



## Evolution HDBaseT Slim Extender

EVEXHDB1

SKU: 17830    UPC: 741835000000

The Evolution by Vango EVEXHDB1 HDBaseT Extender over Single Cat5e/6 with RS-232, bi-directional IR, auto EDID/EQ, and PoC extends 4K/UHD and high definition video and audio with RS-232 and IR signals, and power up to 131ft/40m over a single Cat5e/6 cable. RS-232 pass-through allows for third party integration or to send control signals to the connected display. Also features Power over Cable (PoC) Technology, which transmits power over Cat5e/6, allowing either the Transmitter or Receiver to be powered without the use of a power supply, you pick and choose which side to power. No EDID or EQ adjustments are necessary as the units automatically adjust for compatibility and gain. For extending HDMI over a single Cat5e/6 with RS-232, IR, and PoC, the EVEXHDB1 is a great plug and play solution for extending 4K UHD signals. The EVEXHDB1 includes two units: transmitting unit (EVEXHDB1-TX) and receiving unit (EVEXHDB1-RX). The transmitting unit is used to capture the HDMI input with RS-232 and IR signals and carries the signals over a single Cat5e/6 cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing RS-232 and IR signals.

### Features

Features HDBaseT Technology, optimized for whole-home or commercial distribution of uncompressed high-definition signals at more than twice the distance of standard HDMI cables without degradation  
HDBaseT Extender can connect uncompressed full HD digital video and audio through a single 230ft/70m Cat5e/Cat6 cable

Features Power over Cable (PoC) Technology which transmits power over Cat5e/6, allowing for either Transmitter or Receiver to be powered without the use of a power supply. The result is an easy and flexible installation with low maintenance.

Transmission Range: Extends 1080p resolutions up to 230ft (70m) over a single Cat5e/6 cable and 4K@60Hz, 4:2:0 color subsampling up to 131ft (40m)

Bi-directional IR control

High Bandwidth: 10.2 Gbps

HDCP 2.2 compliant

CEC Support

Slim and compact design

Power Supply: DC 12V

Dimensions: 2.4 W x .9 H x 4.7 D

Specifications: Input Signal TX: 1 HDMI, 1 IR; RX: 1 IR, 1 RJ-45 Input Connector TX: HDMI female, 3.5mm mini jack; RX: 3.5mm mini jack; RJ-45 Video Signal HDMI1.4 Audio Digital audio, transmit through HDMI audio Output TX: 1 RJ-45, 1 IR; RX: 1 HDMI, 1 IR Output Connector TX: RJ-45, 3.5mm mini jack; RX: HDMI female 3.5mm mini jack Video signal HDMI1.4 Transmission Mode HDBaseT Resolution Range 800x600@60Hz~4Kx2K Transmission Distance Maximum distance 230 ft. (70 m) SNR >70dB@ 100MHz-100M Bandwidth 10.2Gbps THD 0.005%@1KHz HDMI Standard Support HDMI1.4, and HDCP Impedance 75 $\Omega$  Temperature 0~ 50 degrees C Reference Humidity 10% ~ 90% Power Supply DC 12V, 1A Power Consumption 9.6W Weight 0.28Kg 0.28Kg HDMI Resolutions 480I, 480P, 576I, 576P, 720P, 1080I, 1080P, 4Kx2K, 1080P 3D DVI Resolutions 640x480@60Hz, 640x480@72Hz, 640x480@75Hz, 800x600@60Hz, 800x600@72Hz, 800x600@75Hz, 1024x768@60Hz, 1024x768@70Hz, 1024x768@75Hz, 1280x720@60 Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1600x1200@60Hz, 1920x1080@60Hz, 1920x1200@60Hz  
Note: HDBaseT Extender supports 4K&1080p 3D HDMI signal, please adopt quality HDMI cables compliant with HDMI1.4 for reliable transmission when using