

HDMI Distribution Amplifiers

KD-HDMI2X4P

2 HDMI/DVI Inputs to 4 HDMI/DVI Outputs Distribution Amplifier



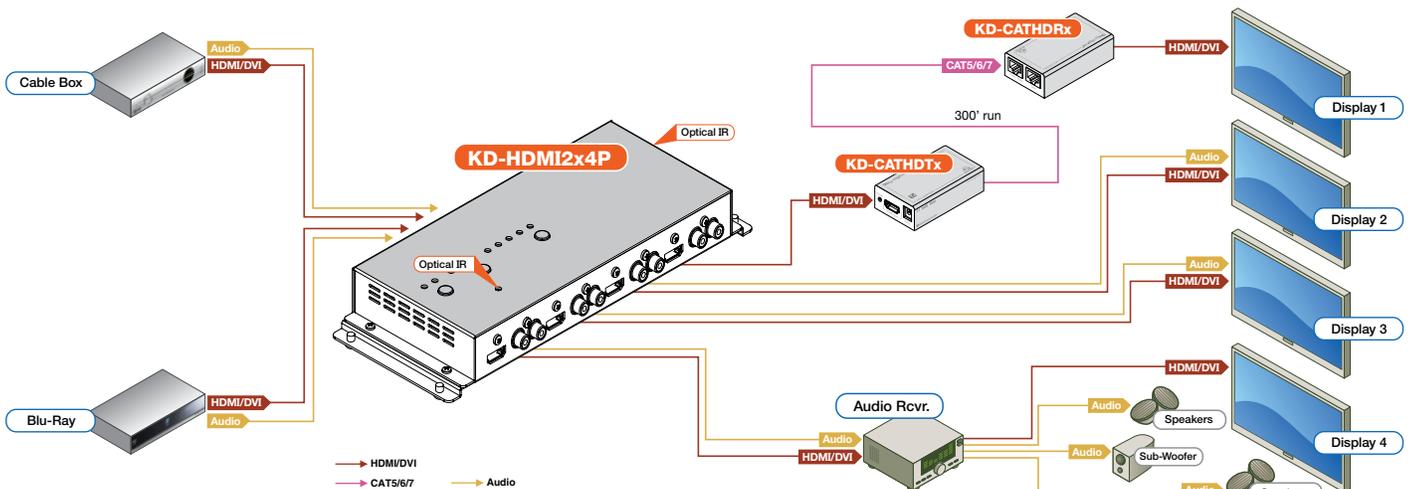
Key Features

- › Switches between two HDMI/DVI video sources with analog or digital (PCM, Optical, or HDMI) audio and distributes to all 4 outputs
- › Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
 - › SD & HD: 480i, 480p, 720p, 1080i, 1080p
 - › VESA / DVI: From 640x480p up to 1920x1200p
- › Flexible EDID (Handshake) Control for any output
- › Decodes HDMI digital audio into Coaxial PCM digital audio for output on white RCA Left PCM connector
- › Automatic sensing of signal presence and switching to active input

Key Benefits

- › Can be cascaded to support up to 100 outputs or displays
- › Default EDID for 1080i or 1080P systems (EDID Control™)
- › Able to separate audio from HDMI stream as well as convert optical (Toslink) digital audio sources to coaxial digital audio
- › Serial IR, Optical IR, Front Panel, Discrete Remote Codes, & RS-232 control. Supports major control systems such as AMX®, Colorado vNet®, Control4®, Crestron®, HomeLogic™, lifeIware™, RTI®, Savant, Universal®, Xantech®

System Design Example



Specifications

Technical:

- › Inputs: 2 HDMI connectors; Left and Right Stereo on two RCA connectors or one S/PDIF digital audio on RCA connector; 2 Toslink
- › Outputs: 4 HDMI connectors; Left and Right Stereo on two RCA connectors or one S/PDIF digital audio on RCA connector
- › Bandwidth: 10.2 Gb/s TMDS bandwidth
- › Control: Top panel push buttons and LED's, Infrared IR front and top, Wired IR, RS-232 Tx and Rx lines. Full bi-directional operation for RS-232 and wired IR.
- › Switching: One of two inputs is selected for distribution to all four outputs
- › Compliance with HDMI Standards: Compatible with HDMI1.2, HDMI1.1, DVI1.1 and HDCP. Compliant with HDMI 1.3
- › Link and Range: Single Link Range: 1080p/60, 1920x1200 max.
- › 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: HDMI Connector: Type A, 19 Pin Female
- › I2C Communication: EDID and HDCP Bi-directional Transparency from Display to Source. Individual HDCP authentication for each input and output.
- › EDID Control: Any of the active outputs connected via HDMI, or from internal library of 4 default EDID settings.
- › Power Source: 5 Volt DC @ 5 Amps, 110-240 VAC, 50-60 Hz

General

- › Regulation: CE, RoHS, WEEE
- › Rack Mount: Mounting Flanges
- › Enclosure: Black Metal
- › Product Dimensions: L = 10.38" W = 4.75" H = 1.5"
- › Shipping Carton Dimensions: L = 17" W = 5.5" H = 5"
- › Product Weight: 2 lb
- › Shipping Weight: 4 lbs
- › Accessories: IR Remote Control, UL Certified Power Supply