Product Name
DisplayPort™ 1.4 to HDMI™ 2.0b HDR Active Adapter

Product Series
Adapters

Itemcode
CAC-1080

EAN code
8719214470852

UPC code
841615101047

Description:
The Club3D CAC-1080 is a DisplayPort™ 1.4 to HDMI™ 2.0b signal converter. It features support for HDR Video quality for deep color media content playback. The DisplayPort™ receiver supports up to 5.4 Gbps per lane over 4 lanes. The HDMI™ output is fully compliant to HDMI™ specification version 2.0b.

Supports up to 4K UHD Resolutions
The CAC-1080 supports UHD resolutions up to 4096 x 2160p at 60Hz.

Color Formats
It supports RGB/YCbCr video color formats with a color depth of 16bpc (or 48 bits per pixel) as long as it fits within the DisplayPort™ and HDMI™ link bandwidth. The CAC-1080 also supports pixel encoding conversion from RGB or YCbCr 4:2:2 to YCbCr 4:2:0 and YCbCr 4:2:0 pass-through function. In addition HDR with deep color up to 12bpc at 4K 60Hz is supported through the conversion of RGB/YCbCr 4:2:2 over DP link to YCbCr 4:2:0 on the HDMI™ output with a horizontal expansion to CEA timings.

Note: For HDR to function, the source system needs to support DisplayPort™ 1.4 and the screen needs to support for HDR and/or HDMI™ 2.0 a or b.

OS Support:
Windows 10, 8.1,
Apple OS X

In the box:
Club 3D DisplayPort™ 1.4 to HDMI™ 2.0b HDR Active Adapter

Features:
- DisplayPort™ 1.4 Receiver, up to 5.4Gbps link rate, HBR2/HBR/RBR
- Video Stream Handling
  - Up to 600MHz dual pixel path and 16bpc
  - RGB/YCbCr 4:2:2/4:2:0 pixel format
  - Horizontal expansion of Vesa CVT to CEA Timings (as per DP™ 1.4 spec)
- DisplayPort™ to HDMI™ Stereoscopic 3D Transport
  - Frame Sequential to Stacked Top-Bottom Conversion
  - Pass-through of the 3D Formats
- Audio Stream Handling
  - LPCM and compressed Audio encoding formats
  - Max audio sample rate of 192 KHz x 8 Channel or 768 KHz x 2 Channel
- HDCP Support
  - HDCP 1.3 to HDCP 1.4 Repeater function
  - HDCP 2.2 to HDCP 1.4 and 2.2 Repeater Function
- HDMI™ transmitter
  - Compliant to HDMI™ specifications version 2.0b
  - 600MHz max TMDS character clock
  - High Dynamic Range (HDR) support both Static- and Dynamic HDR.
- CEC Support - snooping, tunneling
- Max Video resolution and color depth on HDMI™ output
  - 4K 60Hz YCbCr 4:2:2, up to 12bpc
  - 4K 60Hz YCbCr 4:2:0, up to 12bpc
  - 4K 30Hz RGB/YCbCr 4:2:2, up to 12bpc

Input:
- DisplayPort™ 1.4 male

Output:
- HDMI™ 2.0b female