

# What's in the Box?

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

# 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/Output Cable Length	Up to 20 ft.
Extension over Cat6	Up to 225 ft.

OTHER	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	2.75 in W x 0.8 in H x 3.4 in D
Weight	0.2 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

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## NOTICE

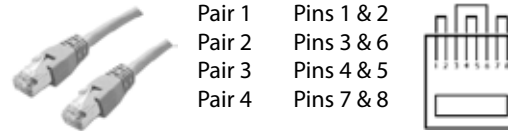
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The following is the wiring standard for terminating UTP/STP cable using RJ-45 connector:



Connectors: RJ-45  
 Capacitance: 14 pf/ft (46.2 pf/m)  
 Conductor Gauge: 23 AWG  
 Impedance: 100 +/- 15 ohms



# Installation Manual

## DVX-200

DVI-D Extender

up to 225 feet over a Cat6 Cable



The DVX-200 is a DVI-D video extender system (transmitter and receiver) designed to broadcast high-definition DVI-D signals up to 225 feet using inexpensive cabling.



SmartAVI, Inc. / Twitter: @smartavi  
 11651 Vanowen St. North Hollywood, CA 91605  
 Tel: (818) 503-6200 Fax: (818) 574-5581  
<http://www.SmartAVI.com>

[www.smartavi.com](http://www.smartavi.com)

## Introduction

The DVX-200 is the perfect solution for extending DVI-D signals to a remote location up to 225 feet away over Cat6 23 AWG STP cabling. It is the ideal way to isolate a workstation computer into one location and a console in another. It is fully compatible with MAC, PC and LINUX DVI-D single link standards.

## Features

- Supports DVI-D single-link sources
- Supports High Resolution 1920x1200 60Hz WUXGA
- Supports Mac, PC, and Linux DVI
- Distance: 225 feet with Cat6 STP cabling
- 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
- Data recovery for digital video
- Supports 1.5 and 12Mbps data rates
- Plug-and-play

## Applications

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

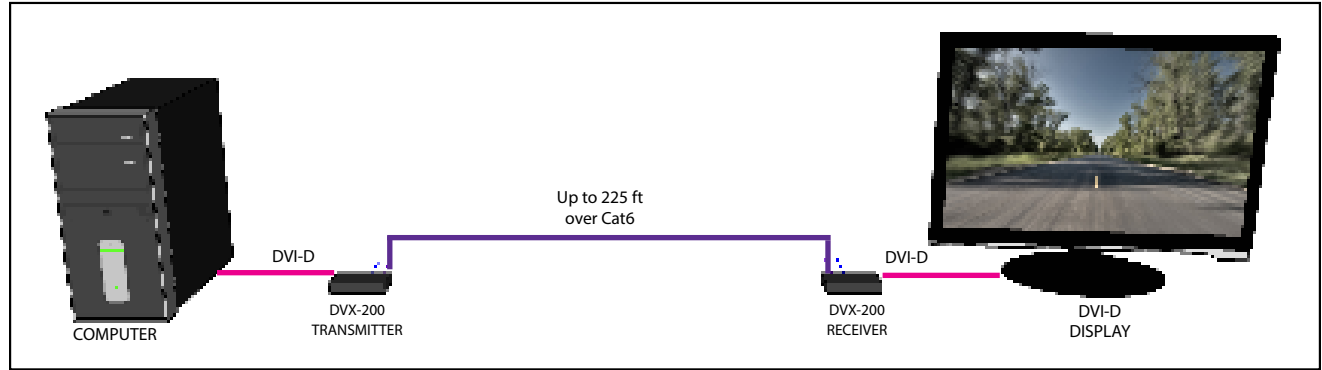
DVX-TX200 Front



DVX-TX200 Rear



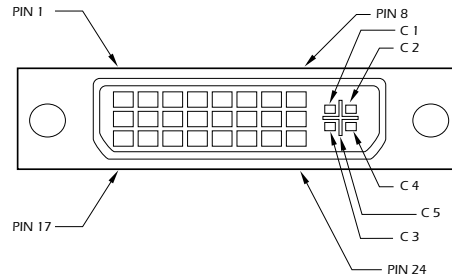
## Product - Installation Diagram



## Connecting the DVX-200

1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port on the rear of the DVX-TX200.
3. Connect the DVX-200-TX to the the DVX-RX200 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-RX200.
5. Connect the power to the DVX-RX200 and the DVX-TX200.
6. Power on the display and then the computer.

## DVI-D Configuration

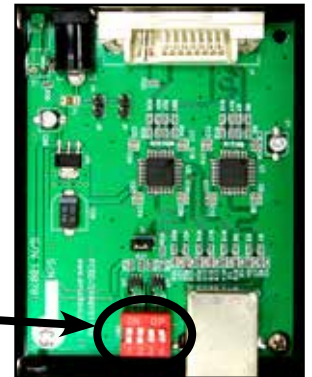


Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock -
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	5□□□□□	C4	Analog Horz Sync
15	GND	C5	Analog Ground

## Setting the 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. The DVX-200 is capable of supporting two primary types of displays: PC and Mac. The default setting is PC.

To change this setting, first remove the top cover from the DVX-200 TRANSMITTER by removing the four side screws. Next, locate the DIP switches near the rear of the device next to the Data Port (RJ-45 Ethernet Port).



For PC, configure the switches as shown below:



1&2 ON, 3&4 OFF

For Mac, configure the switches as shown below:



1&2 OFF, 3&4 ON