## HDMI®/DVI via CAT6/STP Matrix Switchers

# KD-HDMS4X4

HDMI/DVI Matrix Switcher capable of switching up to 4 HDMI/DVI Video Sources/Inputs to 4 independent Zones/Outputs via HDMI/DVI and CAT6/STP

## Key Features

› Full switching of 6 independent matrixes: Video, Analog Audio, Digital Audio, HDMI/DVI Audio, RS-232 Control and Bi-Directional IR

› 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

› Possible Input/Output configurations using interchangeable card slot architecture include: 1x7, 2x6, 3x5, 4x4, 5x3, 6x2 or 7x1

› 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

› Supported HDMI® 1.4 Features: 3D Ready, 4K Resolution Support

## Key Benefits

› Transmits 1080p/60Hz up to 140 ft. 1080i and all lesser resolutions up to 270 ft. when used with KD-BBRX receiver Baluns

› Video, Audio, IR and RS-232 distribution via a single CAT6/STP cable

› Fully automatic CAT6/STP cable equalization

› 8 active outputs (4 HDMI/DVI and 4 CAT6/STP) enables flexible integration

› Full Audio control per output for volume, treble, bass, balance, and lip-sync

› Serial IR, Optical IR, Front Panel & RS-232 control. Supports major control systems such as AMX®, Control4®, Crestron®, RTI®, Universal®.
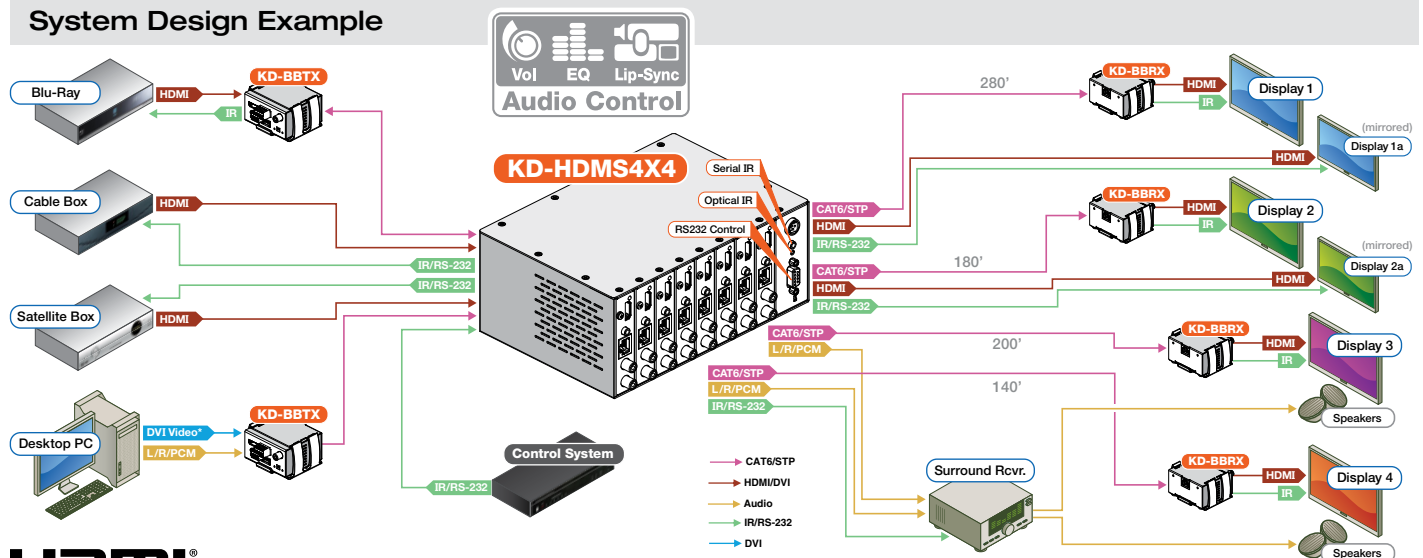
## Specifications

### Technical:

» **Input / Output (Each):**  1 HDMI/DVI; 1 CAT6/STP 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 slot

» **Configuration:** 8 slots

» **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-BBRX or KD-BBTX Baluns

» **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 CAT6/STP Input.

» **Link and Range:** Single link to 1080p/60, 1920x1200 maximum up to 140 ft., 1080i/60, 1080p/24, 720p up to 270 ft.

» **Deep Color Support:** Digital video formats in Deep Color Mode at up to 12 bits/color

» **HDMI® and HDCP Licensing:** Fully licensed and compatible with all HDMI and HDCP techologies

» **DDC Signal (Data):** Input DDC Signal:  5 Volts p-p (TTL)

» **HDMI Video/Audio Signal:** Input Video Signal:  1.2 Volts p-p

» **DDC Communication:** EDID/HDCP Bi-directional Transparency from Display to Source

### General

» **Regulation:** CE, RoHS, WEEE

» **Rack Mount:** 2U, ½ Rack Width (rack ears included)

» **Accessories:** IR Remote Control, UL Certified Power Supply - 6V / 6.6A

» **Product Dimensions:** L = 8.25" W = 6.00" H = 3.5"

» **Shipping Carton Dimensions:** L = 14.5" W = 8.15" H = 5.85"

» **Product Weight:** 4.2 lbs

» **Shipping Weight:** 8.1 lbs

» **Enclosure:** Black Metal

## System Design Example



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