USB 3.1 Type C to HDMI™ 2.0a HDR
Active Adapter

Club³D

HDR

4K 60Hz

USB type C

↓

HDMI™ 2.0a

Product Name
USB 3.1 Type C to HDMI™ 2.0a HDR Active Adapter

Product Series
Adapters

Itemcode
CAC-1584

EAN code
8719214470845

UPC code
841615101030

Description:

The Club 3D CAC-1584 is a USB 3.1 Type C to HDMI™2.0 a signal converter.It features support for HDR Video quality for deep color media content play-back. The CAC-1584 requires the USB C output on the source device to have support for DisplayPort™ Alternate Mode. For HDR to function the source system needs to support DisplayPort™ 1.4 standard. The HDMI™ output is fully compliant to HDMI™ specification version 2.0a.

Supports up to 4K UHD Resolutions
The USB 3.1 Type C to HDMI™ 2.0a HDR Active Adapter supports UHD resolutions up to 4096 x 2160p at 60Hz.

ColorFormats
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-1584 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.

OS Support:

Windows 10, 8.1
Apple OS X

In the box:

■ Club 3D USB 3.1 Type C to HDMI™ 2.0a HDR Active Adapter

Input:
■ USB 3.1 Type-C Male

Output:
■ HDMI™ 2.0a Female

Other info:
■ Box size: 182 x 60 x 35 mm.
■ Cable: 177 x 38 x 17 mm.
■ Weight: 22 gr.
■ Meets ROHS, FCC, and CEEMI requirements
■ Made in China

Features:

■ Features reversable USB C connector
■ 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 other 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 2.0a
  - 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

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

Input:

USB Type-C → **Output:** **HDMI™**

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