

KD-Pro8x8D

8x8 4K HDBaseT/HDMI/POH Matrix Switcher, Integrated Audio, DSP/De-embedding of Analog L/R Balanced/Unbalanced, Digital Coaxial Audio, ARC. (Includes 8 Rx Extenders: 6 Standard Range & 2 Long Range)

Key Features

- ▶ **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
- ▶ **Bandwidth:** 10.2Gbps supports UHD/4K resolutions with HDR via EDID handshaking
- ▶ **Simultaneously Active:** 8 HDBaseT (CAT5e/6 RJ45) and 8 HDMI outputs with fully automatic CAT5e/6 cable equalization. Supports up to 16 displays (8 mirrored)
- ▶ **HDBaseT Rx Included:** 8 total Rx extenders integrate with built-in HDBaseT Tx output ports: (6) Standard Range KD-X88SHRx, (2) Long Range KD-X88LGRx
- ▶ **Signal Extension via KD-X88SHRx:**
 - » Up to 125 feet @ 4K/Ultra HD;
 - » Up to 200 feet @ 1080p/60/24, 1080i, 720p
- ▶ **Signal Extension via KD-X88LGRx:**
 - » Up to 300 feet @ 4K/Ultra HD;
 - » Up to 500 feet @ 1080p/60/24, 1080i, 720p
- ▶ **HDR (High Dynamic Range):** More life-like images through a greater range of luminance levels
- ▶ **HDCP 2.2 and HDMI Licensing:** Fully licensed and compatible with HDCP 2.2 and HDMI latest technologies
- ▶ **Deep Color Support:** Up to 12 bits/color
- ▶ **Audio Return Channel:** Audio may be returned from display to respective audio output
- ▶ **Audio De-Embedding:** Audio from the selected HDMI input may be de-embedded through the Coax digital (PCM) and analog L/R balanced/unbalanced output
- ▶ **Audio DSP:** Variable level settings for volume, muting, 3-band EQ, balance, and lip-sync delay per output
- ▶ **Full Buffer™ Technology:** Full buffering of HDCP and EDID, for the fastest possible switching and viewing of any source/input to any display/output, regardless of multiple output viewing relation
- ▶ **EDID Control:** Internal library with 15 default EDID configurations for each input, in addition to native EDID data for any Output/Display
- ▶ **TMDS Re-clocking:** Support for long HDBaseT and HDMI runs and many layers of connectivity



- ▶ **Voltage Control:** Two dedicated 3-pin relays and any control I/O ports may be used as a voltage trigger
- ▶ **Lossless Compressed Digital Audio:** Dolby® TrueHD, Dolby® Digital Plus, Dolby® Atmos and DTS-HD Master Audio™
- ▶ **Control Routing:** Enables bi-directional IR/RS-232 control signal extension adding 36 ports to control system
- ▶ **Control Integration:** TCP/IP, RS-232, and USB with full bi-directional operation, front panel push buttons and LEDs, front/rear optical IR, serial IR
- ▶ **Control System Support:** Key Digital® App ready, Compass Control® Pro ready, KD-Wizard® ready. Fully controllable by all IR, RS-232, TCP/IP supported control systems via open API: AMX®, Crestron®, Control4®, KNX®, RTI®, Savant, URC®, Leviton® etc.
- ▶ **Key Digital® App Ready:** Scan & detect population for pre-built GUI and TCP/IP control via Key Digital® App

Specifications

- ▶ **Power:** Main KD-PS6V11A - 6V/11.6A (70W); KD-XSWRx - 12V/6.6A (80W)
- ▶ **Regulation:** CE, RoHS, WEEE
- ▶ **Rack Mount:** 2U, Full Rack Width (rack ears included)
- ▶ **Enclosure:** Black Metal
- ▶ **Product:** 17.3" x 6.6" x 3.46" Weight: 6.6 lb.
- ▶ **Packaging:** 18.9" x 10.7" x 8.6" Weight: 16.5 lb.

System Design Example

