Key Digital KD-X222PO-b Power over HDMI via CAT5e/6 Extenders (Transmitter/Receiver) Set with HDR10/HDCP2.2/4K

Power over HDBaseT/HDMI via Single CAT5e/6 (Tx + Rx Set) Extenders with HDR10, HDCP2.2, 4K

KD-X222/KD-X222PO HDBaseT/HDMI (Tx & Rx) Extenders are an HDCP 2.2 compliant product that extend 4K/UHD 24/25/30 (4:4:4) and 4K/UHD 60 (4:2:0) signals up to 150 ft. using Key Digital® KD-CAT6STP1X Super CAT6A Shielded cable, or up to 125 ft. using a single third-party CAT5e/6 cable. 1080p/60, 1920x1200, 3D signals are extended up to 250 ft. via single Key Digital® KD-CAT6STP1X Super CAT6 shielded cable, or up to 230 ft. using a single third-party CAT5e/6 cable. In addition to HDMI video and audio signals, KD-X222/X222PO carries IR or RS-232 for controlling remotely located equipment or the RS-232 port can be used to control the KD-X222/X222PO.

Features:

- **HDBaseT via Single CAT5e/6 UTP/STP Extension:** With fully automatic adjustment of feedback, equalization, and amplification depending on cabling length
- **KD-X222PO:** Features power extension from Tx to Rx with Power Over HDBaseT, Rx unit does not require power supply
- **Signal Extension:**
- Up to 150 ft. @ 4K 24/25/30(4:4:4)/60(4:2:0) using KD-CAT6STP1X cabling
- Up to 125 ft. @ 4K 24/25/30(4:4:4)/60(4:2:0) using third-party CAT5e/6 UTP/STP cabling
- Up to 250 ft. @ 1080p / 1920x1200 using KD-CAT6STP1X cabling
- Up to 230 ft. @ 1080p / 1920x1200 using third-party CAT5e/6 cabling
- **HDCP 2.2:** Compliancy up to HDCP 2.2 and backward compliant
- **HDR10 (High Dynamic Range):** More life-like images through a greater range of luminance levels
- **4K/Ultra HD Resolution:** Support for 4096x2160 or 3840x2160 24/25/30Hz at 4:4:4/8 Bit or 60Hz at 4:2:0/8 Bit
- **Deep Color Support:** Up to UHD/4K 30Hz 4:2:2/12 bits or 60Hz 4:2:0/8 bit
- **3D:** Support for standard 3D stereoscopic signal formats
- **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.