AV Over IP Solutions

Key Digital's AV over IP solutions create expandable HDMI over IP systems that can be scaled to fit any commercial installation.

KD-IP822DEC

4K UHD AV over IP Decoder, PoE, 2x IR/RS-232 control ports

KEY FEATURES

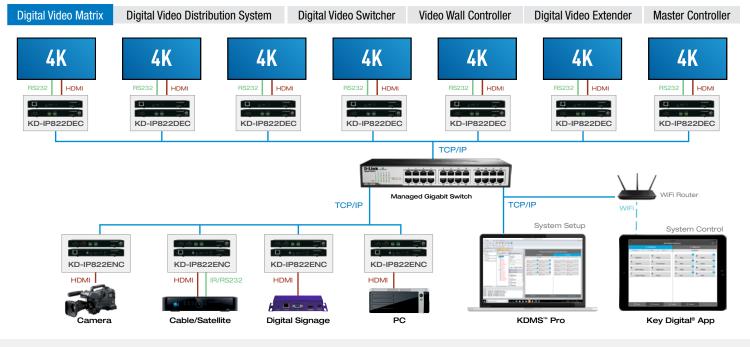
- AV over IP: Utilizes a managed gigabit network switch to enable video distribution, matrix switching, and extension
- > Inter-System Compatibility: Fully compatible with KD-IP922ENC and DEC systems
- Video Wall Processing: Encoder + Decoder systems create video walls with up to 16x16, 256 total maximum displays.
- Control: 2 multi-function ports may be used as third-party control interface, Compass Control[®] Pro master controller, control extension via IP, or callable via KeyCode open API
- > Key Digital[®] App Ready: Network scan & detect populates pre-built GUI including image preview
- > HDCP 2.2: Compliancy up to HDCP 2.2 and backward compliant
- 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
- > 4K Down-scale: Incoming 4K resolution can be down-converted to 1080p or 720p at each decoder, enabling monitors to display content at optimal resolution at all times
- Signal Extension: Up to 330 ft. / 100 m @ 4K 24/25/30(4:4:4)/60(4:2:0) into network switch or or point-to-point
- Power over Ethernet: Does not require power supply when integrated with compatible PoE network switch
- > Redundant Power Connection: Added reliability for non-PoE integration. Power supply sold separately
- > Data Stream Bandwidth: < 900Mbps / Latency: <40ms at 4K
- Installation: Use KD-SMS16 to cleanly install up to twelve KD-IP822ENC/DEC units in rack
- HDMI® and HDCP Licensing: Fully licensed and compatible with HDCP 2.2 and HDMI latest technology such as 4K/UHD 4:2:0/8bit at 60 f/s
- > 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
- IR Sensor: Sensor powering via +5V IR In port collects line-of-sight IR from remote(s) without external IR connecting block
- Up/Down IR: Two channels of IR enable control to/from devices connected to Encoder and Decoder units
- > RS-232: Bi-Directional control to/from Encoder and Decoder unit on Phoenix connector
- > RS-232/TCP-IP Control Mode: Provides control of unit as well as connectivity status
- Lossless compressed digital audio: Support for Dolby[®] TrueHD, Dolby[®] Digital Plus, Dolby Atmos[®], and DTS-HD Master Audio[™]
- > Control System Support: Fully controllable by all IR, RS-232, and TCP/IP supported control systems via open API. Key Digital[®] iOS App / Key Digital Management Software[™] Pro (KDMS[™] Pro) / Compass Control[®] Pro ready.
- > Compass Control[®] Pro Inside: Built-in 3 port Compass Control[®] Pro master controller.
 - » KD-ProCL1/2/4/8 Software Activation License sold separately. Required to activate iOS controllers.

SPECIFICATIONS

- » Regulation: CE, RoHS, WEEE, EAC
- » Enclosure: Black Metal
- » Product (Each): 7.5" x 5.59" x 0.85", Weight: 0.7 lbs





KEY DIGITAL*



MANAGEMENT SOFT