

# KD-VW4x4ProK

4K UHD 4x4 Video Wall Processor and Seamless Matrix Switcher, includes 4 Rx units. Features 5 Video Wall modes, independent AV routing, mirrored HDMI and UHDoTP outputs.



- ▶ **HDCP 2.2 Licensing:** Fully licensed and compatible with HDCP 2.2
- ▶ **Built-In Test Patterns:** 9 selectable test screens help expedite installation
- ▶ **IR Extension:** Extend IR via Rx units to control displays or collect IR from remote to control a source at matrix
- ▶ **Web UI:** Control AV routing and other basic functions from any web browser
- ▶ **Audio De-Embed:** 6 pin balanced / un-balanced and digital optical outputs
- ▶ **Dolby Digital® & DTS™ Audio:** Supports 2-channel and multi-channel surround formats up to 5.1 Dolby® / DTS™
- ▶ **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID handshake to source
- ▶ **EDID Management:** Internal library with 8 EDID AV handshakes per input, in addition to ability to copy from any connected display / output
- ▶ **TMDS Re-clocking:** Supports long HDMI connectivity using Key Digital® HDMI cables
- ▶ **Deep Color Support:** Up to 8 bits/color
- ▶ **Control:** Front panel buttons, IR, RS-232, TCP-IP and Web Control
- ▶ **Key Digital® App Ready:** Can be controlled over TCP/IP via Key Digital® App
- ▶ **Control System Support:** Key Digital® app ready. Key Digital Management Software™ Pro (KDMS™ Pro) ready, Compass Control® Pro ready. Fully controllable by all IR, RS-232, and TCP/IP supported control systems via open API.

## 4K VIDEO WALL MODES



### KEY FEATURES

- ▶ **Video Wall Processing:** Transform consumer and professional displays into a video wall with five video wall modes: 2x2, 4x1, 3x1, 2 sets of 2x1, 1x4
- ▶ **Seamless Switching:** Un-interrupted screen transitions during source selection
- ▶ **Built-In UHDoTP Tx with PoC:** 4 included KD-EXMLVRx units are powered by KD-VW4x4ProK
- ▶ **Dual Video Wall / Mirrored Outputs:** Simultaneously active HDMI + UHDoTP connections per output show same AV signal at same time for a total of 8 possible displays connected
- ▶ **Video Resolution:** Up to 3840 x 2160p 4:2:0 at 60fps supported on inputs & 3840 x 2160p 4:4:4 at 30fps supported on outputs
- ▶ **Panel Flip:** Enables use of consumer displays by mounting top row upside down and conjoining narrow frame sides.
- ▶ **Bezel Compensation:** Create a fluid screen transition by removing pixels from top, bottom, left and right border independently
- ▶ **Video Resolution:** Up to 3840 x 2160p 4:2:0 at 60fps supported on inputs & 3840 x 2160p 4:4:4 at 30fps supported on outputs
- ▶ **Signal Extension over CAT:**
  - ▶ **4K/UHD:** Up to 35m (115ft) using CAT5e/6, up to 40m (131ft) using CAT6A STP
  - ▶ **1080p:** Up to 50m (164ft) using CAT5e/6, up to 60m (197ft) using CAT6A STP
  - ▶ **Minimum:** 5m (17ft) CAT5e/6 cable length required for all resolutions
- ▶ **Bezel Control:** Create a fluid screen transition by removing pixels from top, bottom, left, and right border independently
- ▶ **Text Overlay:** Assigned name of each source may be displayed in each window. 16 Characters maximum with variable sizing and location settings.
- ▶ **4K Down-Convert:** Integrate 4K sources with legacy 1080p & 720p displays



### SYSTEM DESIGN EXAMPLE

