



Evolution HDMI Extender

EVEX2004

SKU: 17832 UPC: 741835000000



The Evolution by Vanco EVEX2004 HDMI Extender over Single Coax with Bi-directional IR extends high definition video and audio signals and IR, at a distance of up to 394ft/120m over RG6 coaxial cable, and 164ft/50m over RG59 coaxial cable. Features Bi-directional IR, which allows for control of the source or display. Also features EDID management, which allows and encourages source and display handshake for seamless integration. With just a single coaxial cable, high definition sources with HDMI outputs can be connected to high definition displays with HDMI inputs over long distances. DTS-HD or Dolby TrueHD audio, and HDCP is supported and compatible with the EVEX2004. Compact design with mounting ears included, for an easy and flexible installation. A great solution for applications which already have an existing coaxial cable in place.

The EVEX2004 includes two units: transmitting unit (EVEX2004-TX) and receiving unit (EVEX2004- RX). The transmitting unit is used to capture the HDMI input with IR signals and carries the signals via one coaxial cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR and serial control signals. The EVEX2004 offers the most convenient solution for HDMI extension over a single coaxial cable with long distance capability, and provides a solution in applications where additional cables cannot be installed.

Features

- Allows HDMI audio/video signals to be transmitted using a single coaxial cable
- Wide band Bi-directional IR system (20KHz to 60KHz) allowing for control of source or display
- Transmission Range: Extends 1080p resolution up to 394ft/120m over RG6 coaxial cable (dual and quad-shielded); Extends 1080p resolution up to 164ft/50m over RG59 coaxial cable
- Works with HDMI and HDCP compliant devices
- Supports up to 1080p/60 High Definition resolution
- Supports video resolutions 480i, 576i, 720p, 1080i, and 1080p
- 7.1-channel audio supported; Supports DTS-HD and Dolby TrueHD high bit rate audio
- EDID manual select control - Supports Copy EDID
- Compact and wall mounting housing design for easy and robust installation
- Fully compatible with any Evolution by Vanco product
- Dimensions: 3.35 (85mm) W x 1.1 (28mm) H x 3.19 (81mm) D

Specifications: HDCP Compliance: Yes Video Bandwidth: Single-link 225MHz [6.75Gbps] Video Support: 480i / 720p / 1080i / 1080p60 (Does NOT support 480p) Audio Support: Surround Sound (up to 7.1 ch) or stereo digital audio Transmission Range: HD [1080p 24-bit color] up to 120m [394ft] HDMI Equalization: Auto Input TMDs Signal: 1.2 Volts (peak to peak) Input DDC Signal: 5 Volts (peak to peak, TTL) ESD protection: (1) Human body model +/- 19kV (air-gap discharge) & (contact discharge) (2) Core chipset - +/- 8k V PCB stack-up: 6 layer board (impedance control - differential 100, single 50 Input: (TX) 1xHDMI + 1x3.5mm; (RX) 1xBNC + 1x3.5mm Output: (TX) 1xBNC + 1x3.5mm; (RX) 1xHDMI + 1x3.5mm IR Remote Control: Electro-optical characteristics: p = 25 / Carrier frequency: 20-60kHz HDMI connector: Type A 19 pin female BNC connector: 75 interlocking socket 3.5mm connector: (TX and RX) IR Receiver/ IR blaster Housing: Metal enclosure Fixedness: Wall-mounting case with screws Power supply: (2) 5V2A Power consumption: 6 Watts Operation temperature: 32-104 degrees F Storage temperature: -4 - 140 degrees F Relative humidity: 20-90% RH (no condensation)