

HDMI/DVI CAT5 Matrix Switchers



KD-HDMS4X4

HDMI Matrix Switcher capable of switching up to 4 HDMI/DVI Video Sources/Inputs to 4 independent Zones/Outputs via HDMI and CAT5



Key Features

- Full switching of 6 independent matrixes: Video, Analog Audio, Digital Audio, HDMI Audio, Bi-Directional IR, and Bi-Directional RS-232 Control
- 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 / VGA (RGBHV): From 640x480p up to 1920x1200p
- Full support for HDCP, HDMI 1.3a/b, 12-bit Deep Color
- Supports lossless compressed digital audio (Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio)
- Internal EDID Library features 6 default EDID configurations, in addition to Native EDID data for any Output/Display

Key Benefits

- Transmits 1080p/60Hz up to 150 ft, 1080i and all lesser resolutions transmitted up to 270 ft, when used with KD-HDBBRX receiver Baluns
- Video, Audio, IR and RS-232 distribution via a single CAT5 cable
- Fully automatic CAT5 cable equalization
- 8 active outputs (4 HDMI/DVI and 4 CAT5) enables flexible integration
- Full Audio control per output for volume, treble, bass, balance, and lip-sync
- 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®

Specifications

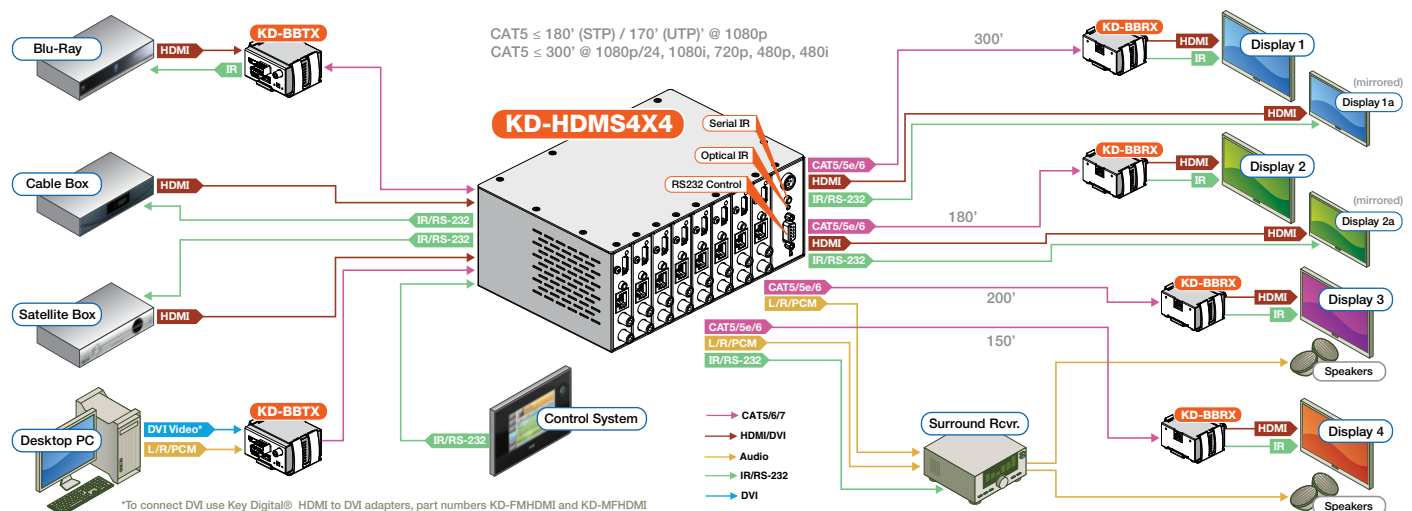
Technical:

- Input / Output (Each): 1 HDMI; 1 CAT5 on RJ-45 connector; Left and Right Stereo on two RCA, or one SPDIF digital audio on Left RCA connector; 1 wired IR or RS-232 on 3.5 mm stereo jack connector per input
- Configuration: 4 input sections and 4 output sections
- Bandwidth: TMDS bandwidth 10.2 Gb/s
- Control: Front panel push buttons and LED's; Infrared IR front; RS-232 Tx and Rx lines; Full bi-directional operation
- Video/Audio Matrix Switching: Full matrix switching for 4 independent matrixes: Video matrix; Analog Audio matrix; Digital Audio matrix; HDMI Audio matrix
- RS-232 Control Matrix: Full bi-directional RS-232 input/output can independently control the system or input/output through attached KD-HDBBRX or KD-HDWPRX Balun
- Wired IR Control Matrix: Each input/output section wired IR and unit wired IR can be switched into matrix in bi-directional operation to any of the inputs/outputs
- EQ adjustment: Precise auto-adjustment, distance measurement on Rx Balun or CAT5 Input.
- Link and Range: Single Link Range: 1080p/60, 10 bit color depth, 1920x1200 max. UTP 150 feet. STP 160 feet. For 1080i/60; 720p; 1080p/24 UTP 280 feet, STP 300 feet
- Deep Color Support: Digital video formats in Deep Color Mode at up to 12 bits/color
- Lossless Compressed Digital Audio: Support lossless compressed digital audio (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
- I2C Communication: EDID and HDCP Bi-Directional Transparency from Display to Source

General

- Regulation: CE, RoHS, WEEE
- Product Weight: 5 lb
- Rack Mount: 2U, 1/2 Rack Width (rack ears included)
- Shipping Weight: 8 lbs
- Enclosure: Black Metal
- Product Dimensions: L = 8.25" W = 5.75" H = 3.75"
- Shipping Carton Dimensions: L = 8.25" W = 8.15" H = 5.85"
- Accessories: IR Remote Control, UL Certified Power Supply - 6V / 6.66A

System Design Example



*To connect DVI use Key Digital® HDMI to DVI adapters, part numbers KD-FMHDMI and KD-MFHDMI