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

Notice

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Smart-AVI
Smart Audio Video Integration

User Manual

HDX-PRO

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

www.smartavi.com

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.
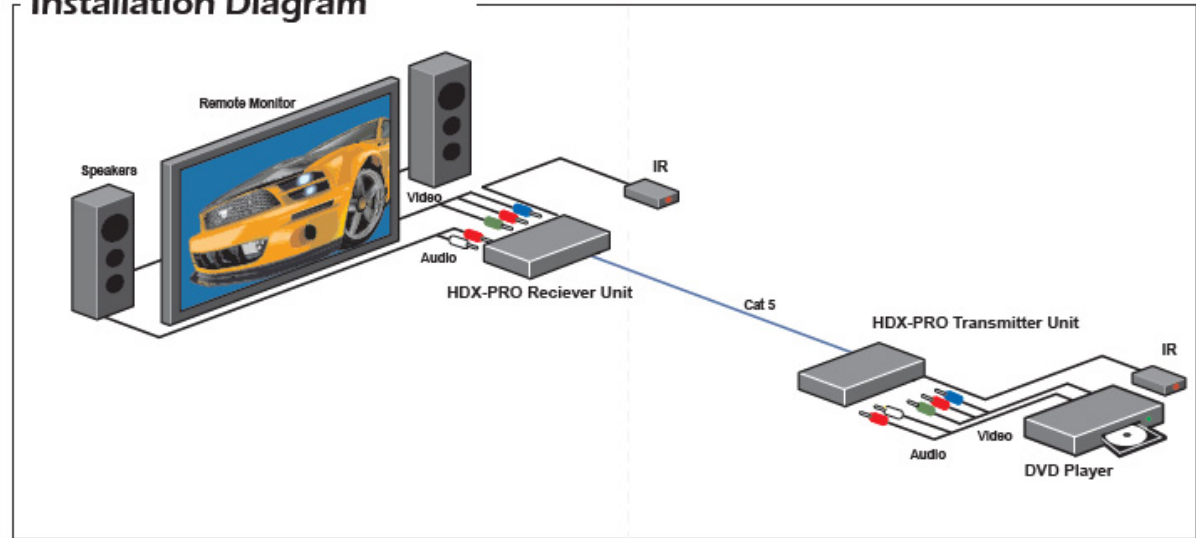- Supports RS232 and IR

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	PS5VDC2A
1	HDD 15 male to male VGA cable (6ft)	CC-VGAMM-06

Optional

Qty	Items	Part No.
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 distance.

Preparing & Connecting System CAT5 Cable

Following is the wiring standard for terminating CAT5e 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