

Enterprise AV™ Over IP Solutions

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



KD-IP1080Tx

Enterprise AV over IP with POE (Tx) Transmitter with Redundant Power Connection, supports HDMI Pass-through



KD-IP1080Rx

Enterprise AV over IP with POE (Rx) Receiver with Redundant Power Connection



Key Features

- ▶ **Connectivity:** Can be connected through a network IP switch or point-to-point
- ▶ **H.264 Compression:** Ideal standard for large video distribution applications
- ▶ **Low-bandwidth System:** Supports managed 100BaseT or Gigabit network switches
- ▶ **Power Over Ethernet:** Carry power to Tx and Rx units with a Power Over Ethernet enabled Smart Managed Switch
- ▶ **Custom System:** Add Tx and Rx extenders to an existing system to expand it up to 1024 Tx units and unlimited amount of Rx units
- ▶ **Signal Extension:** Up to 400 ft. @ 1080p@60 (2.25Gbps) using CAT5e/6 UTP/STP cable
- ▶ **Web Control Interface:** Reduces installation time and provides basic video setup.
- ▶ **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake
- ▶ **Resolution Support:** Supports up to 1080p@60 (2.25Gbps) and compatible with DVI1.0/HDMI/HDCP1.x
- ▶ **HDMI Pass-through:** Tx unit support HDMI Pass-through to receive video or extract audio on the transmit side
- ▶ **Redundant Power Supply:** Added reliability and for non-PoE integration
- ▶ **Audio Format:** Supports 2ch PCM at 44.1/48kHz
- ▶ **AV Bitrate:** Supports Stream Bitrate up to 15Mbps.
- ▶ **EDID:** EDID libraries readily available to provide the best setup per source

- ▶ **Deep Color Support:** Up to 12 bits/color
- ▶ **TMDS re-clocking:** Support for long HDMI runs using Key Digital® HDMI cables
- ▶ **Licensing:** Fully licensed and compatible with all HDMI and HDCP technologies
- ▶ **Control:** UDP and Web Browser Control through PC. Control System via Compass Control MC gateway.
- ▶ **Major Control System Support:** Compass Control® Pro, AMX®, Control4®, Crestron®, Extron, Leviton®, RTI®, Savant, URC®, etc.
- ▶ **Key Digital® App Ready:** Can be controlled over TCP/IP via Key Digital® iOS App
- ▶ **Source/Display Control:** Integrate with KD-CX800 to add 3 IR, RS-232 or Trigger ports

Specifications

- ▶ Tx Input: 1 HDMI Connector, Type A, 19 Pin Female
- ▶ Tx Output: 1 HDMI Connector, Type A, 19 Pin Female; 1 CAT5e/6 on RJ45
- ▶ Rx Input: 1 CAT5e/6 on RJ45
- ▶ Tx Output: 1 HDMI Connector, Type A, 19 Pin Female
- ▶ POE Power Consumption: ≤ 6 watts per unit
- ▶ Regulation: CE, RoHS, WEEE
- ▶ Enclosure: Black Metal
- ▶ Rack Mount: 3U with KD-RK120PLT bracket (sold separately)
- ▶ Product (Each): 4.74" x 3.11" x 1.16", Weight: 0.6 lbs
- ▶ Packaging: 6.2" x 4.2" x 3.7"; Weight 2 lbs

Enterprise AV™ Over IP System

