



Key digital®

HDMI over 70m CAT6 Extender Set

KD-X444LP

SKU: 178650 UPC: 815996022178

KD-X444LP is a 4K/UHD 18Gbps, HDCP2.2 compliant HDMI over CAT6 Transmitter plus Receiver set for extension of digital video signals with the latest standards in resolution, HDR, and Chroma over a single CAT cable. The Transmit unit features an HDMI pass-thru port for integration with local monitors or AV Receivers. In addition to HDMI AV, KD-X444LP carries IR or RS-232 for controlling remotely located equipment. An IR sensor and IR emitter are included, and the Tx unit's IR Input port supports Serial IR input directly from a control system / IR block. With Power over CAT (PoC), only one power supply is needed, and it may be connected at either unit for ease of installation. KD-X444LP features Key Digital's proprietary Full Buffer Technology software suite, with EDID handshake management, fixed hot plug detection, HDCP authentication to the connected source, and TMDS signal reclocking for installation with long cabling or many connectivity layers.

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 connection needed. Tx may power Rx, or Rx may power Tx
- **Low Profile:** Super slim chassis design
- **Signal Extension:** 4K/UHD (18G) up to 230ft / 70m with CAT5e/6, up to 328ft / 100m with CAT6A STP. 1080p up to 230 ft / 70m with CAT5e/6, up to 328ft / 100m with CAT6A STP
- **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
- **Surround Audio Support:** HDMI Pass-Thru supports Dolby, Dolby TrueHD, DTS and DTS-HD (formats up to 7.1); CAT6 Output supports Dolby, DTS (formats up to 5.1/6.1)

Inputs Tx (Each)	1 HDMI, 1 IR, 1 RS-232
Outputs Tx (Each)	1 CAT6/6A, 1 HDMI pass-through, 1 IR, 1 RS-232
Inputs Rx (Each)	1 UHDoTP, 1 IR, 1 RS-232
Outputs Rx (Each)	1 HDMI, 1 IR, 1 RS-232
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, Proprietary TMDS, IR, RS-232 extension technology
IR In & Out Connectors (Each)	3.5mm
RS-232 Connector	3-pin phoenix
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. <12W power consumption.