Rack-XTPro Specifications

VGA Data	
Format	RGBHV, RGsB, YUV, Y/C, CVBS
Resolution	Up to 1920 x 1200 VGA, SVGA, XGA, SXGA
Connector Type	HD 15 socket
Audio	
Signal Type	Stereo unbalanced
Connector	3.5 mm jack socket
RS232	
	DB9M
	TXD, RXD, Gnd
	9600bps
Enviromental	
* Operating temperature: 35º F to 96º F	
* Storage temperature: -20º F to 140º F	
Regulatory Approvals	
* CE, RoHS	
Warranty	
1 Year	
Power	
Power Supply	110V-240V; 5VDC 8A
Dimensions	17.063" L x 3.437" W x 5.312" H

Ordering Information

Part No.	Description
RK-XTP-TX4S	UXGA/Audio/RS232/IR RACK 4 ports CAT5 Transmitter
RK-XTP-TX8S	UXGA/Audio/RS232/IR RACK 8 ports CAT5 Transmitter
RK-XTP-TX16S	UXGA/Audio/RS232/IR RACK 16 ports CAT5 Transmitter
RK-XTP-RX4S	UXGA/Audio/RS232/IR RACK 4 ports CAT5 Receiver
RK-XTP-RX8S	UXGA/Audio/RS232/IR RACK 8 ports CAT5 Receiver
RK-XTP-RX16S	UXGA/Audio/RS232/IR RACK 16 ports CAT5 Receiver

End Poinnt Ordering Information

Part No.	Description
XTP-TXS	UXGA/Audio/RS232/IR CAT5 Transmitter. Includes: [XTP-TX, (CCVGAMM06) & (PS5VD1A)]
XTP-RXS	UXGA/Audio/RS232/IR CAT5 Receiver. Includes: [XTP-RX & (PS5VD1A)]
XTP-RXLS	UXGA/Audio/RS232/IR CAT5 Long Range Receiver. Includes: [XTP-RXL & (PS5VD1A)]

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

BOMBARDIER

UNITED STATES POSTAL SERVICE®

Miller®

Raytheon

Monte Carlo RESORT & CASINO LAS VEGAS

NASA

WARNER HOME VIDEO

DIRECTV

U.S.ARMY

P&G Proctor & Gamble

Adobe®

Johnson&Johnson

LOCKHEED MARTIN

Bloomberg

HD ready now supporting 1900 x 1200

Multiple-Device Rack Extension & Management Solution

Use CAT Cable to Broadcast Up to 16 High-Resolution SXGA, Stereo Audio, RS-232 and IR Sources 1,000 Feet Through Single Extension Unit

One box, one power supply, and up to 16 devices extended easily from a rack without the mess or headache of multiple extenders. That is the purpose of SmartAVI's new Rack Series of A/V component management solutions. Rather than buy multiple extenders for your rack components, and having to find power strips or numerous power outlets for the adapters, our Rack Series of extenders allows for up to 16 inputs and 16 outputs (30 feet each way) and one power supply. Say goodbye to a tangled mess of wires and extension cords and hello to a dynamic, smart component management solution.

Rack-XTPro is a high-resolution UXGA and audio extender system (transmitter and receiver) designed to broadcast desktop video, stereo audio, RS-232 and infrared signals over unshielded, twisted pair cabling.

The beauty of our Rack-XTPro models is that using only one unit, you now have the ability to extend four, 8 or 16 sources more than 1,000 feet with only one power supply.

With RS-232 communication support, the Rack-XTPro allows users to send commands to single or multiple devices. Through RS-232 commands, users may control device volume, channel selection, or power on/off the display panel remotely.

