

KD-MLV4x4Pro

4x4 4K UHD HDMI seamless matrix with multi-view tiling, includes 4 Rx units. Features independent AV routing, mirrored HDMI and UHDoTP outputs.



KEY FEATURES

- **Multi-view Tiling Processor:** Simultaneously watch multiple sources on a single screen
 - **Full-Screen Mode:** View full-screen content on any display
 - **Multi-View Mode:** Choose from 5 default layouts or create custom presets. The active multi-view layout is distributed to any display currently in multi-view mode
- **Seamless Switching:** Un-interrupted screen transitions during source selection while in full-screen mode
- **Built-In UHDoTP Tx with PoC:** 4 included KD-EXMLVRx units are powered by KD-MLV4x4Pro
- **Mirrored Outputs:** Simultaneously active HDMI + UHDoTP connections per output show same AV signal at same time for a total of 8 possible displays connected
- **Independent Audio Matrix:** Audio output ports may be routed separately from HDMI & UHDoTP ports. Audio from any source may be selected while in multi-view mode.
- **Video Resolution:** Up to 3840 x 2160p 4:2:0 at 60fps supported on inputs & 3840 x 2160p 4:4:4 at 30fps on outputs
- **Signal Extension:** For resolution and cable quality
 - **4K/UHD:** Up to 35m (115ft) using CAT5e/6, up to 40m (131ft) using CAT6A STP
 - **1080p:** Up to 50m (164ft) maximum, up to 60m (197ft) using CAT6A STP
 - **Minimum:** 5m (17ft) CAT5e/6 cable length required for all resolutions
- **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
- **Image Layering:** Stack images with customizable priority settings per output
- **Custom Layouts and Borders:** Create custom window layouts and choose window bezel width and coloring
- **HDCP 2.2 Licensing:** Fully licensed and compatible with HDCP 2.2

- **Built-In Test Patterns:** 9 selectable test screens help expedite installation
- **IR Two-Way:** 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 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.
- **Regulation:** CE, RoHS, WEEE, EAC



SYSTEM EXAMPLE

