

## 4K/HDCP2.2 HDMI Matrix Switchers with Audio De-Embedding

# KD-4x4CSA

4 Inputs to 4 Outputs HDMI Matrix Switcher with Audio De-embedding of Analog L/R Balanced/Unbalanced & Digital Coaxial Audio, supports Ultra HD/4K & HDCP 2.2

### Key Features

- ▶ **HDMI Matrix Switching:** 4 HDMI sources to 4 HDMI outputs
- ▶ **Audio De-Embedding:** Audio from the selected HDMI input is de-embedded through the Coax digital (PCM) or Analog L/R Balanced/Unbalanced
- ▶ **Ultra HD/4K Support:** 4096x2160 or 3840x2160 30Hz at 4:4:4 and 60Hz at 4:2:0
- ▶ **HDCP Licensing:** Fully licensed and compatible with HDCP 2.2
- ▶ **HDR (High Dynamic Range):** More life-like images through a greater range of luminance levels
- ▶ **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
- ▶ **3D Ready:** Capability to pass 3D stereoscopic signal formats
- ▶ **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.



HDMI  
HIGH-DENSITY MULTIMEDIA INTERFACE

Ultra  
HD/4K  
HDCP  
2.2

### 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.

LIMITED  
10 YEAR  
WARRANTY

### System Design Example