Made in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

Features:

- Supports Multiple Screens
- Uses Easy-to-Install CAT5/5e/6/7/8
- Each Output Extends 1,000 Feet Plus
- Supports High-Resolution Video up to 1920x1200
- HDTV-Compatible (720p, 1080i, 1080p)
- 300 MHz Bandwidth
- Sends High-Resolution VGA, Stereo Audio, RS-232 and IR Signals From up to *16 Sources to as Many Display Screens (*Model-Dependant)
- 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 Remote Unit to Compensate for Cable Length
- Compact Metal Case Enclosure
- External Power Supply
- RS-232 Communication Support to Single/Multiple Displays
- IR Command to Single/Multiple Displays

Take Full Control of Your Remote Screens

With Rack-XTPro, you get full RS-232 bi-directional communication to up to 16 remote screens. This gives you the power to access information such as screen logs from your remote locations. You will gain valuable insight into when and how each screen is being used, its effectiveness and how much life is left on your display. You can also send power commands such as On/Off to one or all screens connected to the Rack-XTPro unit.

The RS-232 feature saves you time and is cost-effective by better managing and prolonging the life of your digital signage network.

Applications:

- **Presentations** – The Rack-XTPro enhances any presentation from commercial products to corporate meetings. It can be used in trade show rooms, board rooms, sales floors and window displays.

- **Data Broadcasting** – Data such as news, stock tickers, sports results and flight information can be broadcast in real-time to multiple monitors.

- **Learning and Training** – Rack-XTPro can be used in educational presentations to multiple locations, in schools and in other training facilities.

Configuration Examples:

Rack-to-End Point

If your company uses a rack of source devices, whether it be computer servers, DVD players or other hardware, Rack-XTPro allows you to run all of those components into one extension box that can accommodate between four and 16 inputs/outputs on one power supply. The end point in this example would be source signals being routed from a company rack through Rack-XTPro to multiple display screens/end point monitors.
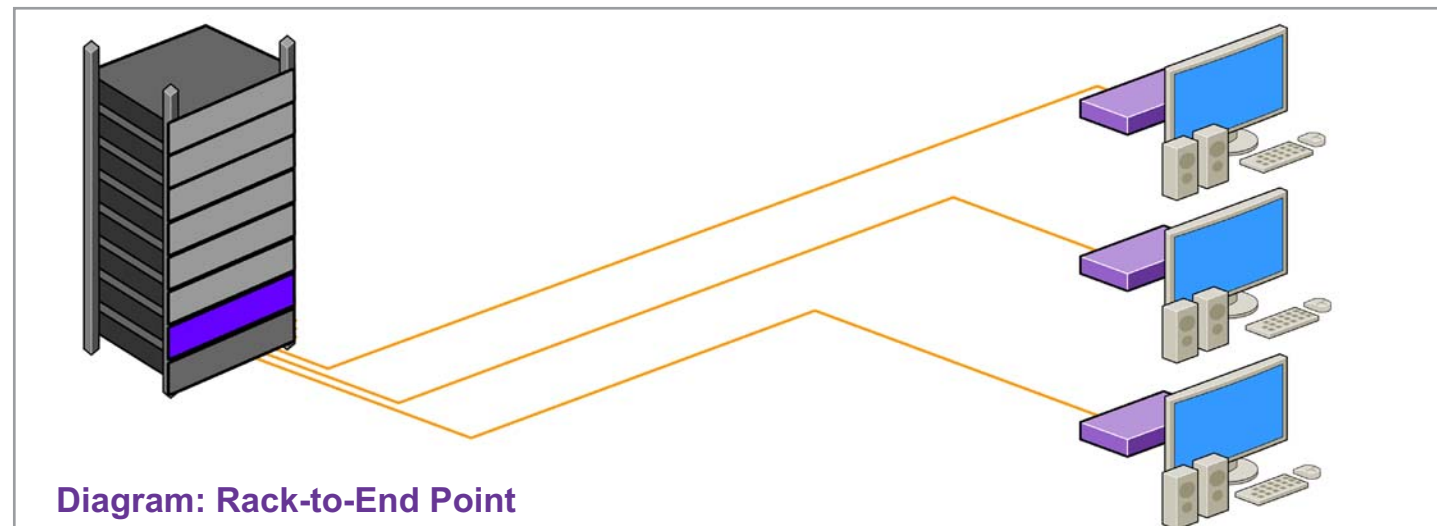
Diagram: Rack-to-End Point

