



4K HDMI Clock Re-Synthesizer/Conditioner

HD4KCLK

SKU: 17933 UPC: 741835000000

The Vanco 4K HDMI Clock Re-synthesizer (part # HD4KCLK) amplifies HDMI extension transmission over long cable distances and makes multiple layer cascading of HDMI product possible, while passing 4K resolution with HDR. For use in applications where there are issues with compatibility due to clock stretching issues, the HD4KCLK receives the HDMI signals and resynchronizes, conditions, and equalizes the signals with state of the art jitter cleaning technology. This results in the improvement of the transmission distance and signal integrity. The HD4KCLK provides high bandwidth HDMI systems a cost effective way to overcome HDMI issues as well as save time from troubleshooting and having to replace equipment. The HD4CLK is the latest and greatest HDMI Clock Re-synthesizer to connect to 4K components!

Features

- Addresses issues with clock stretching/timing and multiple layer cascading
- Amplifies HDMI signals and extension over long cable distances
- Resynchronizes, conditions, and equalizes HDMI signals
- Built-in super jitter cleaning mechanism
- Supports Resolutions up to 4K@60Hz, 4:4:4 chroma with HDR10/Dolby Vision
- HDCP 2.2 compliant
- Perfectly integrated with other HDMI over UTP products
- Power Supply: 5V DC
- Dimensions: 2.2" W x 2.6" H x 1.8" D

Specifications: Role of usage HDMI to HDMI Repeater with Clock Cleaning HDMI Standards 2.0a Input Video bandwidth 6 Gbps per data channel Video Support 480i/480p/576i/576p/720p/1080i/1080p/2160p deep color Audio Support Bypass ESD protection [1] Human body model "" $\pm 19\text{kV}$ [air-gap discharge] & $\pm 12\text{kV}$ [contact discharge][2] Core chipset "" $\pm 2\text{kV}$ PCB stack-up 4-layer board [impedance control "" differential 100W; single 50W] CEC Channel Bypass Input 1 x HDMI Output 1 x HDMI HDMI connector Type A [19-pin female] Housing Metal enclosure Fixedness Wall-mounting case with screws Power supply 5V DC Power consumption 5 Watts [max] Operation temperature 32~104 °F Storage temperature -4 ~140 °F Relative humidity 20~90 % RH (no condensation)