

XTPro Xtream

Signal Extender



Smart-AVI's XTPro Xtream Breaks Through Conventional Distance Limitations of Video Signal Transmission over CAT5, Boosting Pro-A/V Component Signals to 1,699 Feet

Features

- Integration with other Smart-AVI Products
- Simple Plug and Play Setup
- Boost Professional Audio-Visual Component Signals to 1,699 Feet over CAT5
- Resolutions up to 1920 x 1200
- Signal Amplification Technology Designed to Extend A/V Signaling Without Data Loss or Degradation
- Automatic Digital Video Tuning for Optimal Image at all Resolutions
- Automatic Gain Control for Clean, Strong Signals to Maximum Length
- Remote Controlled Automatic Skew Adjustment for Perfect A/V Signal Timing and Delivery
- 300 MHz Bandwidth
- Transmits High-Resolution UXGA and Stereo Audio
- Compatible with VGA, XGA, Sun, Mac and SGI
- Sync Format/Polarity Preservation
- Compatible with Line Loop Stereo Audio Signals
- High Ground Loop Immunity
- Built-In Lightning, Power Surge and Transient Protection
- Designated Trimmer in the Unit to Compensate for Cable Length
- Compatible with All Operating Systems – PC/Mac
- Supports IR and RS-232 Control
- Compact Metal Casing
- Automatic Skew Correction Tool Included FREE

Applications:

- Combines with Existing Smart-AVI Products Including Splitters, Extenders, Matrixes and High-Definition Routers
- Large-Scale Multimedia Productions
- Nightclub/Lounge/Restaurant Design
- Corporate/Educational Facilities
- Mass Transit Terminals
- Video Wall Installations
- Digital Signage Networks
- Controlled/Secure CPU Environment
- Theme Park Design
- Resort/Casino
- House of Worship

Extender Applications:

- Convention Halls
- Corporate Board Rooms
- Trade Show Spaces

Splitter Applications:

- Educational Presentations
- Show Rooms
- Retail Locations

Matrix Applications:

- Video Walls
- Audio Visual Presentations
- Digital Signage
- Shopping Centers
- Airports
- Security
- Dealer Rooms
- Point of Sale
- Control Rooms
- Theme Park Design



Specifications

Video Data

Format	RGBHV, RGsB, YUV, Y/C, CVBS
Resolution	Up to 1900 x 1200, VGA, SVGA XGA and SXGA
Connector Type	HD15 Socket

Video Control

- Perfect skew delay correction
- Complete skew control for RGB
- Complete control for Contrast
- 62ns total delay
- 2ns delay step increments
- Calibration saved in Flash
- CAT-5 compensation

Audio

Signal Type	Stereo unbalanced
Conector	3.5mm jack socket

RS-232

D89M	TXD, RXD, GRD
9600bps	

Power

Requirements	5VDC@2A
Connector	2.1mm DC jack (center+ve)

Physical

Dimensions	95mm x 80mm x 23mm
Weight	0.12 kg

Order Information

Part No.	Description
XTP-TX	XTPRO Transmitter Unit
XTP-RXX	XTPro Receiver Unit-Long Distance

Many industry leaders have already embraced SmartAVI's advanced technology and have eagerly implemented our products throughout their organizations. Such companies include:



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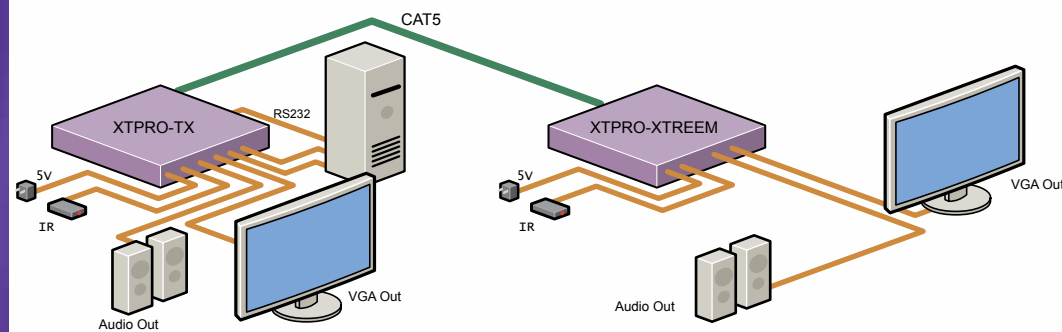
Working in concert with existing Smart-AVI products, XTPro Xtream offers further signal boosting with superior delivery. These include:

