

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.

Smart-AVI
SMART AUDIO VIDEO INNOVATION

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SMART AUDIO VIDEO INNOVATION

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

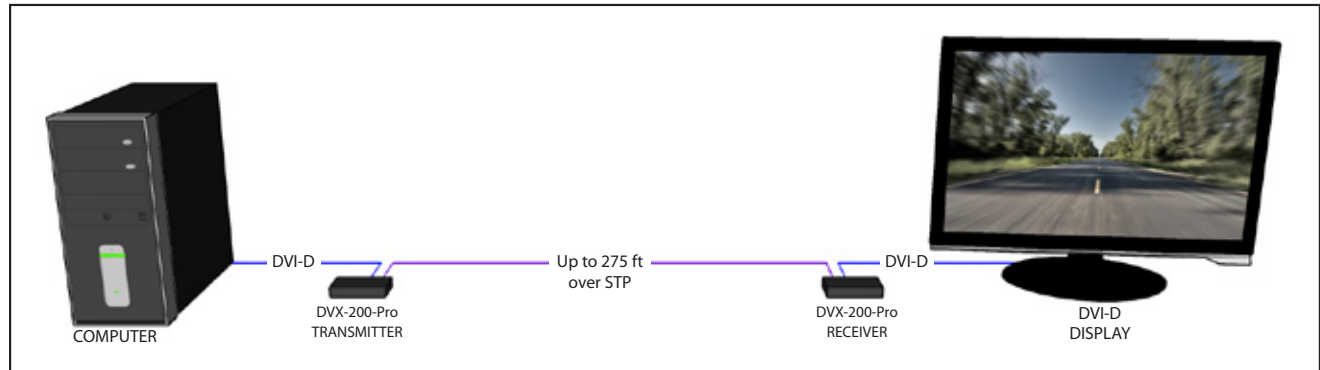


DVX-200-Pro-TX Rear



DVX-200-Pro-RX Rear

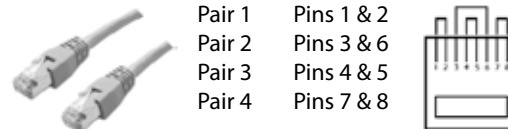
Product - Installation Diagram



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.

