DisplayPort™ 1.4 to HDMI™ 2.0b HDR

Active Adapter





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 4:4:4 to YCbCr 4:2:0 and YCbCr 4:2:0 pass-trough function. In addition HDR with deep color up to 12Bpc at 4K 60Hz is supported through the conversion of RGB/YCbCr 4:4:4 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 $^{\text{\tiny{IM}}}$ 1.4 and the screen needs to have support for HDR and / or HDMI $^{\text{\tiny{IM}}}$ 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

Input

■ DisplayPort[™] 1.4 male

Output:

■ HDMI™ 2.0b female

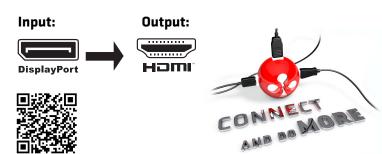
Other info:

- Boxsize: 182 x 60 x 35mm.
- Cable: 191.7 x 20 x 11 mm.
- Product Weight: 32 gr.
- Meets ROHS, FCC, and CE EMI requirements
- Made in China



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 4:4:4/4:2:2/4:2:0 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-trough of ther 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 Fucntion
- HDMI™ transmitter
- Compliant to HDMI™ specifications version 2.0b
- 600MHz max TMDS character clock
- High Daynamic Range (HDR) support both Static- and Dynamic HDR.
- CEC Support snooping, tunneling
- Max Video resolution and color depth on HDMI™ output
 - 4K 60Hz RGB/YCbCr 4:4:4, 8bpc
- 4K 60Hz YCbCr 4:2:2, up to 12bpc
- 4K 60Hz YCbCr 4:2:0, up to 16bpc
- 4K 30Hz RGB/YCbCr 4:4:4, up to 16Bpc





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