

HDX-POE-PRO

CAT5E/6/7 HDMI, IR, RS-232 AND ETHERNET WITH POE EXTENDER



**EXTEND VGA VIDEO SIGNALS UP TO 1920X1200 RESOLUTION AND AUDIO
OVER A SINGLE CAT5E/6 CABLE, UP TO 1,000 FT**

FEATURES

- Supports resolutions up to 4K Ultra HD (@30Hz)
- Supports POE (Power Over Ethernet)
- Extends HDMI, IR, RS-232 and Power over one Cat5e/6 Cable
- Extends IR Control Signals for Remote Control
- Uses Technology
- Full HD support: 1080p@60Hz@48 bit/pixels, 1080p@120Hz@24 bit/pixels, 3D 1080P60Hz and 4K x 2K@30Hz@24bit
- Data Signals up to 3.4Gbps
- HDMI 1.4 and HDCP Compliance
- Uses Bi-Directional IR Communication
- Transmits High-Quality Dolby TrueHD, DTS-HD MA Audio Signals
- Transmits 1080p Resolution Video up to 328 ft

APPLICATIONS

- Convention centers
- Sports arenas
- Transportation hubs (airports, train stations)
- Education Facilities (auditoriums, lecture halls)
- Retail spaces
- Industrial facilities
- Control rooms
- Military command centers
- Data centers and server rooms
- Multiplex cinemas
- Nightclubs
- Concert halls
- Production studios

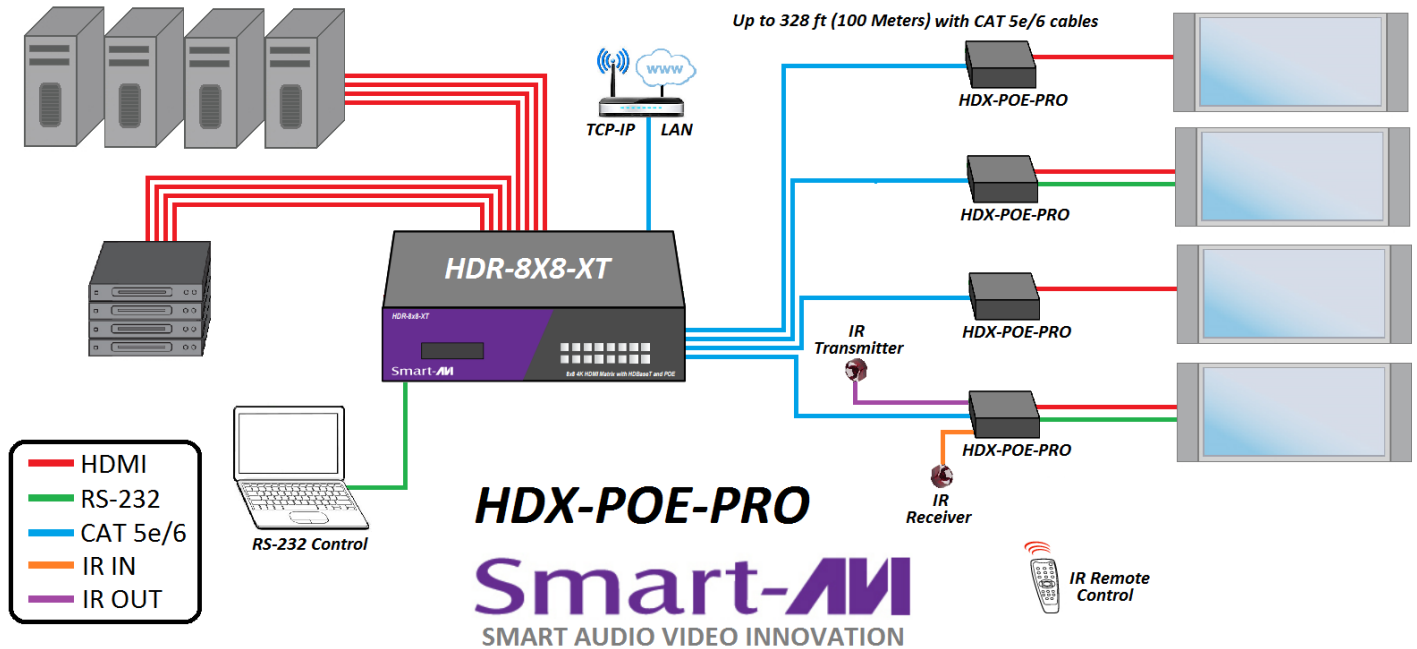


Designed and Manufactured in the USA

OVERVIEW

Extend 4K (3840x2160 @30Hz) Ultra-HD HDMI, IR remote control, RS-232 command, and Ethernet-based internet signals up to 328 ft (100m) from source devices with the HDX-POE-PRO receiver. Plug-and-play and enhanced ethernet, the HDX-POE-PRO is energy efficient and Power-over-Ethernet (POE), conserving costly consumption expenses.

The HDX-POE-PRO pairs well with SmartAVI's HDR-8x8-XT HDMI matrix, which powers the POE-PRO units directly over CAT5e/6/7 connection.



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 HDX-POE-PRO 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 HDX-POE-PRO 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 HDX-POE-PRO 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.

FRONT AND BACK



HDX-POE-PRO Front



HDX-POE-PRO Back

TECHNICAL SPECIFICATIONS

VIDEO & AUDIO	
Input Interface	(1) CAT5e/6/7
Output Interface	(1) HDMI 1.4, (1) Ethernet
Input Resolution	Up to 4K (3840x2160 @ 30Hz)
Output Resolution	Up to 4K (3840x2160 @ 30Hz)
Video Bandwidth	10.2 Gbps

MISC. SIGNALS	
Connectors	(1) IR RX, (1) IR TX, (1) RS-232
IR Range	38 kHz ~ 54 kHz

OTHER	
Power Supply	12VDC2A (optional) @ 10W
Dimensions	3.9" W x 1.0" H x 3.9" D
Weight	0.7 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Humidity	Up to 95% (non-condensing)

PART NO.	DESCRIPTION
HDX-POE-PRO-S	4K HDMI, IR, RS-232, & Ethernet extender over CAT5e/6/7, Includes: [HDX-POE-PRO and (**PS12V2A)]

**Optional power supply

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Smart-AVI
SMART AUDIO VIDEO INNOVATION