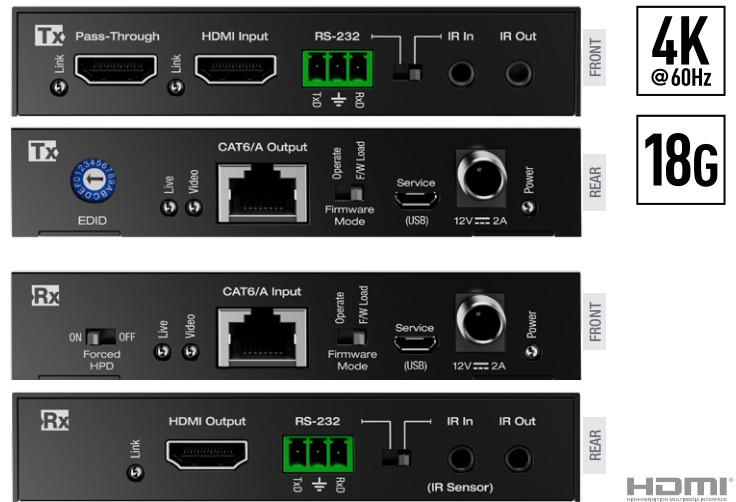


## KD-X444LP

4K 18G HDMI over 70m (230ft) CAT5e/6 Extender Set with Power over CAT, HDMI Pass Thru, IR, RS-232

### KEY FEATURES

- **Single CAT5e/6 UTP/STP Extension:** Fully automatic equalization, and amplification depending on cabling length
- **4K Resolution Support:** 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)
- **Flexible Power over CAT (PoC):** Only one power supply needed. Connect at Tx or Rx unit.
- **Visually Lossless Compression:** 18G enabling technology applied to all video formats exceeding 10.2Gbps to accommodate transmission channel
- **Low Profile:** Super slim chassis design
- **Signal Extension:** For resolution and cable quality
  - » 4K/UHD (18G) with CAT5e/6: Up to 230ft / 70m
  - » 4K/UHD (18G) with CAT6A STP: Up to 328ft / 100m
  - » 1080p with CAT5e/6: Up to 230 ft / 70m
  - » 1080p with CAT6A: Up to 328ft / 100m
- **10G Pass-thru:** Mode enables uncompressed 10.2Gbps signal extension.
- **HDR10 (High Dynamic Range):** More life-like images through a greater range of luminance levels
- **HDCP 2.2:** Compliancy up to HDCP 2.x and backward compliant
- **Deep Color Support:** Up to UHD/4K 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit
- **IR Sensor:** Sensor powering via +5V on IR In ports 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 or control systems connected to Tx and Rx units
- **RS-232:** Bi-Directional control to/from Tx and Rx unit on Phoenix connector
- **Full Buffer Technology:** Key Digital's proprietary suite of EDID, HDCP, TMDS, and HPD management to overcome Pro AV installation obstacles
- **EDID Management:** Internal library with 14 internal EDID handshakes including 4K with HDR in addition to native EDID data copied from CAT5e/6 or HDMI pass-thru outputs
- **HDCP Authentication:** HDCP sources are authenticated by HDCP key on transmit unit, for one-to-one topology



**4K**  
@ 60Hz

**18G**



- **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected display/output device
- **TMDS Re-Clocking:** Re-generation of TMDS (AV signal) channel data at Transmit unit for brand new AV signal
- **Surround Audio Support:** on HDMI pass-thru and UHDoTP outputs:
  - » **HDMI Pass-Thru:** Supports Dolby®, Dolby® TrueHD, DTS™ and DTS-HD™ (formats up to 7.1)
  - » **CAT5e/6 Output:** Supports Dolby®, DTS™ (formats up to 5.1/6.1)

### SPECIFICATIONS

- » Regulation: CE, RoHS, WEEE, EAC
- » Enclosure: Black Metal
- » Product Dimensions (ea) (LxWxH): 4.3" x 4.12" x 0.82" (109.2 x 104.6 x 20.8mm)
- » Product Weight (ea): 0.595 lbs (0.27 KG)
- » Package Dimensions (LxWxH): 10.24" x 5.67" x 3.15" (260 x 144 x 80mm)
- » Package Weight: 2.34 lbs (1.06 KG)

### SYSTEM DESIGN EXAMPLE

