

Key Digital KD-MLV4x2Pro 4x2 4K POH/HDBaseT/HDMI/VGA Multi-View Seamless Presentation Matrix Switcher

Key Digital's KD-MLV4x2Pro is a seamless multi-format video matrix with UHD/ 4K resolution up-scaling, multi-view window processing, audio de-embedding, independent audio from video matrix selection, and HDCP 2.2 compliancy. The HDMI and HDBaseT output are independent in full-screen and quad screen modes. KD-X222PO Rx HDBaseT extender receiver is included and powered from the matrix.

KD-MLV4x2Pro is designed to fit a wide variety of professional video installation and liveevent needs. It is ideal for digital signage, video wall, conference & board room, huddle spaces, home theater, and bar/restaurant applications.

Features:

Multi-view Window Processing: Create & store custom multi-view layouts, recall custom presets in 1080p (2K) Multi-view mode

- **Quadrant Mode (4K or 2K):** Independent outputs in four equally-sized windows
- **Multi-view Mode (2K):** Linked/mirrored outputs in customized screen layout
- **Seamless Switching:** Un-interrupted screen transitions during source selections
- **Independent matrix switching:** In full-screen and quadrant modes, linked/mirrored in multi-view mode
- **Image Layering:** Stack images with customizable priority settings
- **Window Transparency and Border:** View content through each other and choose window bezel width and coloring

Multi-format Switch:

- **Input:** 2 HDMI, 2 HDMI or Analog video, all with external audio
- **Output:** 1 HDMI and 1 HDBaseT output. Rx unit included
- **HDBaseT Built-In:** Included KD-X222PORx unit is powered by at KD- MLV4x2Pro

Signal Extension:

- Up to 200 feet @ 1080p/60, 1080p/24, 1080i, 720p with third-party CAT5e/6
- Up to 125 feet @ 4096x2160 30Hz [4:4:4] 8bit with third-party CAT5e/6
- **Ultra HD/4K Up-scaling:** Outputs independently upscale to 4096x2160 30Hz [4:4:4] 8bit in 4K Quadrant mode
- **HDCP 2.2 Licensing:** Fully licensed and compatible with HDCP 2.2
- **Resolution Support:** Supports SD, HD, and VESA input resolutions up to 1080p / 1920x1200 on HDMI and analog video Inputs. Outputs fixed to 1080p or 4K
- **Web Control Interface:** Reduces installation time and provides basic and advanced video and audio setup
- **Audio De-Embed:** Audio from the selected input is be de- embedded through the Coax digital (PCM) output in addition to the HDMI output
- **Dolby Digital & DTS Audio:** Supports 2-channel and multi-channel audio formats up to 5.1 Dolby® / DTS™ lossless compressed digital surround sound
- **Independent Video & Audio:** Listen to any audio source while in quadrant or multi-view modes
- **Analog to Digital Video Conversion:** Analog video input ports support VGA / DB15 or Component / YPbPr signal types
- **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake
- **EDID:** Internal library with 5 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
- **Deep Color Support:** Up to 12 bits/color
- **Control:** Front panel buttons, IR, RS-232, TCP-IP and Web Control
- **Control System Support:** Compatible with Compass Control®, AMX®, Control4®, Crestron®, KNX®, RTI®, Savant, URC®, Honeywell®, HAI®, Leviton®, etc.
- **Key Digital® App Ready:** Can be controlled over TCP/IP via Key Digital® App