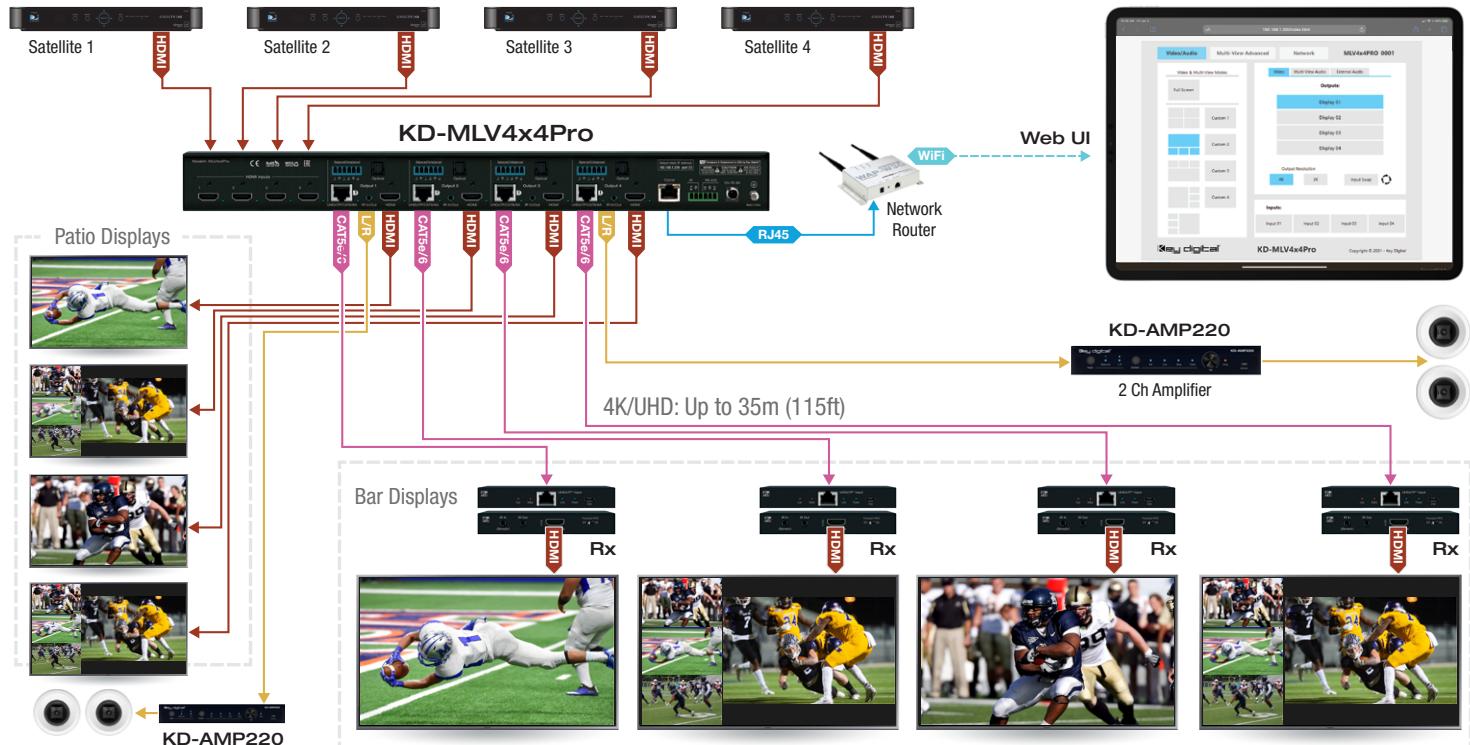# KD-MLV4x4Pro

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

x4   HDMI   4K   UHDoTP

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

4K MULTI-VIEW MODES

- › **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