

DVI (HDMI2.0) to Type-C (DP1.2) Convertor

D2C-217 provides a DVI Male to Type-C Female converter cable.

1. Features

HDMI2.0 Receiver

Compliant to HDMI2.0 Standard Support 3D Video Data Stream
Support HDCP1.4/2.2 / HDR / Resolution up to 4Kx2K@60Hz /
8/10/12-bit Deep color / DDC and CEC / Hot-Plug Detect / Status
and Control Data Channel (SCDC) / Data Lane Swap and Polarity
Swap / Build-in Pattern Generation

DP1.2 Transmitter

Compliant to VESA DP1.2 Standard

Support Four Lanes with 1.62Gbps (RBR), 2.7Gbps (HBR) or 5.4Gbps (HBR2) Data Rate

Support Resolution up to 4Kx2K@60Hz / Data Lane and Polarity Swapping

Support HDCP1.3 Encryption / 8/10/12-bit Deep Color / Hot-Plug Detect

Full-Featured USB Type-C

Compatible with USB3.1 Gen1, USB Type-C R1.2, DP Alt Mode V1.0

2 Data Roles Supported: DFP and UFP / 3 Power Roles Supported: SRC, SNK and DRP

Bi-directional Active Switch for USB3.1 Gen1 SS Channel

USB Full-Featured, Orientation and Role Detection

3-level Current Ability Advertise (Host Mode) or Detection

Support SBU Data Path Control for DP Alt Mode

Support Standby Mode for Low-Power Operating / Compatible with USB Type-C R1.2



2. General Description

For DVI input, D2C-217 features a HDMI2.0 receiver with 1 clock lane and 3 data lanes operating at maximum 6Gb/s per data lane and a maximum input bandwidth of 18Gb/s, allowing resolution up to 4Kx2K@60Hz for RGB format. The converter also integrates a DDC controller and supports both HDCP1.4 and HDCP2.2.

For DP1.2 output, it consists of 4 data lanes, supporting RBR (1.62Gbps), HBR (2.7Gbps) and HBR2 (5.4Gbps) link speeds. The build-in optional SSC function reduces EMI effect on
The switch function is compliant with VESA DP Alternate Mode on USB Type-C Standard.

3. Applications

Mobile systems, VR/AR

Digital video cameras and Digital still cameras

- -40°C to 70°C Ambient Operation Temperature Range / ESD HBM 4.0 kV
- Support Type-C port of TV / Monitor
- Easy to install , Plug & Play, Power free
- Contents: DVI Male to Type-C Female converter cable with 15 cm cable
- 小殼: Dimension :43*23*12 (mm) +15cm Cable Weight : 25g~40g include cable