TECHNICAL SPECIFICATION

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 (TX)	
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 (RX)	
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	
Dimensions	0.9" H x 2.9" W x 3.7" D
Weight	0.26 lb
Power	External 12V2.5A

ENVIRONMENTAL	
Operating Temp.	32-104°F (0-40 °C)
Storage Temp.	-4-140°F (-20-60 °C)
Humidity	Up to 85% (non-condensing)

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

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
HDX-POE-TX	1	HDMI, IR, CAT5/5e/6 Transmitter
HDX-POE-RX	1	HDMI, IR, CAT5/5e/6 Receiver
Power Supply	2	PS5VDC2A
Quick Start Guide	1	

NOTICE

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DESIGNED AND MADE IN THE USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

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

Quick Start Guide

OVEVIEW

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 us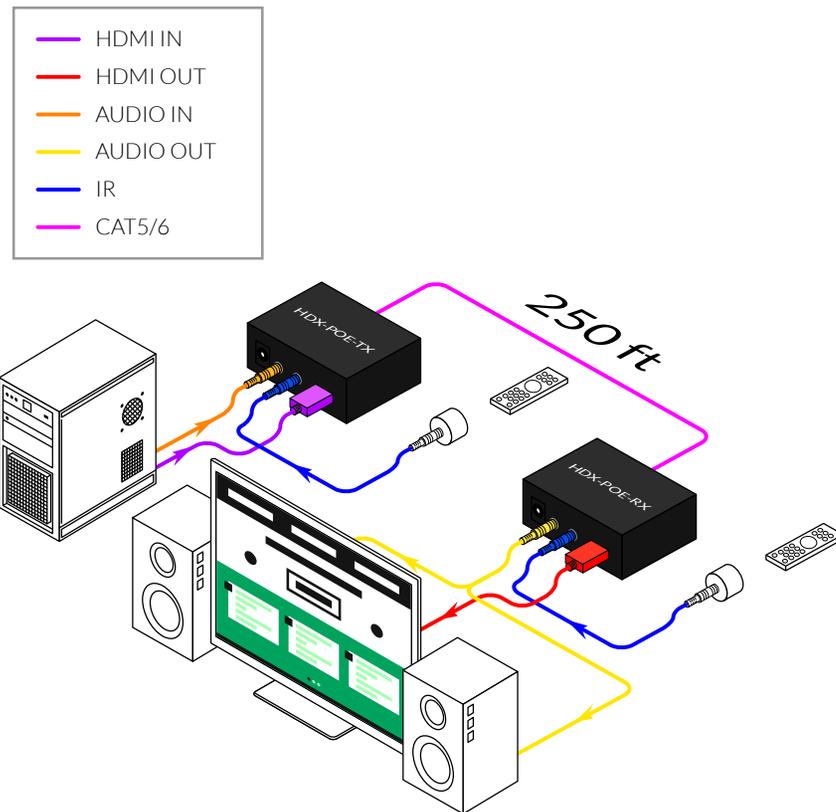ing an HDX-POE system from SmartAVI. HDX-POE injects power into cat5/cat5e/cat6 cable that transports both HDMI and IR and picks it off at the load.

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

HARDWARE INSTALLATION

1. Power off the HDMI source and display.
2. Connect an HDMI cable from the HDMI source to the HDMI IN port of the HDX-POE transmitter.
3. Connect an IR emitter (optional) to the IR OUT port on the transmitter.
4. Connect the HDX-POE transmitter to the HDX-POE receiver using a CAT5e/6 cable (up to 150 ft).
5. Connect an IR receiver (optional) to the IR IN port on the receiver.
6. Connect an HDMI cable from the HDMI OUT port on the HDX-POE receiver to the HDMI Display.
7. Connect the power on the HDX-POE transmitter plugging in their power adapters (12VDC2A) or provide 12VDC input from the rear DC input port.
   NOTE: If the RX side has connected DC adapter, TX can get the DC power over the CAT5e/CAT6 cable, so leave DC input port empty. Only 1 power supply is required for both units.
8. Power on the HDMI source, displays and speakers. The RX will read the EDID from the monitor, and then pass the data into the TX automatically.

⎯	HDMI IN
⎯	HDMI OUT
⎯	AUDIO IN
⎯	AUDIO OUT
⎯	IR
⎯	CAT5/6

250 ft

HDX-POE-TX

HDX-POE-RX