

What's in the Box?

| PART NO. | QTY | DESCRIPTION |
|---------------|-----|--|
| DVX-RX200-Pro | 1 | DVX-200-Pro Receiver. DVI Receiver over CAT6 STP |
| DVX-TX200-Pro | 1 | DVX-200-Pro Transmitter. DVI Transmitter over CAT6 STP |
| DVI-D Cable | 1 | 6ft MM DVI-D |
| Power Supply | 2 | PS5VDC2A |

Technical Specifications*

| VIDEO | |
|-----------------------|---|
| Format | DVI-D Single Link |
| 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 |
| 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 | External 100-240 VAC/5VDC2A @10W |
| Dimensions | 2.875 in W x 1 in H x 3.375 in D (TX) 3.6875 in W x 1 in H x 3 in D (RX) |
| Weight | 0.5 lb |
| Operating Temp. | 0-55 °C (32-131°F) |
| Storage Temp. | -20-85 °C (-4-185 °F) |
| Humidity | Up to 95% |

Supported Resolutions

| RESOLUTION | REFRESH RATE |
|-------------|--------------|
| 640 x 480 | 85 Hz |
| 800 x 600 | 85 Hz |
| 1024 x 768 | 85 Hz |
| 1152 x 870 | 75 Hz |
| 1280 x 768 | 75 Hz |
| 1280 x 960 | 60 Hz |
| 1280 x 1024 | 60 Hz |
| 1600 x 1200 | 60 Hz |
| 1920 x 1200 | 60 Hz |

also supports learned resolutions up to 1920x2100

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Rack Mountable Option



Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.



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Installation Manual

DVX-200-Pro

DVI-D Extender with Super Reclocking up to 250 feet over STP Cable



DVI-D video extender system (transmitter and receiver) designed to broadcast high-definition DVI-D signals up to 250 feet using inexpensive twisted pair cabling

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Introduction

The DVX-200-Pro is the perfect solution for extending a DVI-D display to a remote location up to 250 feet away. The DVX-200-Pro features pixel accurate signal reclocking which regenerates the input signal into a perfectly sharp and clear output signal. It is fully plug and play with dynamic DDC learning.

Features

- Supports DVI-D single-link sources
- Supports High Resolution 1920x1200 60Hz WUXGA
- Dedicated switch to learn any DDC
- Full reclocking for the receiver regenerates digital signal producing top signal quality
- Extends up to 250ft (275ft with high quality CAT6 STP)
- Supports Mac, PC, and Linux DVI
- Uses universal DVI Single Link connectors
- Zero pixel loss with TMDS signal correction
- Compatible with all major KVM switches
- Data recovery for digital video
- Plug-and-play

Applications

- Medical Applications
- Industrial Work Areas
- Home Theater Integration
- Digital Signage Deployment
- Information Kiosks/Displays
- Film/Recording Studios



DVX-200-Pro-TX Front



DVX-200-Pro-RX Front

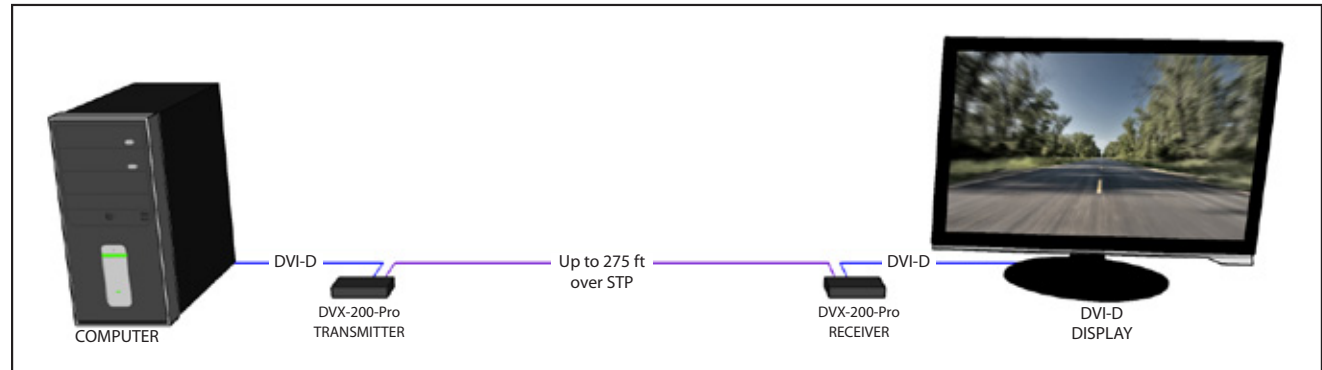


DVX-200-Pro-TX Rear



DVX-200-Pro-RX Rear

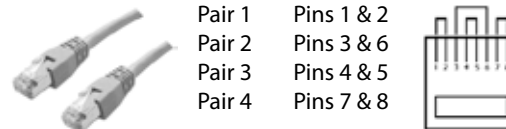
Product - Installation Diagram



Connecting the DVX-200-Pro

1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port on the rear of the DVX-200-Pro-TX.
3. Connect the DVX-200-Pro-TX to the the DVX-200-Pro-RX with one STP (Shielded Twisted Pair) cable.
4. Connect a DVI-D compatible display to the DVI-D port on the rear of the DVX-200-Pro-RX.
5. Connect the power to the DVX-200-Pro-RX and the DVX-200-Pro-TX.
6. Power on the display and then the computer.

The following is the wiring standard for terminating UTP/STP cable using RJ-45 connector:



Connectors: RJ-45
 Capacitance: 14 pf/ft (46.2 pf/m)
 Conductor Gauge: 24 AWG
 Impedance: 100 +/- 15 ohms

Learning the DDC of a Display

1. Power off all devices.
2. Power on the DVX-200-Pro transmitter and the display to be learned.
3. Connect a DVI-D display to the DVI-D port of the DVX-200-Pro transmitter labeled **DVI-D IN**.
4. Press the **LEARN** button
5. The light will blink quickly if the learning was successful. If the learning is unsuccessful the light will not illuminate.

ABOUT DDC

DDC provides plug-and-play capability to your displays. When you plug a display into your computer, the DDC table in the display tells the computer the optimal resolution to use. In order to preserve this plug-and-play capability, we have integrated DDC learning into all of our DVI Solutions.