Rack-to-Rack

Companies with multiple source components in one rack, may need to link them to additional servers, receivers, etc. in additional racks within the same building – or perhaps a different location on a campus. Rack-XTPro is configurable to allow such linking of multiple rack units without the burden of numerous extenders for every couple of devices. The example pictured here shows how separate racks of components can be linked via one clean, compact extender unit, before being broadcast to any end point display.
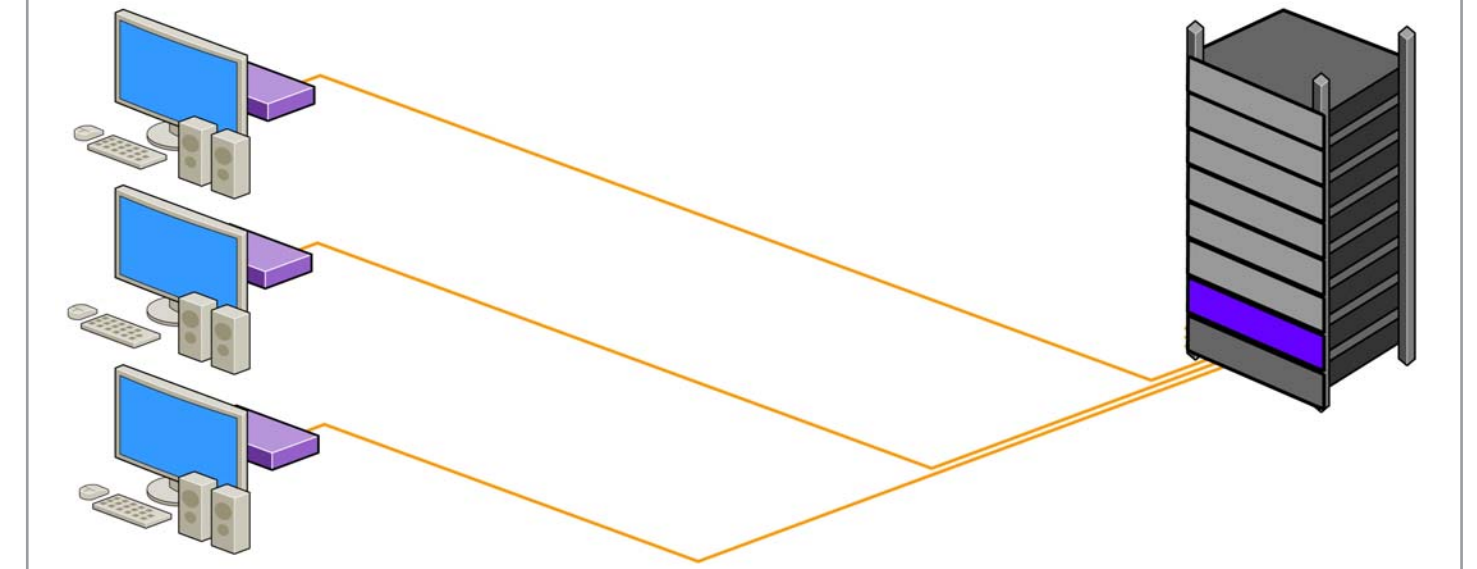
Diagram: Rack-to-Rack

End Point-to-Rack

One of the biggest concerns of management in any company is employee productivity. At any given time, your company may be losing money due to employee abuse of Internet access. A perfect example of an end point-to-rack configuration would be multiple work stations connected to one server for monitoring of computer use by a single user. Of course, work station monitoring also allows for supervisors to see what employees are working on at any given time to evaluate work flow, assist in group projects and help troubleshoot workforce questions from an office or control room.

Diagram: End Point-to-Rack

At SmartAVI, it is our goal to assist each and every client with a cost-effective, powerful solution for their rack structuring needs. Given the examples above, know that our team is ready to assist you with multiple, mixed and customized configurations using our Rack Series technology and products. There is no project too large or small; let SmartAVI help you design your system layout from start to finish.