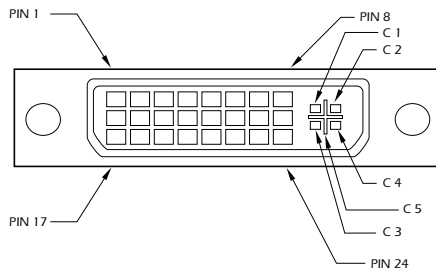


# Specifications

<b>DVI</b>	
Video Interface	DVI-D
Resolution	1920 x 1200@60Hz, Resolution up to 1280 x 1024 min. 75Hz
Input Interface	DVI-D (Single-Link)
Upgradeable	Onboard Flash
<b>USB</b>	
CAT6 (STP)	Maximum Range 220ft
USB Data	Data Rate of 12Mbps Compatible with USB version 1.1
USB Connectors	USB-TX-DVX-2P, Type A USB-TX-DVX-2P, Type B
<b>RS232 and Audio</b>	
RS232	(TX-DB9Female) (RX-DB9Male)
CAT6	STP CAT6
Protocol	Full duplex, transparent to all baud rate
Audio	Signal Type Stereo Audio Bandwidth 15MHz.0db Impedance 100 Ohm Connector 3.5 mini jack,
Power	110/120V - 5VDC - 5A
Dimension (inches)	10.81" (L) x 3.38" (W) x 1.06" (H)
Weight (lbs)	2lb

# User Manual

## DVX-2P



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	5VDC 1.6A	C4	Analog Horiz Sync
15	GND	C5	Analog Ground

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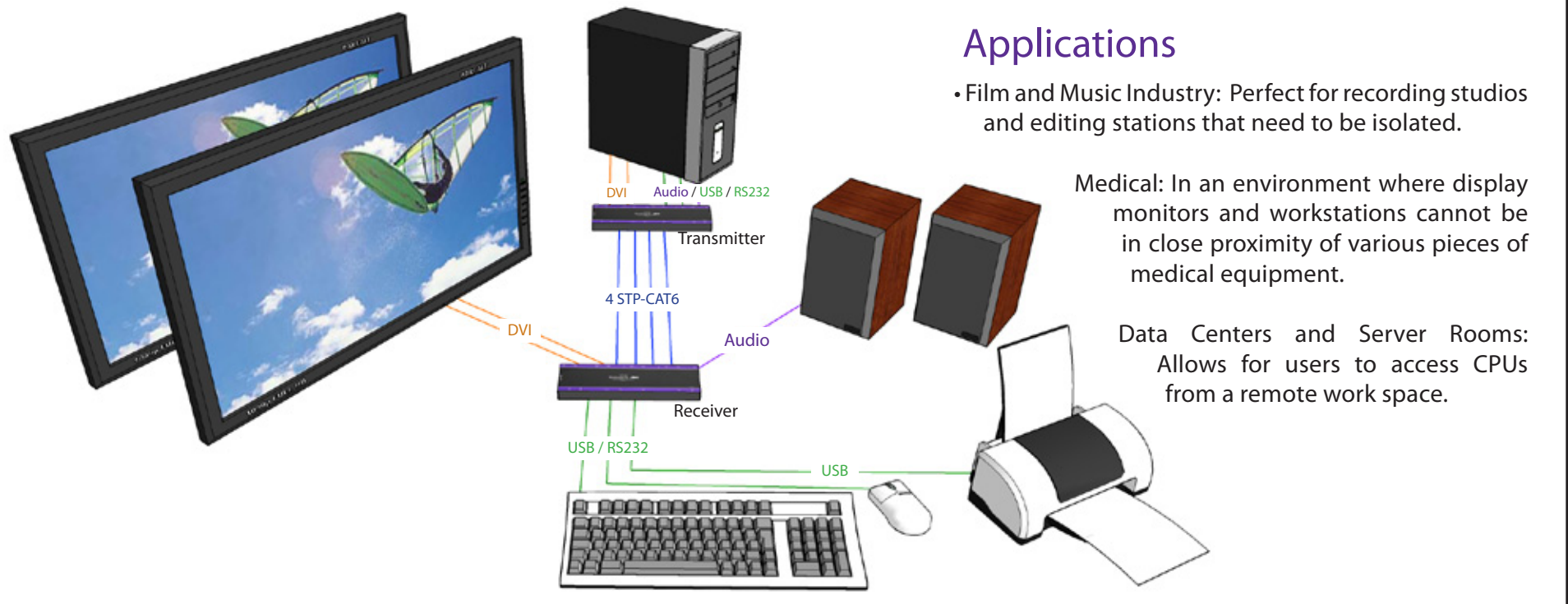
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## Applications

• Film and Music Industry: Perfect for recording studios and editing stations that need to be isolated.

Medical: In an environment where display monitors and workstations cannot be in close proximity of various pieces of medical equipment.

Data Centers and Server Rooms: Allows for users to access CPUs from a remote work space.

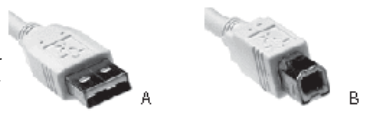
### Connecting the DVI

1. Turn off computer and monitor.
2. Connect DVI male to male cable between the computer and the transmitter.
3. Connect monitor or projector to the DVI port on the receiver.
4. Connect the transmitter and receiver with 4 CAT6 STP cables.

### Connecting the USB In/Out

1. Connect the transmitter to the host using the A-B USB cable (included with the unit).
2. The A side of the connector would go to the computer host and the B side would be connected to the transmitter.
3. Connect the receiver to the peripheral.
4. Connect the CAT6 STP Cable.

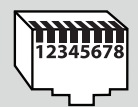
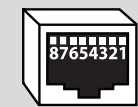
**Note:** The receiver provides remote power up to 500 mA to the connected peripherals. This power comes from the host computer and is passed by the transmitter to the receiver. In some applications, and external power supply is required. SmartAVI can provide a power supply for such cases with the receiver and transmitter units.



### Connecting the Audio and RS232

1. Connect an RS232 cable and/or audio cable to the source unit.
2. Connect the Audio using 3.5mm cable at the transmitter
3. Connect the Speaker/s. at the Receiver.
4. Connect the last CAT6 STP Cable.

#### CAT5/5e/6 CABLE SPECIFICATIONS

CONNECTOR		PAIR	PINS
RJ-45 MALE 	RJ-45 FEMALE 	1	1 & 2
		2	3 & 6
		3	4 & 5
		4	7 & 8
CAPACITANCE	14 pf/ft (46.2 pf/m)		
CONDUCTOR GAUGE	24 AWG		
IMPEDANCE	100 +/- 15 ohms		

### Connecting the TX/RX

1. Connect DVI, USB (In/Out) and Audio/RS232 as outlined.
2. Connect Power Supply (5VDC - 5A).
3. Turn on TX and RX.