



Evolution HDMI Over Single CAT5E/CAT6 Extender

EVEX2006

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The Evolution by Vanco EVEX2006 HDMI Extender over Single Cat5e/6 with Bi-directional IR, auto EDID/EQ, and PoE extends high definition video and audio signals, IR, and power at a distance of up to 164ft/50m over a single Cat5e/6 cable. Power over Ethernet (PoE) Technology transmits power over Cat5e/6, allowing either the Transmitter or Receiver to be powered without the use of a power supply. No EDID or EQ adjustments are necessary as the units automatically adjust for compatibility and gain. This extender set also features a newly redesigned slim and compact chassis for easy and flexible installations. This product fully supports DTS-HD and Dolby TrueHD audio formats, and is HDCP compliant. In addition, bidirectional IR pass-through allows for source or display control. For extending HDMI over a single Cat5e/6 with IR at a long distance, with Power over Ethernet, the EVEX2006 is a great plug and play solution!

The EVEX2006 includes two units: transmitting unit (EVEX2006-TX) and receiving unit (EVEX2006-RX). The transmitting unit is used to capture the HDMI input with IR signals and carries the signals via one cost effective Cat5e/6 cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR signals. The EVEX2006 offers the most convenient solution for HDMI extension over a single Cat5e/6 with Power over Ethernet, and is the perfect solution for any application.

Features

- Allows HDMI audio/video signals to be transmitted using a single Cat5e or Cat6 Cable/li>
- Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6, allowing the transmitter and receiver to be powered off of a single power supply/li>
- Slim and compact design/li>
- Wide band Bi-directional IR system allowing for control of source or display (IR accessories included)/li>
- Wideband IR signal from 20KHz to 60KHz/li>
- Transmission Range: Extends HDMI transmission up to 50m (164ft) from the HDMI source at Full HD 1080p 24-bit color and 3D/li>
- Auto EDID and EQ Management for plug and play installation/li>
- Works with HDMI and HDCP compliant devices/li>
- HDCP 2.0 compliant/li>
- Pure uncompressed 7.1ch digital audio/li>
- Supports DTS-HD and Dolby TrueHD high bit rate audio/li>
- Allows cascading to create a larger distribution system/li>
- Fully compatible with any Evolution by Vanco product/li>
- Dimensions: 2.7 (68.58mm) W x .7 (17.78mm) H x 3.25 (82.55mm) Dpeci

Specifications: HDMI Compliance: HDMI Deep Color 30/36/48 bit color depth, Full 3D HDCP Compliance: Yes Video Bandwidth: Single-link 165MHz [4.95Gbps] Video Support: 480i/480p/720p/1080i/1080p @60 HDMI over UTP: Full HD [1080P]-50m [165ft]; HD [720p/1080i]- 80m [262ft] Audio Support: Surround Sound (up to 7.1 ch) or stereo digital audio Input TMDS Signal: 1.2 Volts (peak to peak) Input DDC Signal: 5 Volts (peak to peak, TTL) ESD protection: (1) Human body model +/- 6kV (air-gap discharge) & (contact discharge) (2) Core chipset - +/-8KV PCB stack-up: 4 layer board (impedance control - differential 100, single 50 IR pass-thru: Full-duplex bi-directional Input: (TX) 1xHDMI; (RX) 1xRJ45 + 2x3.5mm Output: (TX) 1xRJ45 + 2x3.5mm; (RX) 1xHDMI HDMI source control: Controllable via IR pass-through from RX to TX and from TX to RX with IR extenders or via CEC integrated HDMI connector: Type A 19 pin female RJ-45 connector: WE/SS 8P8C LED indicators: Video lock yellow, Power, green 3.5mm connector: (TX and RX) IR Receiver/



IR blaster Housing: Metal enclosure Power supply: (1)12V1A Power consumption: 3.5 Watts TX, 2.5 Watts RX
Operation temperature: 32-104 degrees F Storage temperature: -4 - 140 degrees F Relative humidity: 20-90% RH (no condensation)