Breaking down traditional barriers of distance limitation that CAT5 cabling is bound to, Smart-AVI's XTPro Xtream extends a video signal beyond the standard 1,000-foot threshold and almost doubles the possible length, giving users a new transmission distance of up to 1,699 feet without signal degradation.

The way the XTPro Xtream is able to boost the video signal so much further is by multiple amplification points along the cable itself as well as the technology that is necessary to control the signal skew.

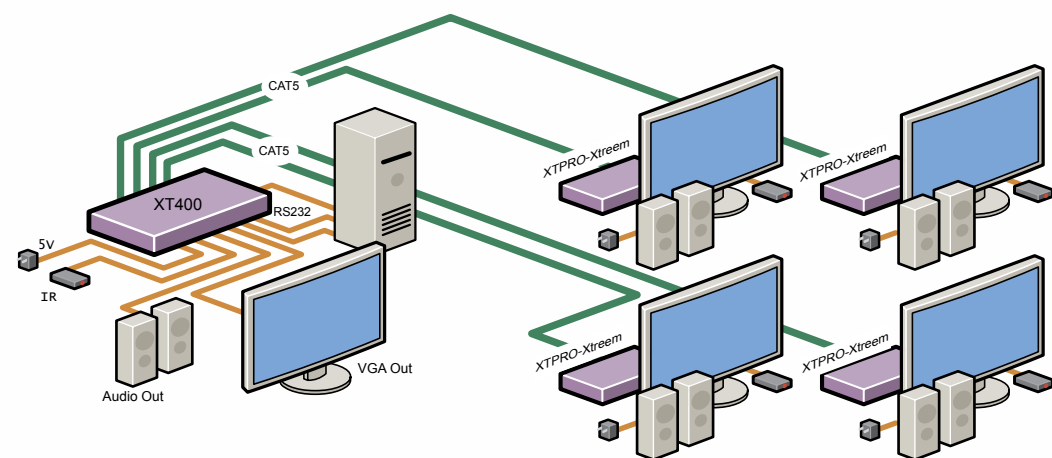
Extender Application

XTPro + XTRPro Xtream – It is now possible to broadcast high-resolution UXGA, stereo audio, RS-232 and infrared signals up to 1,699 feet.



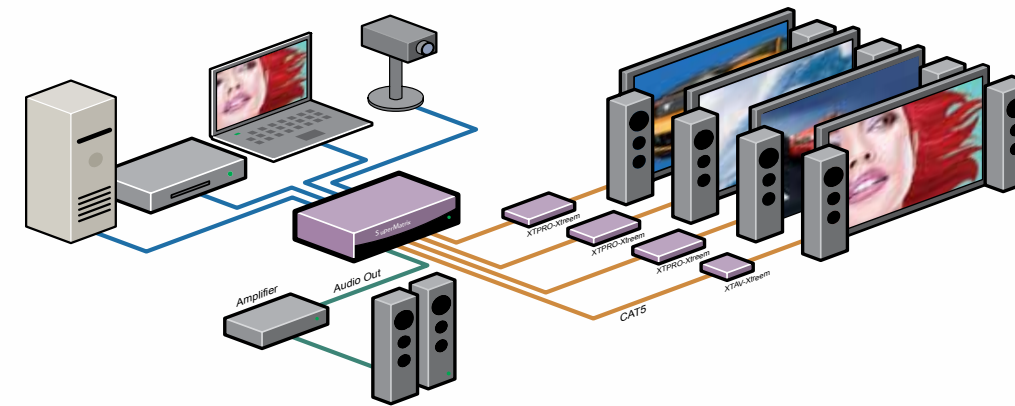
Splitter Application

XT-TX400, XT-TX800 or XT-TX1600 + XTPro Xtream – Using XTPro Xtream with any of these models, it is possible to transmit high-resolution SXGA, stereo audio, infrared and bi-directional RS-232 signals up to four, 8 or 16 locations as far away as 1,699 feet without signal loss.



