HDBaseT/HDMI via CAT5e/6 Extenders

KD-X222PO

4K HDMI over CAT5e/6 HDBaseT Extender Tx + Rx Kit. 10.2Gbps Bandwidth. IR Emitter and Sensor Included.

KEY FEATURES

> **HDBaseT via Single CAT5e/6 UTP/STP Extension:** With fully automatic adjustment of feedback, equalization, and amplification depending on cabling length

> **4K/UHD Resolution:** Supports signals up to 4096x2160 60Hz [4:2:0] 8bit, 4096x2160 30Hz [4:2:2] 12bit, and 4096x2160 30Hz [4:4:4] 8bit

> **Power over HDBaseT:** Tx unit powers Rx unit. Only one power connection needed.

> **Signal Extension:**
  » Up to **150 ft. @ 4K** 24/25/30(4:4:4)/60(4:2:0) using CAT6A cabling
  » Up to **125 ft. @ 4K** 24/25/30(4:4:4)/60(4:2:0) using CAT5e/6 UTP/STP
  » Up to **250 ft. @ 1080p** /1920x1200 using CAT6A cabling
  » Up to **230 ft. @ 1080p** /1920x1200 using CAT5e/6 UTP/STP cabling

> **HDCP 2.2:** Compliancy up to HDCP 2.2 and backward compliant

> **HDR (High Dynamic Range):** More life-like images through a greater range of luminance levels

> **Deep Color Support:** Up to UHD/4K 30Hz 4:2:2/12 bits or 60Hz 4:2:0/8 bit

> **Low Profile:** Super slim chassis design

> **HDMI® and HDCP Licensing:** Fully licensed and compatible with HDCP 2.2 and HDMI latest technology such as 4K/UHD 4:2:0/8bit at 60f/s

> **EDID Control:** Internal library features 15 default EDID configurations and native EDID data from Output/Display devices connected via Rx

> **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected input devices

> **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID Control handshake, and Hot Plug control

> **IR Sensor:** Sensor powering via +5V on Rx unit's IR In port collects line-of-sight IR from remote(s) without external IR connecting block

> **Up/Down IR:** Two channels of IR enable control to/from devices connected to Tx and Rx units

> **RS-232:** Bi-Directional control to/from Tx and Rx unit on Phoenix connector
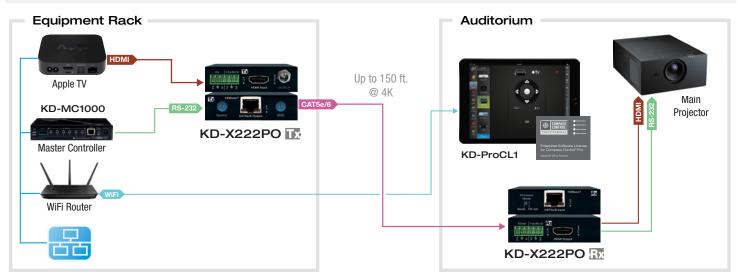

> **Rotary Switch RS-232 Control Mode:** Provides control of Tx unit as well as connectivity status

> **Lossless compressed digital audio:** Support for Dolby® TrueHD, Dolby® Digital Plus, Dolby Atmos®, and DTS-HD Master Audio™

> **CEC Support:** For inter-device control between input and output HDMI channel

> **I2C Communication:** EDID and HDCP authentication to Display and Source

> **Control System Support:** Fully controllable by all RS-232 supported control systems via open API: Compass Control®, AMX®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.

SPECIFICATIONS

» Regulation: CE, RoHS, WEEE, EAC
» Enclosure: Black Metal
» Product (Each): 4.1" x 2.8" x 0.875", Weight: 0.75 lbs
» Power (Tx Only): KD-PS12V2ASC, 12V/2A, 100-240VAC, 50-60Hz, Interchangeable head with screw-in connector
» Accessories: (2) Mounting Brackets, (1) IR Emitter, (1) IR Sensor

SYSTEM DESIGN EXAMPLE

* For all installations, we highly recommend use of CAT6 STP cabling, especially in hostile electrical environments. The shield of CAT6 STP must be soldered on both ends to the shield of RJ45 connector used. The CAT5/5e/6 cable has to be terminated according to TIA/EIA-568-B standard. The use of STP CAT5, 5e is not recommended.