### Enterprise AV<sup>™</sup> Over IP Solutions

Key Digital's Enterprise AV<sup>™</sup> over IP Encoders and Decoders create expandable HDMI over IP systems that can be scaled to fit any commercial installation.

## KEY DIGITAL APP READY

HDCP

2.2

DECODER≥

e e

Ultra HD

**4**K

# KD-IP922DEC

Enterprise AV<sup>™</sup> over IP Decoder, supports 4K, 2 PoE ports LAN Switch, Local HDMI Switching, Audio De-Embedding, Video Wall Processing, KVM/USB



#### **Key Features**

- Enterprise AV Over IP: Utilizes a managed gigabit network switch to enable video distribution, matrix switching, and extension. <u>Visit product page for Usage Modes</u>.
- Video Wall Processing: Encoder + Decoder systems create video walls with up to 10V and 10H monitors
- > 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
- Signal Extension: Up to 330 ft. / 100 m @ 4K 24/25/30(4:4:4)/60(4:2:0) into network switch or point to point
- Power over Ethernet: Does not require power supply when integrated with compatible PoE network switch
- > Dual LAN: Enable system expansion beyond a 48 port system
- > Redundant Power Supply: Added reliability for non-PoE integration
- Audio De-Embedding: Audio from the HDMI input is de-embedded through Analog L/R Balanced/Unbalanced phoenix terminal to enable external audio connectivity with audio distribution systems and amplifiers
- Audio DSP: Volume, muting, 3-band EQ, and lip-sync delay controllable on audio de-embed port
- > HDMI<sup>®</sup> and HDCP Licensing: Fully licensed and compatible with HDCP 2.2 and HDMI latest technology such as 4K/UHD 4:2:0/8bit at 60f/s
- Control: 3 multi-function ports controllable via KeyCode open API, as Compass Control<sup>®</sup> master controller, or as control extension via IP
- > EDID Control: Internal library features 15 default EDID configurations and native EDID data from Output/Display devices

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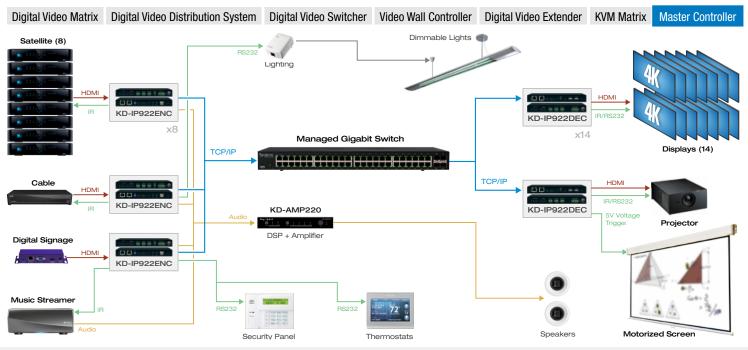
- > Hot Plug Detection Control: Enables integrator to choose if active signal voltage is forced to connected input devices
- > Full Buffer System<sup>™</sup>: Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID Control handshake, and Hot Plug control
- > Local HDMI Input: Enables viewing of local or distributed HDMI source
- > Dual USB 2.0 Ports: Supports synchronous and isochronous connections
- IR Sensor: Sensor powering via +5V on 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<sup>®</sup> TrueHD, Dolby<sup>®</sup> Digital Plus, Dolby Atmos<sup>®</sup>, and DTS-HD Master Audio<sup>™</sup>
- I2C Communication: EDID and HDCP authentication to Display and Source
- Control System Support: Controllable by all IR, RS-232 & TCP/IP supported control systems via open API: Compass Control® Pro, AMX®, Control4®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.

» Enclosure: Black Metal

- > Key Digital<sup>®</sup> App Ready: Can be controlled over TCP/IP via Key Digital<sup>®</sup> iOS App
- > Data Stream Bandwidth: < 900Mbps
- > Latency: <40ms at 4K. Less at lower resolution.

### Specifications

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



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