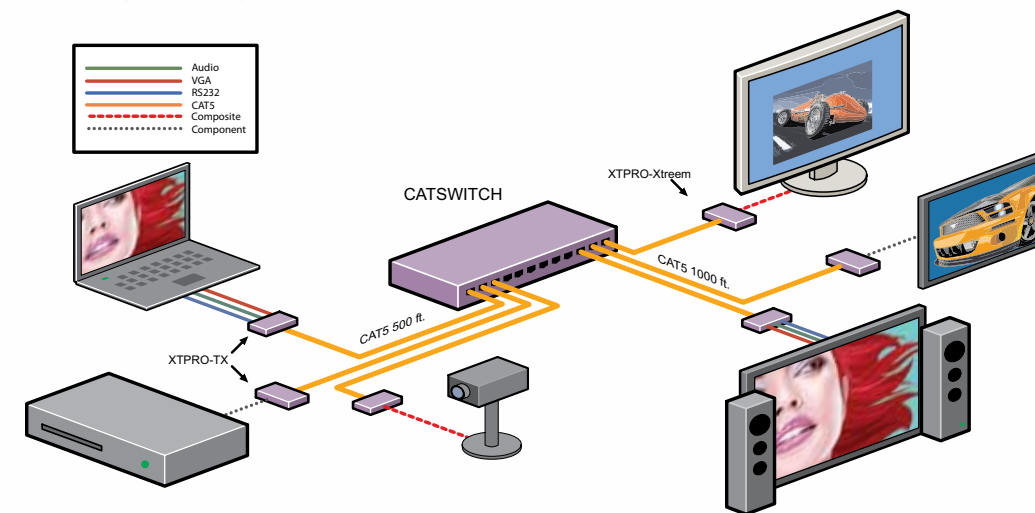
Matrix Application

SuperMatrix + XTPro Xtream – Use this powerful combination to create an audio matrix, video matrix, infrared matrix and full RS-232 matrix that can transmit its signals 1,699 feet from 16 inputs to 16 outputs without signal degradation.



CAT5 to CAT5 Matrix Solutions

Catswitch/CatswitchPro + XTPro Xtream – When used with either of our Catswitch products, it is possible to transmit 720p, 1080i, 1080p, stereo audio, RS-232 and infrared signals from 16 remote devices to 16 remote displays located up to 1,699 feet away without any quality loss or degradation.



CAT5 is a practical, cost-effective method of transmitting video signals from source to screen. The downside to this, is that CAT5 cabling is highly susceptible to "skewing" that occurs over this "twisted pair" type of wiring.

In CAT5 cables, the wires that carry the various signals are twisted at different rates around each other to eliminate "noise" in the line, which degrades the signal quality profoundly. As the different wires are twisted at different intervals, they will naturally, vary in length – sometimes by a matter of feet, despite the fact that the overall length of the CAT5 cable is the same distance. This variation in individual wire lengths within the CAT5 cable create ghosting, color inequality and overall, unacceptable image quality.

XTPro Xtream is able to handle this natural skewing by automatically correcting the signal speed of the individual wires within the cable itself from points A through Z. The source signal passes through the XTPro Xtream box and then on to the display monitor. Using a remote control tool, users can automatically adjust/correct skew distortion with the click of a button. Once the skew has been corrected and set, the XTPro Xtream box remembers the setting indefinitely, unless the hardware is disconnected at some point. Then, the process will need to be repeated once again to correct the skew.