

## KD-4x4CSA

4x4 4K HDMI Matrix Switcher, Audio De-embedding of Analog L/R Balanced/ Unbalanced & Digital Coaxial Audio, HDR, HDCP2.2

### Key Features

- **HDMI Matrix Switching:** 4 HDMI sources to 4 HDMI outputs
- **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
- **Audio De-Embedding:** Audio from the selected HDMI input is de-embedded through the Coax digital (PCM) or Analog L/R Balanced/Unbalanced
- **HDR (High Dynamic Range):** More life-like images through a greater range of luminance levels
- **HDMI and HDCP Licensing:** Fully licensed and compatible with HDCP 2.2 and HDMI latest technologies
- **Resolution Support:** Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA).
- **Deep Color Support:** Up to UHD/4K 30Hz 4:2:2/12 bits or 60Hz 4:2:0/8 bit
- **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake
- **EDID:** Internal library with 15 default EDID configurations for input, in addition to native EDID data for any Output/Display
- **TMDS re-clocking:** Support for long HDMI connectivity using Key Digital® HDMI cables
- **Lossless Compressed Digital Audio:** Dolby® TrueHD, Dolby® Digital Plus, DTS-HD Master Audio™, and Dolby Atmos
- **Control:** Front panel buttons/LEDs, Serial IR, Optical IR, RS-232 Control, and TCP/IP Control
- **Control System Support:** Key Digital® App ready. Compass Control® ready. Fully controllable by all IR, RS-232, and TCP/IP supported control systems via open API: AMX®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.



### Specifications

- **Input (Each):** 1 HDMI Connector, Type A, 19 Pin Female
- **Output (Each):** 1 HDMI Connector, Type A, 19 Pin Female; 6-Pin Terminal Block for Analog L/R Output; RCA Jack for Digital Audio Output [follows SPDIF format (IEC 60958 )]
- **Bandwidth:** TMDS bandwidth 10.2 Gb/s
- **DDC Signal (Data):** Input DDC Signal - 5 Volts p-p (TTL)
- **HDMI Video/Audio Signal:** Input Video Signal - 1.2 Volts p-p
- **Wired IR:** modulated IR signal input, 0-5V TTL or -10to +10V, 3.5mm mono female connector with signal on tip
- **Power Supply:** KD-PS12V2A - 12V/2A DC Power Supply, Screw-In Type Connector
- **Regulation:** CE, RoHS, WEEE
- **Rack Mount:** 1U, Full Rack Width (rack ears included)
- **Enclosure:** Black Metal
- **Product Dimensions:** 17.25" x 7.5" x 1.75"
- **Shipping Dimensions:** 21.25" x 13" x 3.5"
- **Product Weight:** 6.5 lb.
- **Shipping Weight:** 8 lb.

### System Design Example

