



Evolution HDBaseT Slim Extender

EVEX4K50

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The Evolution by Vango EVEX4K50 HDBaseT 4K@60Hz, 4:4:4 Chroma, HDR Extender with Bi-directional IR, and Power over Cable (PoC) extends 4K/60Hz, 4:4:4 with HDR along with audio, and RS232 at a distance of up to 164/50m over a single Cat5e/6 cable. Also able to pass 1080p/60Hz up to 230ft/70m. Power over Cable (PoC) Technology transmits power over Cat5e/6, allowing either the Transmitter or Receiver to be powered without the use of a power supply for an easy installation. No EDID or EQ adjustments are necessary as the units automatically adjust for compatibility and gain. In addition, RS-232 and bi-directional IR pass-through allows for source and/or display control. For extending full 4K resolution with up to 60Hz, 4:4:4 chroma subsampling, and HDR, the EVEX4K50 is a great plug and play solution for connecting the latest components! The EVEX4K50 includes two units: transmitting unit (EVEX4K50-TX) and receiving unit (EVEX4K50-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 EVEX4K50 offers the most convenient solution for 4K extension over a single Cat5e/6 with Power over Cable, and is the perfect solution for any application.

Features

- Features the latest HDBaseT Technology, optimized for whole-home or commercial distribution of high definition signals at much greater distances of standard HDMI cables
- Transmission Range: Extends 4Kx2K@60Hz, 4:4:4 with HDR up to 164ft/50m over a single Cat5e/6 cable and 1080p@60Hz up to 230ft/70m
- Features Power over Cable technology (PoC) which transmits power over Cat5e/6, allowing for either Transmitter or Receiver to be powered without the use of a power supply
- Virtually Lossless Compression retains high end audio and video quality
- Bi-directional IR and RS232 control
- Features Auto EDID and EQ Management for plug and play installation
- HDCP 2.2 compliant and backward compatible to previous versions
- CEC Support
- Slim and compact design
- Power Supply: DC 12V, 2A
- Dimensions: 146.2mm x 94mm x 17.9mm

Specifications: Transmitter Input HDMI IN Transmitter Output HDBaseT OUT Receiver Input HDBaseT IN Receiver Output HDMI OUT Transmitter Control Ports IR IN, IR OUT, RS-232 Receiver Control Ports IR IN, IR OUT, RS-232 Transmission Mode & Distance HDBaseT; 1080P @ 70m; 4Kx2K w/HDR @ 50m* Resolution Up to 4Kx2K@60Hz 4:4:4 with HDR Bandwidth 18Gbps HDMI Standard HDMI 2.0 & HDCP 2.2 Power Consumption 20W (max) Temperature -10°C ~ 50°C Humidity 0% ~ 90% Power Supply Input: 100VAC~240VAC, 50/60Hz; Output: 24VDC 1.25A Dimensions (mm) 146.2mm W x 94mm H x 17.9mm D