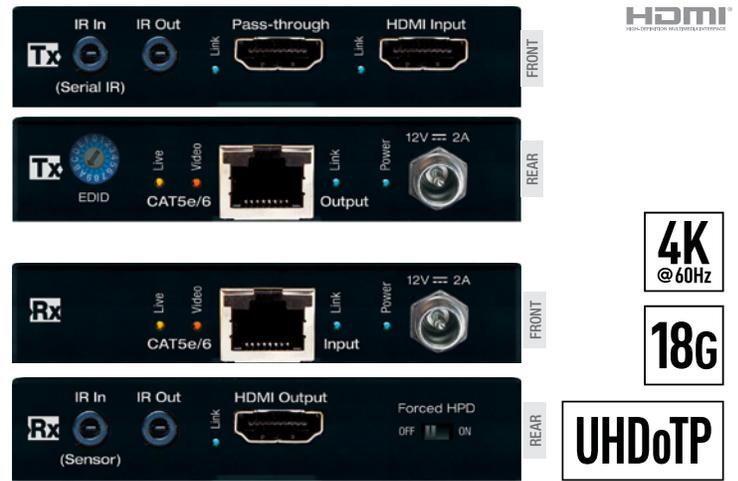


KD-EX18G

4K UHD@TP with HDR HDMI Extender Tx + Rx Kit.
 Extends 4K 18G to 35m (115ft), 1080p to 50m (164ft).
 4K to 1080p Down Convert, HDMI Pass Thru, Power over CAT,
 2 Way IR, Handshake Control, Forced HPD

KEY FEATURES

- ▶ **UHD@TP via Single CAT5e/6 UTP/STP Extension:** With fully automatic adjustment of feedback, 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)
- ▶ **Visually Lossless Compression:** 18G enabling technology applied to all video formats exceeding 10.2Gbps to accommodate UHD@TP transmission channel
- ▶ **4K to 1080p Down Convert:** Optional resolution conversion applied at UHD@TP output provides added integration options in retrofit installations as well as added distance performance
- ▶ **10G Pass-thru:** Mode enables uncompressed 10.2Gbps signal extension
- ▶ **Flexible Power over CAT (PoC):** Only one power connection needed. Tx may power Rx, or Rx may power Tx.
- ▶ **Low Profile:** Slim chassis design
- ▶ **Signal Extension:** For resolution and cable quality
 - » **4K/UHD:** Up to 35m (115ft) using CAT5e/6, up to 40m (131ft) using CAT6A STP
 - » **1080p:** Up to 50m (164ft) maximum, up to 60m (197ft) using CAT6A STP
 - » **Minimum:** 5m (17ft) CAT5e/6 cable length required for all resolutions
- ▶ **HDR10 (High Dynamic Range):** More life-like images through a greater range of luminance levels
- ▶ **HDCP 2.2:** Compliancy up to HDCP 2.2 and backward compliant
- ▶ **Deep Color Support:** Up to UHD/4K 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit
- ▶ **EDID Control:** Internal library with 15 EDID handshakes including 4K with HDR in addition to native EDID data from Output/Display device connected to Rx
- ▶ **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected display/output device
- ▶ **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID handshake control, and Hot Plug Detection control



4K
@60Hz

18G

UHD@TP

- ▶ **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
- ▶ **HDMI Pass-Through:** Enables connection to local monitor or AV Receiver.
- ▶ **Surround Audio Support:** On HDMI pass-thru and UHD@TP outputs:
 - » **HDMI Pass-Thru:** Supports Dolby®, Dolby® TrueHD, DTS™ and DTS-HD™ (formats up to 7.1)
 - » **UHD@TP Output:** Supports Dolby®, DTS™ (formats up to 5.1/6.1)

SPECIFICATIONS

- ▶ Bandwidth: TMDS bandwidth 18Gbps
- ▶ HDMI Connector: Type A, 19 Pin Female
- ▶ RJ45 Connector: Shielded Link Connector, UHD@TP
- ▶ IR In & Out Connectors (Each): 3.5mm
- ▶ Power: (1) 12V/2A, 24W DC Power Supply (Screw-In Type). 100-240VAC, 50-60Hz. Interchangeable transformer plug with screw-in connector. SKU: KD-PS12V2ASC
- ▶ Regulation: CE, RoHS, WEEE, EAC
- ▶ Enclosure: Black Metal
- ▶ Product (Each): 4.1" x 2.8" x 0.875", Weight: 0.75 lbs
- ▶ Accessories: 4x Mounting Brackets, 1x IR Emitter, 1x IR Sensor, 1x Power Supply

SYSTEM DESIGN EXAMPLE

