

## What's in the Box?

PART NO.	QTY	DESCRIPTION
DVX-RX200		DVX-200 Receiver. DVI Receiver over CAT6 STP
DVX-TX200		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 Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
OTHER	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	3 in W x 1 in H x 3.75 in D
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

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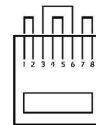
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For more information, visit <http://www.kvmswitchtech.com>.

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



Pair 1 Pins 1 & 2  
 Pair 2 Pins 3 & 6  
 Pair 3 Pins 4 & 5  
 Pair 4 Pins 7 & 8



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



## Installation Manual

# DVX-200

DVI-D Extender  
 up to 275 feet over STP Cable



The DVX-200 is a DVI-D video extender system (transmitter and receiver) designed to broadcast high-definition DVI-D signals up to 275 feet using inexpensive STP cabling.

KVMSwitchTech  
 2000 Auburn Drive, Beachwood, OH 44122  
 Tel: 1-866-865-7737 Intl: 1-216-378-7866  
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## Introduction

The DVX-200 is the perfect solution for extending DVI-D signals to a remote location up to 275 feet away over CAT6 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: 275 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

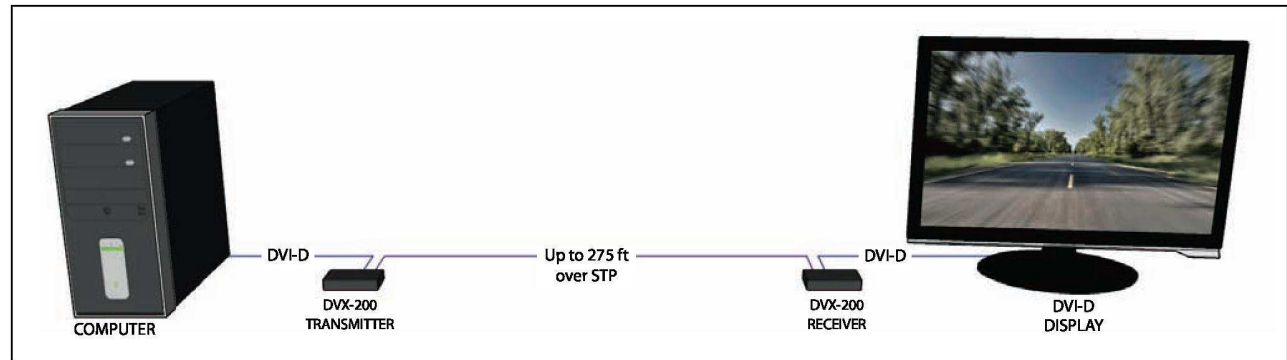
DVX-200-TX Front



DVX-200-TX Rear



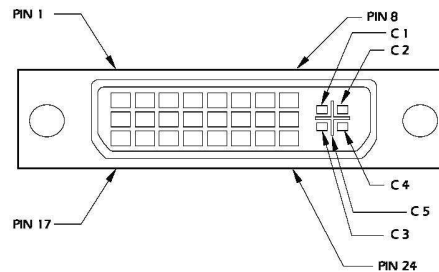
## Product - Installation Diagram



## 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-200-TX.
3. Connect the DVX-200-TX to the DVX-200-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-RX.
5. Connect the power to the DVX-200-RX and the DVX-200-TX.
6. Power on the display and then the computer.

## DVI-D Configuration

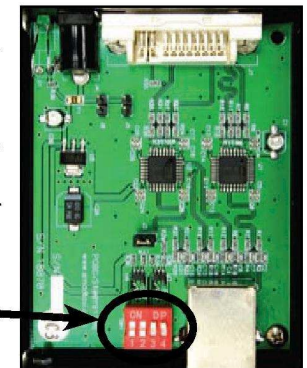


Pin #	Signal	Pin #	Signal
1	TMDS Data 2-	16	Hot Plug Detect
2	TMDS Data 2+	17	TMDS Data 0-
3	TMDS Data 2/A Shield	18	TMDS Data 0+
4	TMDS Data 4-	19	TMDS Data 0/S Shield
5	TMDS Data 4+	20	TMDS Data 5-
6	DDC Clock	21	TMDS Data 5+
7	DDC Data	22	TMDS Clock Shield
8	Analog Vert. Sync	23	TMDS Clock+
9	TMDS Data 1-	24	TMDS Clock-
10	TMDS Data 1+		
11	TMDS Data 1/3 Shield	C1	Analog Red
12	TMDS Data 3-	C2	Analog Green
13	TMDS Data 3+	C3	Analog Blue
14	5VDC 1.6A	C4	Analog Horiz Sync
15	GND	C5	Analog Ground

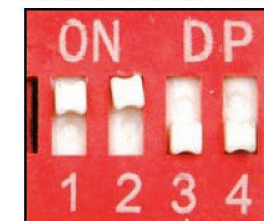
## Setting the DDC

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 (RJ45 Ethernet Port).

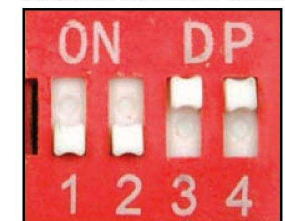


For PC, configure the switches as shown below:



1&2 ON, 3&4 OFF

For Mac, configure the switches as shown below:



1&2 OFF, 3&4 ON