

# DisplayPort™ 1.4 to HDMI™ 2.0b HDR Active Adapter



## HDR

# 4K 60Hz

### 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-through 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™ 1.4 and the screen needs to have 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

### 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-through of their 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 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

### Input:



DisplayPort

### Output:



HDMI



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