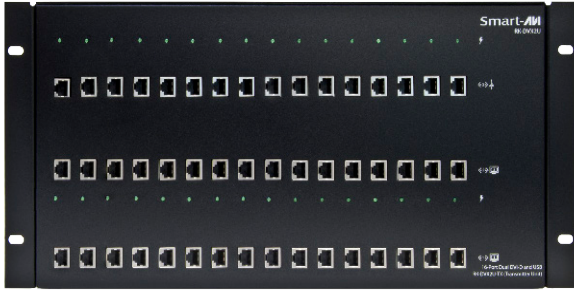USB FLASH DRIVE   USB KEYBOARD   USB MOUSE

INFORMATION KIOSKS/DISPLAYS
As with most information booths and kiosks, there is a risk of damage or theft. The RK-DVX2U is the best way to secure computer hardware, by consolidating it to a secure location away from public access.
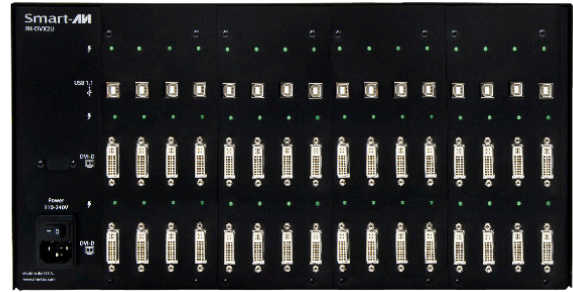
FILM/MUSIC RECORDING STUDIOS
When recording with sensitive cameras and microphones, computers are often too noisy to be used in the immediate vicinity. The RK-DVX2U isolates the computers into another room, maintaining the silence required in recording and filming.

SPECIFICATIONS

RK-DVX2U Front

RK-DVX2U Rear

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	16 x (2) DVI-D 29-pin female
Output Interface (RX)	(2) 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.

USB	
Signal Type	USB 1.1
Input Interface (TX)	16 x (1) USB Type B (Female)
Output Interface (RX)	(4) USB Type A (Female)

OTHER	
Power	Internal 110-240 VAC
Dimensions	17 in W x 8.5 in H x 3.25 in D
Weight	10 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

Part No.	Description
RK-DVX2U-TX4S	Powered Rack/Chassis with DVI/USB Transmitter, 4 Card Package. Includes: [RK-DVX2U-TX4 and CCPWR06]
RK-DVX2U-TX8S	Powered Rack/Chassis with DVI/USB CAT5 Transmitter, 8 Card Package. Includes: [RK-DVX2U-TX8 and CCPWR06]
RK-DVX2U-TX16S	Powered Rack/Chassis with DVI/USB CAT5 Transmitter, 16 Card Package. Includes: [RK-DVX2U-TX16 and CCPWR06]
DVX2U-RX	2 DVI-D and USB over CAT6 STP Extender Receiver. [DVX2U-RX and PS5VDC4A]

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Users of SmartAVI include:

Designed and Manufactured in the USA

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