

HDMI Extenders, Boosters & Buffers

KD-HDFIX22

4K HDMI Extender, Booster & Buffer of EDID, TMDS, Hot Plug Control, Audio De-Embedding, HDR10, HDCP2.2

Key Features

- › **Extension:** Capable of extending UHD/4K and 1080p resolution up to 75 ft. / 23 m. in and 75 ft. / 23 m. out (150 ft. / 46 m. total)
- › **HDMI Correction:** Resolves common HDMI integration obstacles such as HDCP, EDID, HPD, and audio breakout
- › **Resolution Support:** Supports all SD, HD, and VESA resolutions up to Ultra HD/4K, 3D and 1080p/60 (60Hz & 50Hz)
- › **4K/Ultra HD:** 4096x2160 or 3840x2160 30Hz at 4:4:4 and 60Hz at 4:2:0
- › **HDR (High Dynamic Range):** More life-like images through a greater range of luminance levels
- › **HDCP 2.2:** Compliance up to HDCP 2.2
- › **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake
- › **Audio De-Embedding:** Audio from the HDMI input is de-embedded through the Coax digital (PCM) and/or Analog L/R audio output
- › **Auto-EQ:** Precise signal equalization applied to input and output signals automatically delivers best possible picture quality
- › **EDID Control:** 15 internal EDID tables or EDID copy from output/display
- › **Forced HPD:** Enables integrator to choose if active signal voltage is forced to connected input device
- › **HDMI and HDCP Licensing:** Fully licensing and compatible with HDCP 2.2 and HDMI latest technology such as 4K/UHD 4:2:0/8bit at 60f/s
- › **I2C Communication:** EDID and HDCP authentication to Display and Source
- › **RS-232 Controllable:** Control of unit and connectivity status
- › **CEC Support:** For inter-device control between main input and output HDMI channel
- › **Deep Color Support:** Up to 16 bits/color at 1080p/60



HDMI

HDMI
AUDIO
DE-EMBEDDING

HDR
HIGH DYNAMIC
RANGE

HDCP
2.2

Ultra HD
4K

Specifications

- › HDMI Connector: Type A 19 Pin Female
- › Advanced HDMI features: Ultra HD/4K, 3D
- › Audio: Supports DTS-HD, Dolby True HD and 2 CH PCM
- › External Analog Audio: supports 2 Channel PCM audio only, NO Multi-Channel, PCM, Dolby, DTS or HD audio support
- › HDMI Video/Audio signal: 1.2V p-p
- › DDC Signal: 5V p-p (TTL)
- › Regulation: CE, RoHS, WEEE
- › Power Supply: KD-PS5V1A, 5V/1A, 100-240VAC, 50-60Hz, Interchangeable head
- › Product Dimensions: 3.6" x 2.5" x 1", Weight: 4 oz
- › Shipping Dimensions: 6.3" x 4.2" x 3.3", Weight: 16 oz
- › Enclosure: Black Metal

System Design Example

