CAT5e/6 Extenders of HDBaseT/HDMI

KD-X200ProK

HDBaseT/HDMI via Single CAT5e/6 (Tx+Rx Set) Extenders, with EDID Control, Hot Plug Control, Full Buffer System, IR Sensor, Up/Down IR or RS-232, support Ultra HD/4K & HDCP2.2

Key Features

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

› **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 UTP/STP cabling

› **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

› **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 3.5mm connector

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

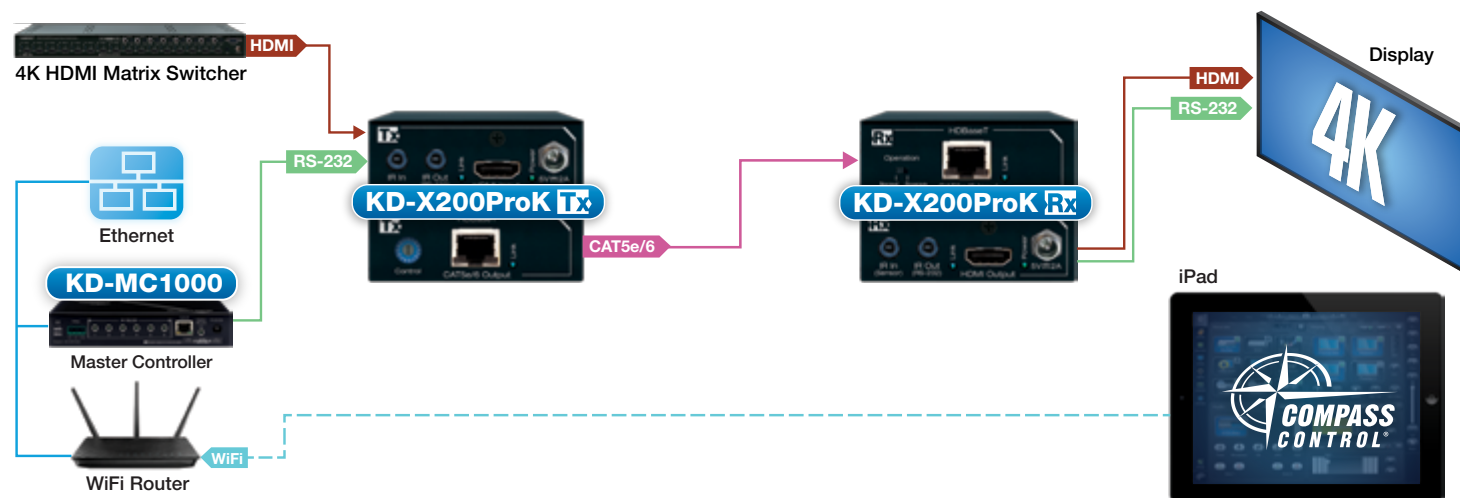› **3D:** Support for standard 3D stereoscopic signal formats

› **Deep Color Support:** 12bit Deep Color video / 8bit color for 4K/UHD

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

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

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

› **Control System Support:** Compatible with Compass Control®, AMX®, Control4®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.

Specifications

» Inputs Tx (Each): 1 HDMI, 1 IR In
» Outputs Tx (Each): 1 CAT5e/6 UTP/STP, 1 IR Out /RS-232 Bi-Directional
» Inputs Rx (Each): 1 CAT5e/6 UTP/STP, 1 IR In
» Outputs Rx (Each): 1 HDMI, 1 IR Out /RS-232 Bi-Directional
» Regulation: CE, RoHS, WEEE
» Enclosure: Black Metal
» Product (Each): 4.125" x 2.625" x 0.875", Weight: 0.5 lbs
» Shipping Carton: 6.9" x 3.9" x 3", Weight: 2 lbs
» Power Supply: (2) KD-PS5V2ASC, 5V/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 KD-CAT6STP1X STP cabling, especially in hostile electrical environments. The shield of CAT6STP 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.