Smart-AVI
SMART AUDIO VIDEO INNOVATION

XP-AV SPECIFICATIONS	
VGA Data	
Format	RGBHV, RGsB, YUV, Y/C, CVBS
Resolution	Up to 1900 x 1200 VGA, SVGA, XGA, SXGA)
Connector type	HD 15 socket
Audio	
Signal Type	Stereo unbalanced
Connector	3.5mm jack socket
Power	
Requirements	5VDC @.5A
Connector	2.1mm DC jack (center +ve)
Physical	
Dimensions	135 x 90 x 23mm (26 with pegs)
Weight	.8 lbs or .36 kg

NOTICE

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For more information, visit www.smartavi.com.

Rack Mountable Option

Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

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SmartAVI, Inc. / Twitter: smartavi
11651 Vanowen St. North Hollywood, CA 91605
Tel: (818) 503-6200 Fax: (818) 503-6208
http://www.SmartAVI.com

User Manual

XT-AV

Use a single CAT5 to broadcast high resolution SXGA and Stereo Audio up to 1000ft away.

www.smartavi.com

Introduction

The XT-av range of products allows the extension of a wide range of video and audio formats via a single

Category 5 Unshielded Twisted Pair (UTP) cable.

Features

- 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 UXGA, Stereo Audio and
- Compatible with VGA, XGA, Sun, MAC and SGI
- Sync Format / Polarity Preservation.
- 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.
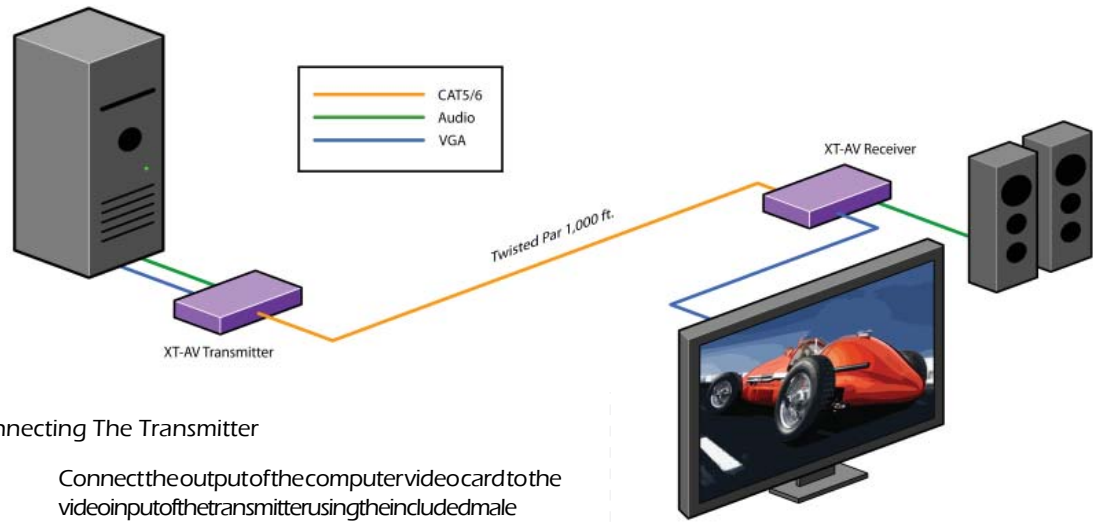- Compact Metal Case Enclosure.

What's in the box?

XT-AV
Please check the contents of the package before beginning installation.

XT-AV Package Content		
Qty	Items	Part No.
1	XT-AV Transmitter unit	XTAV-TX
1	XT-AV Receiver unit	XTAV-RX
2	5 volt dc power supply	PS-5D1A-US
1	HDD 15 male to male VGA cable (6ft)	CC-VGAMM-06

Installation Diagram

Connecting The Transmitter

1. Connect the output of the computer video card to the video input of the transmitter using the included male to male video cable.
2. Connect the output of the computer audio card to the audio input of the transmitter using 3.5mm audio male to male audio cable.
3. Connect external speakers to the transmitter's audio out (Standard 3.5mm stereo miniplug).
4. In the back of the unit connect the CAT5 cable that will connect to the receiver (XTAV-RX).

Connecting The Receiver

1. Connect CAT5 cable (coming from the transmitter) to the back of the receiver.
2. Connect display monitors to the VGA out connector on the front of the receiver.
3. Connect external speakers to the audio output connections on the front of the unit. (Standard 3.5mm stereo Miniplug)

Preparing & Connecting System CAT5 Cable

Following is the wiring standard for terminating CAT 5 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
                               4 - Pair

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.