HDMI/VGA Switcher/Scaler and HDBaseT Extender

KD-SX440WP

4K 2x1 HDMI/VGA Wall-Plate Switcher, Scaler & Extender with HDBT Output.
(Includes KIT Wall-Plate Tx/Rx 4K/70meters 1080P/100meters)

Key Features

› **4K Support:** Supports signals up to 4096x2160 60Hz [4:2:0] 8bit, 4096x2160 30Hz [4:2:2] 12bit, and 4096x2160 30Hz [4:4:4] 8bit
› **Presentation Switching:** 1 HDMI and 1 VGA + Audio source to 1 HDBaseT/HDMI output
› **Auto Switching:** Newly connected source is discreetly selected
› **Converts:** VGA video and analog audio to HDMI
› **Video Scaling:** Processing of VGA signals ensures proper display
   » Aspect ratio / Resolution adjust
   » Image shift / stretch
› **Signal Extension:** For resolution and cable quality
   » **4K/UHD:** Up to 230 ft. (70m) using CAT5e/6
              Up to 328 ft. (100m) using CAT6A STP / CAT7
   » **1080p:** Up to 328 ft. (100m) maximum
› **HDR10 (High Dynamic Range):** More life-like images through a greater range of luminance levels
› **HDCP 2.2:** Compliancy up to HDCP 2.2 and backward compliant
› **Power Over HDBaseT:** Wall-plate (Tx) unit powered by Rx unit
› **Installation:** Tx unit designed for installation in standard US dual-gang box
› **Bandwidth:** TMDS bandwidth 10.2 Gbps
› **Deep Color Support:** Up to UHD/4K 30Hz 4:2:2/12 bits or 60Hz 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
› **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID Control handshake, and Hot Plug control
› **RS-232:** Bi-Directional control to/from Tx and Rx unit

› **IR Sensor:** Wall-plate collects line-of-sight IR from remote(s) without external IR wiring
› **Unit Control Mode:** Provides RS-232 control and status of/from Tx unit
› **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® Pro, AMX®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.

Specifications

» Regulation: CE, RoHS, WEEE, EAC
» Enclosure: Tx unit: Brushed aluminum face with black metal backing
                Rx unit: Black metal
» KD-SX440WPTx: 3.21" x 2.06" x 0.787" (Wall-plate), Weight: 0.7 lbs
» KD-SX440Rx: 5.07" x 4.08" x 0.787", Weight: 0.4 lbs
» KD-SX440Rx Power: 24V/1.25A (30W) Power Supply
» Accessories: 24V 1.67A DC power supply (qty 1), Aluminum decora plate (qty 1), Decora mounting screws with flat head (qty 4), Gang-box mounting screws (qty 4), Mounting bracket (qty 2), IR Emitter (qty 1), 3-pin phoenix terminal (qty 2)

System Design Example