

XTPRO

SXGA, AUDIO, RS-232 AND IR 1,000 FT OVER CAT5 EXTENDER



USE A SINGLE CAT5 CABLE TO BROADCAST HIGH RESOLUTION SXGA, STEREO AUDIO, RS-232 AND IR UP TO 1,000 FT AWAY

FEATURES

- Supports dual screens
- Uses easy to install, inexpensive CAT-5/5e/6/7/8
- Each output reaches up to 1,000 feet (300 m)
- Supports high resolution video up to 1900x1200
- HDTV compatible (720p, 1080i, 1080p)
- 300 MHz bandwidth
- Sends high-resolution VGA, stereo audio signals, RS-232 or IR from one source to 2 locations
- 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 power surge and transient protection
- Designated trimmer in the remote unit to compensate for cable length
- Compact metal case enclosure
- External power supply
- RS-232 communication support to single or multiple displays
- IR command to single or multiple displays

APPLICATIONS

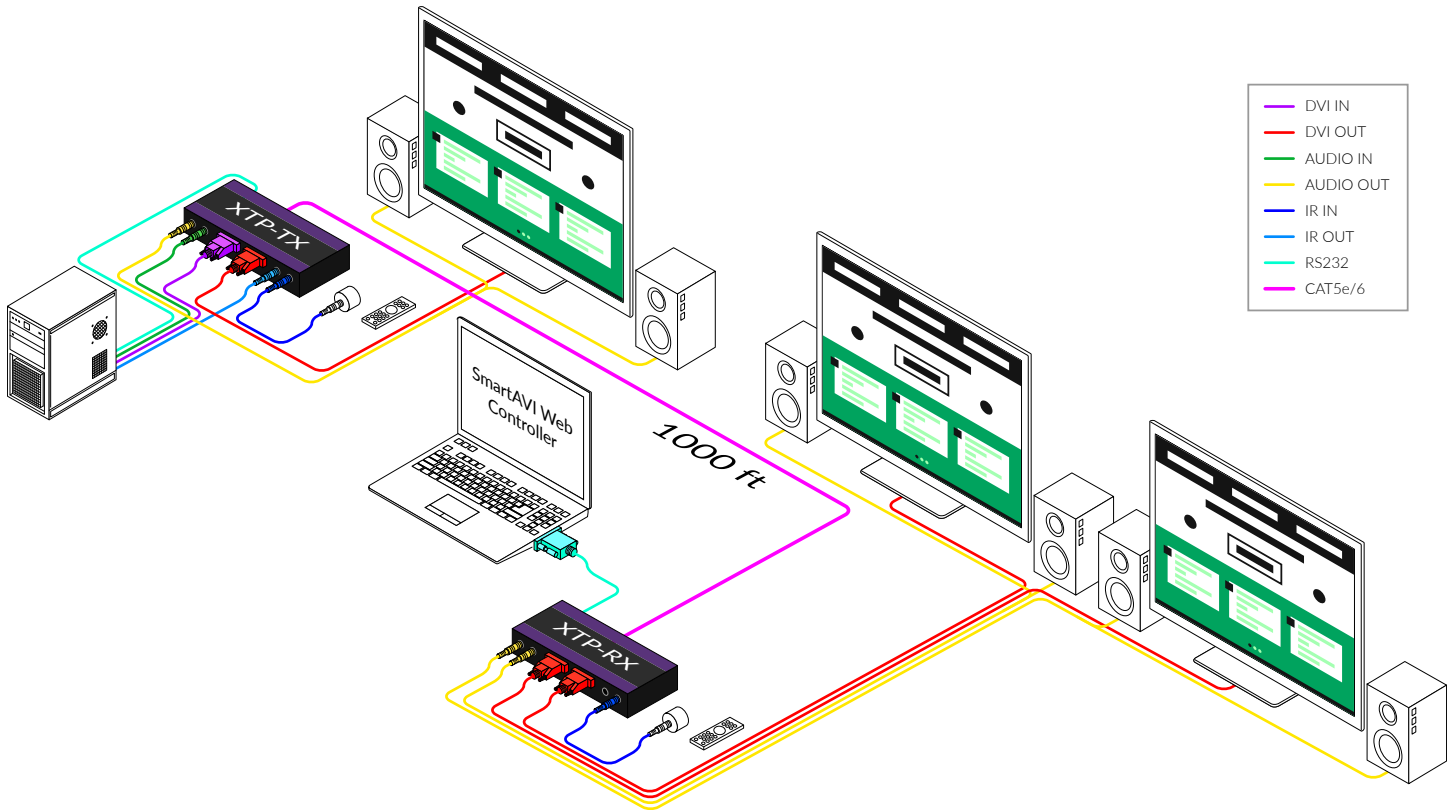
- Corporate or Educational Environments
- Financial Venues with Remote Servers
- Industrial Workstations
- Information Terminals/Kiosks
- Airports (Air Traffic Control/Passenger Info)
- Medical Campuses
- Production Studios



