

RK-DVX200

16-PORT DVI-D
EXTENDER FAMILY



16-Port DVI-D Extender

Extends DVI-D up to 275 feet over STP Cable

The RK-DVX200 is a 16-port video extender system (transmitter and receiver) designed to broadcast high-definition DVI-D signals up to 275 feet using inexpensive STP cabling.



Made in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

www.smartavi.com

FEATURES

The RK-DVX200 is the perfect solution for extending DVI-D signals to a remote location up to 275 feet away. It is the ideal way to consolidate up to 16 workstation computers into one location. It is fully compatible with MAC, PC and LINUX DVI standards. One box, one power supply, and up to 16 displays extended easily from a rack without the mess or expense of multiple extenders. Rather than buy multiple extenders for your rack components, and having to find power strips or numerous power outlets for the adapters, our Rack Series of extenders allows for up to 16 inputs and 16 outputs (30 feet each way) and one power supply.

- Supports up to 16 DVI-D single-link sources
- Supports High Resolution 1920x1200 60Hz WUXGA
- Supports Mac, PC, and Linux DVI
- Distance: 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
- 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-DVX200 Transmitter Rear

The RK-DVX200 transmitter is designed to work in conjunction with the RK-DVX200 receiver, but may also be used with the DVX-200 receiver and transmitter units. Up to 16 DVX200 receivers/transmitters may be used with the RK-DVX200, depending on the application.



DVX200 Transmitter

APPLICATIONS

MEDICAL FIELD

In the medical field where sensitive electronic devices are used, isolating workstation computers can be a matter of safety. The RK-DVX200 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-DVX200 can consolidate the computers into a safe location.

DIGITAL SIGNAGE

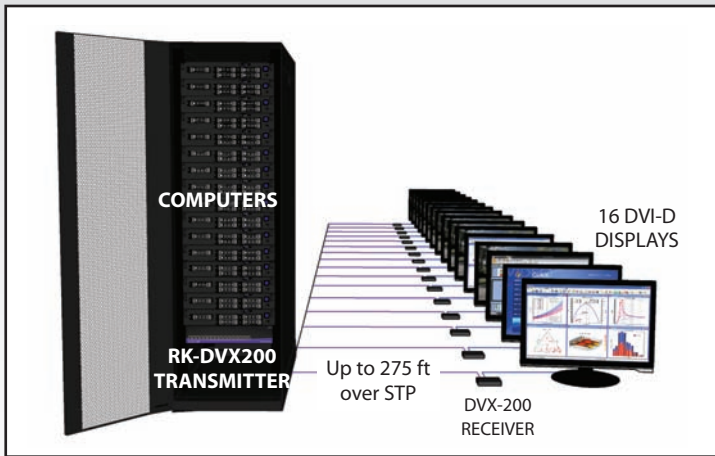
When it comes to Digital Signage, the RK-DVX200 is an excellent deployment option. With the RK-DVX200, up to 16 digital signage devices can be centralized and secured from public access.

INFORMATION KIOSKS/DISPLAYS

As with most information booths and kiosks, there is a risk of damage or theft. The RK-DVX200 is the best way to secure computer hardware, by consolidating it to a secure location away from public access.



CONFIGURATIONS

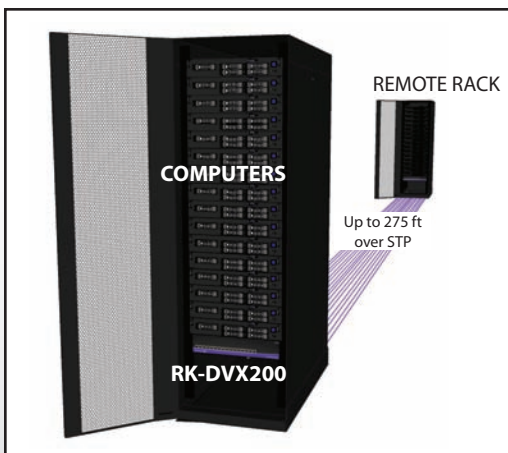
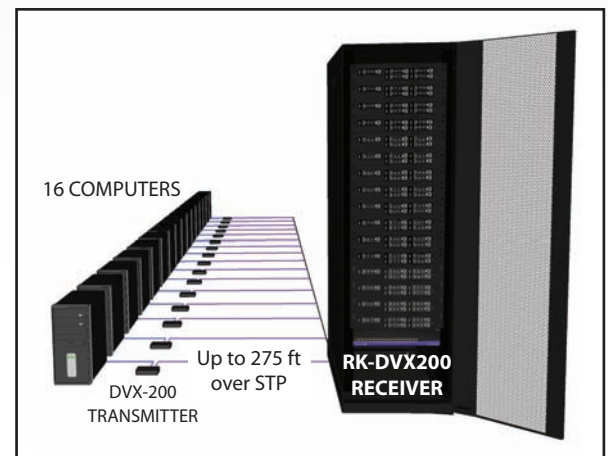


RACK TO ENDPOINT

If your company uses a rack of source devices, whether it be computer servers, DVD players or other hardware, Rack-DVX200 allows you to run all of those components into one extension box that can accommodate between four and 16 inputs/outputs on one power supply. In this example, source signals are being routed from a company rack through RK-DVX200 to multiple displays.

ENDPOINT TO RACK

One of the biggest concerns of management in any company is employee productivity. At any given time, your company may be losing money due to employee abuse of Internet access. A perfect example of an end point to rack configuration would be multiple work stations connected to one server for monitoring of computer use by a single user. Of course, work station monitoring also allows for supervisors to see what employees are working on at any given time to evaluate work flow, assist in group projects and help troubleshoot workforce questions from an office or control room.



RACK TO RACK

Companies with multiple source components in one rack, may need to link them to additional servers, receivers, etc. in additional racks within the same building – or perhaps a different location on a campus. Rack-DVX200 is configurable to allow such linking of multiple rack units without the high cost of numerous extenders for every couple of devices. The example pictured here shows how separate racks of components can be linked via one clean, compact extender unit, before being broadcast to any end point display.

SPECIFICATIONS

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

| OTHER | |
|-----------------|--------------------------------|
| Power | Internal 110-240 VAC |
| Dimensions | 17 in W x 3.5 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% |

| ORDERING INFORMATION | |
|----------------------|--|
| Part No. | Description |
| RK-DVX-TX4S | DVI RACK 4 ports Transmitter over STP CAT6 |
| RK-DVX-TX8S | DVI RACK 8 ports Transmitter over STP CAT6 |
| RK-DVX-TX16S | DVI RACK 16 ports Transmitter over STP CAT6 |
| RK-DVX-RX4S | DVI RACK 4 ports Receiver over STP CAT6 |
| RK-DVX-RX8S | DVI RACK 8 ports Receiver over STP CAT6 |
| RK-DVX-RX16S | DVI RACK 16 ports Receiver over STP CAT6 |
| DVX-RX200 | DVX Receiver. DVI Receiver over CAT6 STP |
| DVX-TX200 | DVX Transmitter. DVI Transmitter over CAT6 STP |



RK-DVX200-TX Front



RK-DVX200-TX Rear

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:



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