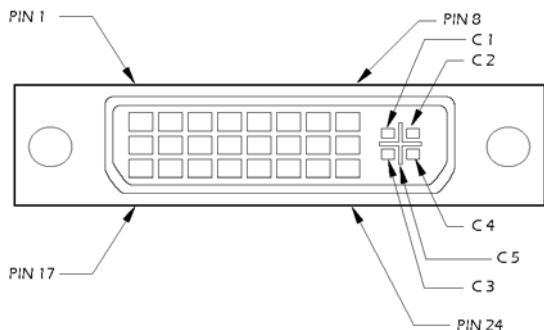


## Technical Specifications

### Input/Output Signal



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		C4	Analog Horz Sync
15	GND	C5	Analog Ground

## Resolutions

Supported by the internal EDID configuration

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

© Copyright 2007 Smart-AVI, All Rights Reserved

## Notice

The information contained in this document is subject to change without notice. Smart-AVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for any particular purpose.

Smart-AVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material.

No part of this document may be photocopied, reproduced or translated into another language with out prior written consent from Smart-AVI.

# Smart-AVI

Smart Audio Video Integration

## User Manual

### DVX500



The DVX500 extends any DVI-D signal, with keyboard and mouse to 500ft with UTP Cat5e cable

## Smart-AVI

2840 N. Naomi Ave.  
Burbank, California 91504  
Phone: (818) 565-0011  
Facsimile: (818) 565-0020

www.smartavi.com

## Introduction

The DV500 extends any DVI-D signal with PS/2 mouse and keyboard up to 500ft with single UTP Cat5 cable.

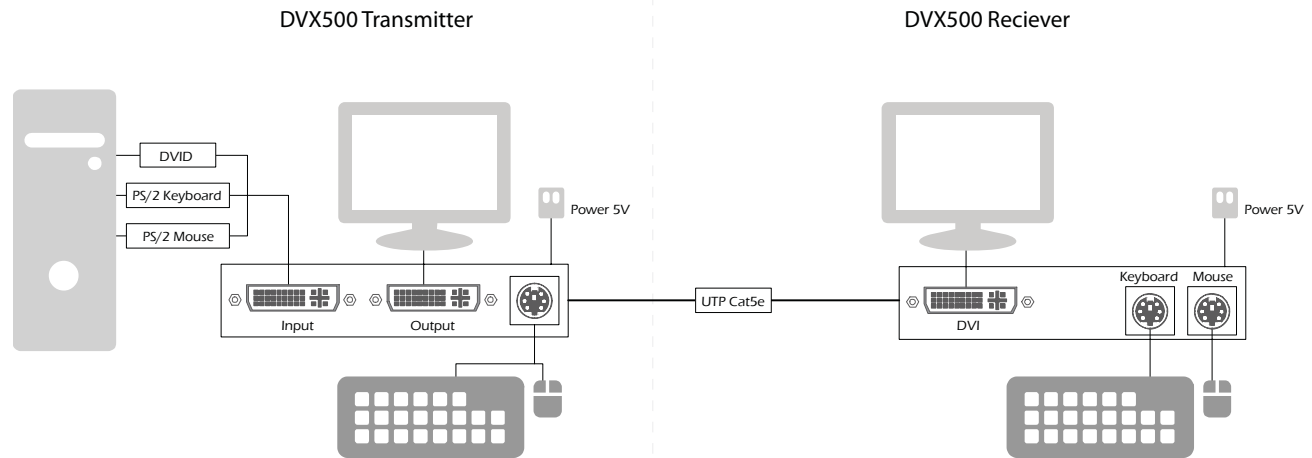
## Features

- Top Image Quality at all Resolutions.
- Video Resolutions up to 1600 x 1200 @ 60Hz (1280 x 1024 @ 75Hz). on all distances up to the maximum distance.
- User selectable: DCC-Information used from the remotely located monitor, from the locally located Monitor or from an internal DDC Table.
- Basic device to remotely locate Touch Screen and Sound.
- PS/2 Mouse.
- Maximum Screen Resolution on all distances: 500 ft w/ STP Cat5e.
- Compatible with all operating systems.

## Applications

- Perfect Image Quality at all Resolutions.
- Call Centers (co-locate user's computers).
- Industrial (protection against pollution).
- Information Terminals & Kiosks.
- Airports (air traffic control, passenger information systems).
- Medical - using computer tomographs generates strong magnetic fields, which make it impossible to use monitors.

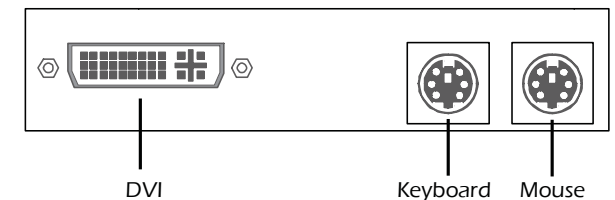
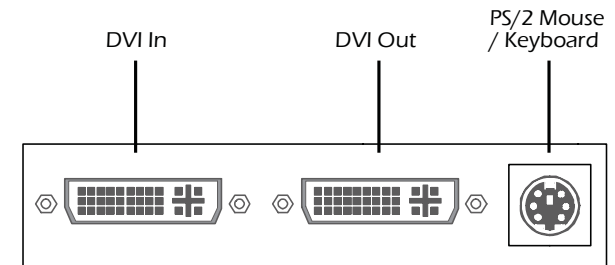
## Installation Diagram



## Installation

To install your DVX500

1. Turn off computer and monitor.
2. Connect your keyboard, monitor(s) and mouse to the remote unit (depending on device type). Please insure that the mouse and keyboard are connected properly.
3. Using the supplied CPU KVM cable, connect the keyboard, monitor(s) and mouse connectors on the computer. Please insure that the mouse and keyboard are connected properly.
4. Connect a shielded Cat 5e cable between the DVX500-TX and the DVX500-RX
7. Connect the power supplies to the transmitter and receiver.
8. Turn on the monitor and computer.



## Preparing System CAT5e Cable

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  
4 - Pair, (stranded) Foil Shielded

