

HDX-POE

HDMI, IR AND POWER EXTENDER OVER SINGLE CAT5/5E/6 CABLE



WATCH AND CONTROL HDTV 1080P VIDEO UP TO 250FT FROM
THE SOURCE VIA CAT5/5E/6 USING POE TECHNOLOGY

FEATURES

- Supports POE: Can be powered by TX or RX
- Extends HDMI, IR and Power Output over one Cat5/5e/6 Cable
- Extends IR Control Signals for Remote Control
- 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 250 ft

APPLICATIONS

- Home Theater
- Corporate/Educational Presentations
- Call Centers
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations (Air Traffic Control/Passenger Information)
- Educational Environments with Remote Displays

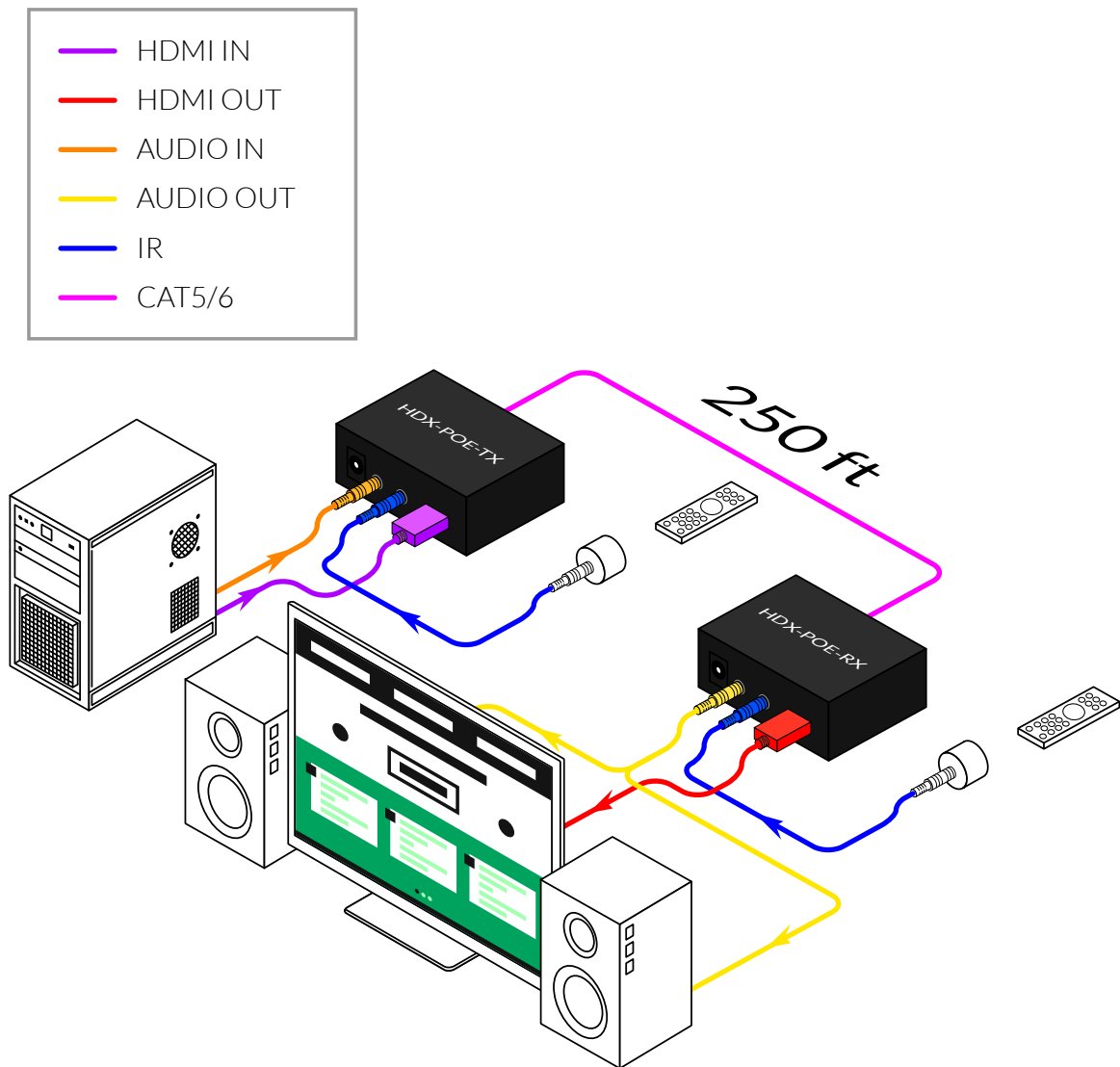


Designed and Manufactured in the USA

OVERVIEW

Are you extending your HD signal reach and finding that the best potential new locations don't have the proper power available? You may not have to scale down your plans if you consider using an HDX-POE system from SmartAVI. HDX-POE injects power into cat5/cat5e/cat6 cable that transports both HDMI and IR and picks it off at the load.

APPLICATION DIAGRAM



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 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 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 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 Transmitter



HDX-POE Receiver

TECHNICAL SPECIFICATIONS

VIDEO	
Resolution	800X600, 1024X768 , 1280X1024, 1366X768, 1920X1200, 480i, 720p, 1080i, 1080p and 3D
Transmission	70 meters
Color Depth	Deep Color 36/30/24 Bit at 1080p and 3D
Audio Format	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
IR Range	38kHz, 56kHz
Video Bandwidth	10.2Gbps
Input Video Signal	1.2 Volts P-P
Input DDC Signal	5 Volts(TTL)

I/O CONNECTOR (Transmitter)	
Input	1 x HDMI-A 19PIN Socket 5 x 2.5mm 1 x 3.5mm Jack for IR Receiver
Output	1 x RJ45 Jack 1 x 3.5mm Jack for IR Emitter

I/O CONNECTOR (RECEIVER)	
Input	1 x RJ45 Jack 1 x 3.5mm Jack for IR Receiver 5 x 2.5mm
Output	1 x 3.5mm Jack for IR Emitter 1 x HDMI-A 19PIN Socket

MECHANICAL - TRANSMITTER/RECIEVER	
Dimensions (H-W-D)	0.9" x 2.9" x 3.7"
Weight	0.26 lbs
Power	External 12V2.5A

ENVIRONMENTAL	
Operating Temperature	+0 to +40° C (+32° to 104° F)
Operating Humidity	10% to 85% (Non-condensing)
Storage Temperature	-20° to +60°C (-4° to +140° F)

SAFETY	
Certificate	FCC, CE, RoHS
Power Adapter	UL, CE, FCC, RoHS

PART NO.	DESCRIPTION
HDX-POES	HDMI & IR Extender over a Single Cat5/5e/6 Cable Includes: [HDX-POE-TX, HDX-POE-RX and (PS12V2.5A and Wall Mount)]