HDMI Distribution Amplifiers

KD-DA1x2DC

4K/18G 1x2 HDMI Distribution Amplifier / 4K to 1080p Down-converter with L/R and Optical Audio De-Embedding

KEY FEATURES

› **HDMI Signal Distribution:** 1 HDMI source to 2 HDMI outputs/displays

› **Ultra HD/4K Support:** 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)

› **HDCP Licensing:** Fully licensed and compatible with HDCP 2.2

› **HDR10 and Dolby Vision®:** More life-like images through a greater range of luminance levels

› **Resolution Support:** Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) up to 4096x2160p.

› **4K to 1080p Down Convert:** When enabled, resolution conversion is applied to individual output(s) based on EDID from the connected display

› **Deep Color Support:** Up to UHD/4K 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit

› **Audio De-embedding:** Audio of the connected HDMI input is output at the digital Optical and analog 3.5mm stereo connectors.

› **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake

› **EDID Management:** Internal library with 15 internal EDID handshakes including 4K with HDR in addition to native EDID data copied from output/display 1

› **Digital Audio Format Support:** DTS-HD Master Audio™, DTS:X®, Dolby® TrueHD, Dolby Atmos®

› **CEC Disconnect:** Prevents unwanted control of source

FRONT

REAR

SPECIFICATIONS

» Input: HDMI Connector, Type A, 19 Pin Female

» Output (Each): HDMI Connector, Type A, 19 Pin Female

» Bandwidth: TMDS bandwidth 18 Gbps

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

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

» Power Supply: KD-PS5V1ASC, 5V/1A, 100-240VAC, 50-60Hz, Interchangeable head, screw-in connector

» Regulation: CE, RoHS, WEEE

» Enclosure: Black Metal

» Product Dimensions: 4.3" x 1.1" x 2.8"

» Packaging Dimensions: 6.3" x 4.2" x 3.7"

» Product Weight: 0.5 lb

» Shipping Weight: 0.7 lb

SYSTEM DESIGN EXAMPLE

4K Video Source

4K

HDMI

KD-DA1x2DC

HDMI

1080p

Down-Convert Applied

4K

HDMI

Optical Audio