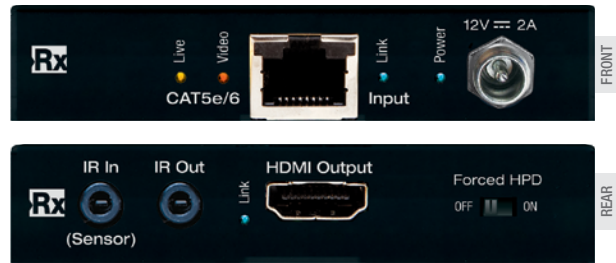


## KD-EX18GRx

4K 18G UHD@TP 35m Rx with Power over Cat, Two-Way IR, Forced Hot Plug Detection

### KEY FEATURES

- › **Tx Options:** Sold a-la-carte to integrate natively with KD-EXWPSTx wall-plate transmitter (sold separately). Future compatible Tx units will be available from Key Digital.
- › **4K to 1080p Down Convert:** Optional resolution conversion applied at UHD@TP. Transmitter output provides added integration options in retrofit installations as well as added distance performance
- › **Power over CAT (PoC):** KD-EX18GRx powers KD-EXWPSTx / KD-X2x1WVTx.
- › **Visually Lossless Compression:** 18G enabling technology applied to all video formats exceeding 10.2Gbps to accommodate UHD@TP transmission channel
- › **Ultra HD/4K:** Supports up to 4096x2160 or 3840x2160 24/25/30/60Hz at 4:4:4 (signals up to 18Gbps bandwidth)
- › **4K Support:** 4096x2160 or 3840x2160 24/25/30/60Hz at 4:4:4 (signals up to 18Gbps bandwidth)
- › **Low Profile:** Super slim chassis design
- › **Signal Extension:** For resolution and cable quality
- › **4K/UHD (18G):** Up to 35m / 115ft
- › **1080p:** Up to 50m / 164ft
- › **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 2.2 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
- › **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected display/output device
- › **Surround Audio:** Supports Dolby®, DTS™ (formats up to 5.1/6.1)



HDMI  
HIGH-CAT BETA2 MULTIMEDIA INTERFACE

### SPECIFICATIONS

- › Inputs Rx (Each): 1 UHD@TP, 1 IR
- › Outputs Rx (Each): 1 HDMI, 1 IR
- › Bandwidth: TMDS bandwidth 18Gbps
- › Deep Color Support: Digital video formats in Deep Color Mode up to 12 bits per color
- › DDC Communication: EDID and HDCP Bi-directional buffering from Display to Source
- › 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: 4.1" x 2.8" x 0.875", Weight: 0.75 lbs

### SYSTEM DESIGN EXAMPLE

