KEY DIGITAL APP READY

KD-4x4CSA

Product Link

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 Support:** 4096x2160 or 3840x2160 30Hz at 4:4:4 and 60Hz at 4:2:0
- **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.



HDMI

HDMI AUDIO DE-EMBEDDING | HDR HIGH DYNAMIC RANGE | HDCP 2.2 | Ultra HD 4K

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

