

HDBT/HDMI®/DVI via CAT6/STP Baluns with IR, RS-232 and Ethernet



KD-CATHD500

HDBT/HDMI/DVI via Single CAT6 STP (TX/RX) Baluns, support up to 400 ft. on 1080p/60 with IR, RS-232 & Ethernet



Key Features

- › KD-CATHD500 with KD-CAT6STP1X extends 1080p/60, 1920x1200, 3D, and 4K signals up to 400 ft. And up to 300 ft. using third-party CAT6/STP.
- › Auto-adjustment of feedback, equalization and amplification depending on the length of cabling used
- › Internal EDID Library features 10 default EDID configurations including native EDID data from any Output/Display
- › Features both Transmit and Receive IR, RS-232 and Ethernet for bi-directional control signals
- › Full support for 12-Bit Deep Color Video
- › Supports lossless compressed digital audio:
 - › Dolby® TrueHD, Dolby® Digital Plus and DTS™ -HD Master Audio

Key Benefits

- › HDMI/DVI, IR, RS-232 and Ethernet signals combined over a single CAT6/STP
- › HDMI pass-through port on Tx Balun connects additional devices up to 20 ft.
- › Daisy chaining of Tx and Rx units allow almost unlimited extending of HDMI/DVI, RS-232, IR and Ethernet signals
- › Support for HDBaseT® Technology



Advanced HDMI® Features

- › **3D** – Capability to pass 3D stereoscopic signal formats
- › **4K** – 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.

KD-CATHD500Rx

HDBT/HDMI/DVI via Single CAT6 STP (RX) Balun, support up to 400 ft. on 1080p/60 with IR, RS-232 & Ethernet

KD-CATHD500Rx sold independently to complement KD-HD8x8BT SKUs



Specifications

Technical:

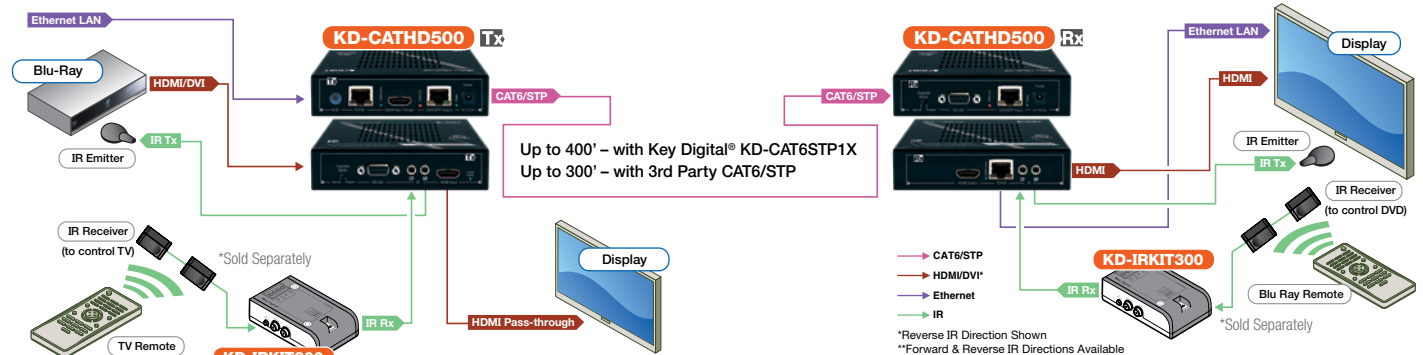
- › Inputs Tx (Each): 1 HDMI/DVI, 1 Serial IR Rx, 1 RS-232, 1 TCP/IP
- › Outputs Tx (Each): 1 CAT6 STP, 1 HDMI/DVI pass through, 1 Serial IR Tx
- › Inputs Rx (Each): 1 CAT6 STP, 1 Serial IR Rx
- › Outputs Rx (Each): 1 HDMI/DVI, 1 Serial IR Tx, 1 TCP/IP, 1 RS-232
- › **HDMI® and HDCP Licensing:** Fully licensed and compatible with all HDMI and HDCP technologies
- › Link and Range: 1080p/60, 1920x1200 up to 400 ft. when used with KD-CAT6STP1X cabling, 300 ft. when used with third-party CAT6/STP cabling.
- › **Lossless Compressed Digital Audio Support:** Dolby® TrueHD, Dolby® Digital Plus and DTS™ -HD Master Audio
- › DDC Signal (Data): Input DDC Signal: 5 Volts p-p (TTL)
- › HDMI Video/Audio Signal: Input Video Signal: 1.2 Volts p-p
- › HDMI Connector: Type A, 19 Pin Female
- › RJ45 Connector: Shielded Link Connector
- › Ethernet RJ45 Connector: Shielded TCP/IP 10/100 BaseT
- › IR Connector: 3.5 mm monaural mini jack
- › RS-232 Connector: D-Sub 9 Pin
- › I2C Communication: EDID and HDCP bi-directional transparency from Display to Source
- › CEC Support: To the main input and output HDMI channel. Does not support CEC for the pass-through HDMI output.

General

- › Regulation: CE, RoHS, WEEE
- › Power: UL Certified Power Supply – 5V / 2A, 110-240 VAC, 50-60 Hz
- › Power Consumption: Tx - 2.5 Watts, Rx - 5 Watts
- › Accessories: Mounting Bracket, Locking HDMI Cable Clip
- › Product Dimensions (Each): 6" x 4.1" x 1.2"
- › Shipping Carton Dimensions: 15.4" x 8.7" x 3.6"
- › Product Weight (Each): 1 lb
- › Shipping Weight: 3 lbs
- › Enclosure: Black Metal



System Design Example



*To connect DVI, use HDMI to DVI adapters. HD BaseT is registered trademark of HD BaseT Alliance. HDMI is a registered trademark of HDMI Licensing, LLC & HDMI.org