



Evolution HDMI POE Receiver

EVRX2006

SKU: 17835 UPC: 741835000000

The Evolution by Vango EVRX2006 HDMI Receiver over Single Cat5e/6 with Bi-directional IR, auto EDID/EQ, and PoE receives 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 the Receiver to be powered without the use of a power supply. No EDID or EQ adjustments are necessary as the unit automatically adjusts for compatibility and gain. This receiver 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, bi-directional IR pass-through allows for source or display control. The EVRX2006 works with Evolution Series Splitters, Matrix Selector Switches and Extender Transmitters over Cat5e/Cat6 that have POE functionality

Features

To be utilized with Evolution by Vango matrix units, splitters, and extender transmitters that send HDMI signals over a single Cat5e/6 cable and feature Power over Ethernet (PoE) Technology

Allows HDMI audio/video signals to be transmitted using a single Cat5e or Cat6 Cable

Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6; No power supply needed on the receiver end

Slim and compact design

Wide band Bi-directional IR system allowing for control of source or display (IR accessories included)

Wideband IR signal from 20KHz to 60KHz

Transmission Range: Extends HDMI transmission up to 50m (164ft) from the HDMI source at Full HD 1080p 24-bit color and 3D

Features Auto EDID and EQ Management

Works with HDMI and HDCP compliant devices

HDCP 2.0 compliant

Pure uncompressed 7.1ch digital audio

Supports DTS-HD and Dolby TrueHD high bit rate audio

Dimensions: 2.7 (68.58mm) W x .7 (17.78mm) H x 3.25 (82.55mm) D

Specifications: HDMI Compliance HDMI Deep Color, 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 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 Operation temperature 32-104 degrees F Storage temperature -4 - 140 degrees F Relative humidity 20-90% RH (no condensation)