

Technical Specifications	
TRANSMITTER AND RECEIVER	
Video	
Bandwidth 400MHz	
Analog signal Level 1 volt	
Impedance 75 ohms	
Connector	
3 RCA	
Format	
YPbPr analog component video	
Audio	
Bandwidth 20 KHz	
Signal level OdB	
Impedance 10K ohms	
Connector RCA Left and Right	
System and Cable	
Type Cat5 UTP EIA 568A	
Connector RJ45	
Power	
Requirements 5V DC @500mA	
Connector 5x2.1 DC Jack	
RS232	
DB9 Male/Female	
baudrate up to 115,000bps	
IR	
IR Emitter Output	
IR Frequency Range 30KHz to 80KHz	
Emitter Distance Up to 10'	
Connector 3.5mm stereo jack for emitter	

User Manual

HDX-PRO



Use a single CAT5 to broadcast high resolution HDTV Video, Stereo Audio, RS232 and IR up to 1000ft away.

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 without prior written consent from Smart-AVI.

For the complete manual, visit www.smartavi.com.

Smart-AVI

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

Technical Specifications

TRANSMITTER AND RECEIVER

Video	
Bandwidth 400MHz	
Analog signal Level 1 volt	
Impedance 75 ohms	
Connector	
3 RCA	
Format	
YPbPr analog component video	
Audio	
Bandwidth 20 KHz	
Signal level OdB	
Impedance 10K ohms	
Connector RCA Left and Right	
System and Cable	
Type Cat5 UTP EIA 568A	
Connector RJ45	
Power	
Requirements 5V DC @500mA	
Connector 5x2.1 DC Jack	
RS232	
DB9 Male/Female	
baudrate up to 115,000bps	
IR	
IR Emitter Output	
IR Frequency Range 30KHz to 80KHz	
Emitter Distance Up to 10'	
Connector 3.5mm stereo jack for emitter	

Recieve on DB9 Male



Pin No.	Name	Description
2	RxD	Receive Data on DB9 Male
3	TxD	Transmit Data on DB9 Male
5	SGND	Ground

Transmit on DB9 Female



Pin No.	Name	Description
2	TxD	Transmit Data on DB9 Female
3	RxD	Recieve Data on DB9 Female
5	SGND	Ground

Introduction

The HDX-PRO range of products allows the extension of a wide range of video and audio formats, RS232, and IR via a single Category 5 Unshielded Twisted Pair (UTP) cable.

Features

- Supports HDTV Screen
- Y,Pb, Pr
- Uses easy to install, inexpensive CAT-5/5e/6/7/8. Output reaches up to 1,000 feet (300 m).
- Resolutions up to 1900x1200.
- 300 MHz Bandwidth.
- Sends high-resolution HDTV component, Stereo Audio, RS232 and IR
- Compatible with Line Level Stereo Audio Signals.
- High ground loop immunity.
- Built-in lightning, power surge and transient protection.
- Designated trimmer in the remote unit to compensate for cable length.
- Compact Metal Case Enclosure.
- Supports RS232 and IR

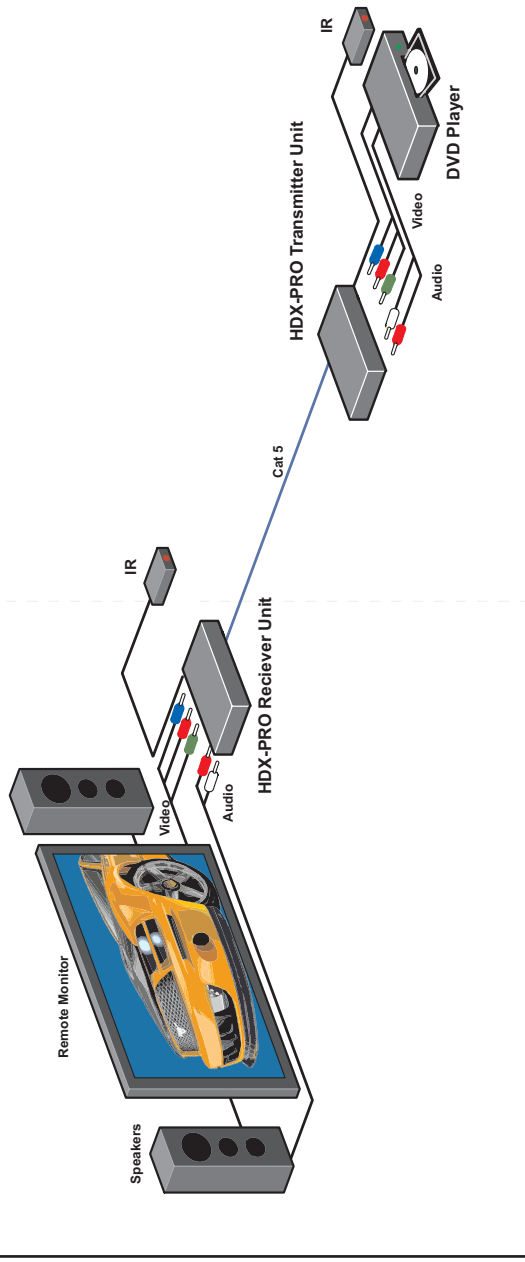
What's in the box?

HDX-PRO

Please check the contents of the package before beginning installation.

HDX-PROX Package Content		
Qty	Items	Part No.
1	HDX-PRO Transmitter Unit	HDX-PRO-TX
1	HDX-PRO Receiver Unit	HDX-PRO-RX
2	5 volt dc power supply	PS-5D1A-US
1	HDD 15 male to male VGA cable (6ft)	CC-VGAMM-06
Optional		
1	Audio 3.5 mm stereo miniplug cable	CC-ADMM06
1	IR EYE Receiver	SM-EYE
1	IR Emitter	SM-LED
1	Serial m/f DB9 6ft.	CCSERMF06

Installation Diagram



Connecting The Transmitter

1. Connect the output of component video source to the video input of the transmitter using RCA to RCA cable
2. Connect audio source to the audio input of the transmitter using audio rca cable
5. In the back of the unit connect the CAT5 cable that will connect to the receiver (XTPRO-RX).

*NOTE: You can not use RS232 and IR at the same time.

Connecting The Receiver

1. Connect CAT5 cable (coming from the transmitter) to the back of the receiver.
2. Connect display monitors to the RCA connectors on the front of the receiver.
3. Connect a sets of external speakers to the audio output connections on the front of the unit.

Adjusting and Tuning the Signal

In order to fine tune the signal, adjust the individual dials one at a time starting with GREEN, then BLUE, and lastly RED. As you turn the dials you will notice the colors slightly change as you increase or decrease the strength. All dials should be around the same



Preparing & Connecting System CAT5 Cable

Following is the wiring standard for terminating 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