Designed and Manufactured in the USA

OVERVIEW

XTPRO is a high resolution UXGA and stereo audio extender system (transmitter and receiver) designed to broadcast desktop video, stereo audio signals, IR and RS-232 over unshielded twisted pair (UTP) cabling. With RS-232 communication support the XTPRO allows users to send commands to single or multiple devices. This allows the user to change the volume, change the channel or turn on/off the display panel remotely.



EXTEND FOR ANY APPLICATION IN ANY ENVIRONMENT

SECURITY

When managing content in high-security environments, creating a safe and secure control room is critical. In the vast majority of such applications, that requires routing signals from a server room, where the computers are safely stored, to a control room, where approved personnel access the data and video feeds. Whether that's in a security surveillance center, an operations control room or some other security-related environment, being able to extend video, audio and USB is a must.

The XTPRO provides system architects with the flexibility they need to create secure environments for servers as well as the end users accessing those computers. And with video signal extension, users can manage their connected computers with expanded display options, enabling them to stay in control of their content at all times.

DIGITAL SIGNAGE

Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital signage hardware in one central location and to extend the video signals out from there.

That means signal extension is an important part of a smart digital signage solution, and the XTPRO gives users the flexibility they want and need to place their digital signage screens in the right locations to maximize their effectiveness.

AUDIO AND VISUAL RECORDING

For users in the recording arts, maintaining the utmost in signal and recording fidelity is an absolute necessity. For video recording, it is often important that no unsightly computers are visible. Similarly, audio engineers must keep noisy computers away from the rooms where recording happens to ensure the final product sounds professional. In both such instances, the XTPRO gives users the ideal way to keep their servers or computers away from areas that audio or video recording is being done, ensuring a better final product.

EXTENDER UNITS



XTPRO-TX Front



XTPRO-TX Back



XTPRO-RX Front



XTPRO-RX Back

TECHNICAL SPECIFICATIONS

| VIDEO | |
|---------------------|--|
| Bandwidth | 400MHz |
| Analog signal Level | 1 volt |
| Impedance | 10K Ohms |
| Connector | High density HD15 |
| Format | RGBHV, RGsB, YUV, Y/C, CVBS |
| Sync | TTL horizontal SyncRange: 15 to 130 KHz, Vertical Sync Range 30 to 120 Hz |
| Resolution | Up to 1900 x 1200 VGA, SVGA, XGA, SXGA |

| AUDIO | |
|--------------|-------------------|
| Signal Type | Stereo Unbalanced |
| Bandwidth | 20KHz |
| Signal level | 0dB |
| Impedance | 10K Ohms |
| Connector | 3.5mm jack socket |

| IR | |
|-----------------------|---|
| Input Interface (TX) | (1) 3.5 mm (Female) |
| Output Interface (RX) | (1) 3.5 mm (Female) |
| IR Frequency Range | 30KHz to 80KHz |
| Emitter Distance | Up to 10' |
| Connector | 3.5mm Stereo jack for emitter and IR eye |

| OTHER | |
|-----------------------|-----------------|
| Power Supply | DC5V2A |
| Dimensions | 95 x 80 x 23 mm |
| Weight | 0.12 kg |
| Operating Temperature | 0-50 °C |
| Storage Temperature | -20-60 °C |
| Humidity | 0 - 80% |

| PART NO. | DESCRIPTION |
|------------|---|
| XTPRO-S | UXGA/Audio/RS232/IR via CAT5 Extender. Includes: [XTPRO-TX-S, XTPRO-RX-S, and 2 x (PS5VD2A-WLLMNT)] |
| XTPRO-TX-S | UXGA/Audio/RS232/IR via CAT5 Transmitter. Includes: [XTPRO-TX-S and PS5VD2A-WLLMNT] |
| XTPRO-RX-S | UXGA/Audio/RS232/IR via CAT5 Receiver. Includes: [XTPRO-RX-S and PS5VD2A-WLLMNT] |

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