

# KD-VW4x4Pro4K

4K Video Wall Matrix AV over IP Kit. Includes 4 Encoders (1x KD-IP922ENC & 3x KD-IP822ENC), 4 Decoders (4x KD-IP822DEC), Pre-Configured Network Switch, and a Mounting Shelf. KD-App & Compass Control™ Pro Ready.

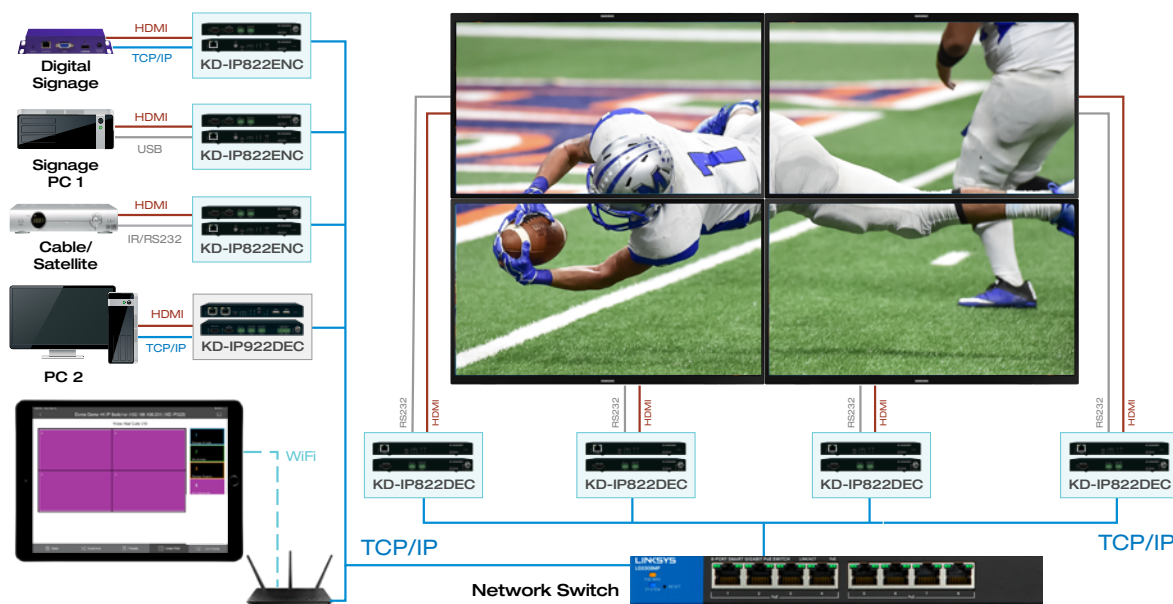


## KEY FEATURES

- **AV Over IP:** Utilizes a managed gigabit network switch to enable video distribution, matrix switching, and extension
- **Kit Includes:** 1x KD-IP922ENC, 3x KD-IP822ENC, 4x KD-IP822DEC, 1x Linksys LGS308MP, 1x KD-SMS16 Mounting Shelf, Pre-installed CAT6A patch cables. All units are pre-configured and mounted on rack shelf.
- **Video Wall Processing:** Transform consumer or professional displays into a video wall with any video source viewed across multiple displays.
- **Matrix Switching:** Four sources may be viewed on any display in any combination
- **Bezel Control:** Auto or manual settings create a fluid screen transition by removing pixels from top, bottom, left, and right border independently
- **Panel Flip:** Top row displays may be installed upside down to conjoin thin bezel edges of consumer displays for fluid screen transitions
- **WiFi Connection Port:** Dual LAN port of included KD-IP922ENC enables connection of WiFi router or access points for ease of control from KD-App or control system.
- **Audio De-Embedding:** Audio from the HDMI input of included KD-IP922ENC is de-embedded through Analog L/R Balanced/Unbalanced phoenix terminal to enable external audio connectivity with audio distribution systems and amplifiers
- **Audio Pre-Amp:** Volume, muting, 3-band EQ, and lip-sync delay controllable on audio de-embed port of included KD-IP922ENC
- **4K Down-Scale:** Incoming 4K resolution can be down-converted to 1080p at each decoder, enabling monitors to display content at optimal resolution at all times
- **HDR (High Dynamic Range):** HDR is achieved with AppleTV source at 4K/30 [4:2:2] 12bit deep color, enabling more life-like images through a greater range of luminance levels
- **4K/Ultra HD Resolution:** Support for 4096x2160 or 3840x2160 24/25/30Hz at 4:4:4/8 Bit or 60Hz at 4:2:0/8 Bit (10.2Gbps max bandwidth)
- **HDCP 2.2:** Compliancy up to HDCP 2.2 and backward compliant

- **HDMI Pass-Through:** Enables connection to local monitor or additional devices up to 75 ft.
- **Power over Ethernet:** Encoders and Decoders powered by included pre-configured PoE network switch
- **Redundant Power Supply:** Added reliability for non-PoE integration
- **Control:** Multi-function ports controllable via KeyCode open API, as Compass Control® Pro master controller, or as control extension via IP
- **Data Stream Bandwidth:** < 900Mbps
- **Latency:** <40ms at 4K. Less at lower resolution.
- **EDID Control:** Internal library features 15 default EDID configurations and native EDID data from Output/Display devices connected to Decoder
- **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected input devices
- **Full Buffer System:** Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID Control handshake, and Hot Plug control
- **TMDS re-clocking:** Support for long CAT6 or HDMI connections and many layers of connectivity.
- **Key Digital® App Ready:** Can be controlled over TCP/IP via Key Digital® iOS App
- **Compass Control® Pro Inside:** Built-in Compass Control® Pro master controller.
  - » KD-ProCL1/2/4/8 Software Activation License sold separately. Required to activate iOS controllers.

## SYSTEM DESIGN EXAMPLE



## Video Wall Configurations

