

DP to 2K VGA Converter

DSV-315-P provides a DP Male to 2K VGA Female converter cable.

General Description

The DSV-315-P is a high-performance Display Port to VGA converter. Combined with Display Port receiver and triple DACs, the DSV-315-P supports Display Port input and VGA output by conversion function. The build-in Display Port receiver is fully compliant with Display Port 1.1a specification. With 2-lane HBR (High-Bit-Rate) Display Port receiver, the DSV-415-P can support VESA resolution up to WUXGA and UXGA. Also the build-in triple DACs can support up to 8 bit deep colors.

The DSV-315-P provides high performance, DP2VGA conversion function, and it can help modern NB or MB to be compatible with traditional VGA only projectors, monitors, and TVs.



1. Features (Display Port RX)

Compliance with DP Specification **V1.1a** at **1.62/2.7 Gbps** data rate (Low bit rate/High bit rate)

Support flexible **1/2** lanes configurations; **5.4 Gbps** data rate support (2 lanes at 2.7Gbps)

Support DPCD **Rev.1.1**

Support Source Connection Detection through AUX channel DC levels

Automatic loss of signal detection for Link management

Features (VGA DACs): Tripe **8-Bit** DAC Converters / **230 MSPS** Throughput Rate

Embedded Compensated Circuits./Complementary Outputs

2. Features (Combined)

Support up to **QXGA(2048x1536)**, **QWXGA(2048x1280 RB)**, **WUXGA(1920X1200 RB)** and **UXGA(1600x1200)** VESA display format

Support DP Input deep color depth up to **12bit**, and support VGA output color depth to **8bit**

Active mode current consumption at 162 Mhz UXGA resolution is ~245mA.

RoHS Compliant (100% Green available)

3. Applications

Mobile systems, VR/AR

Cellular handsets, PAD/Tablets

Digital video cameras and Digital still cameras

- -40°C to 70°C Ambient Operation Temperature Range / ESD HBM 8.0 kV
- Support VGA port of TV / Monitor
- Easy to install , Plug & Play, Power free
- Contents: DP Male to VGA Female converter cable with 15 cm cable
- Dimension :48*45*15 (mm) +15cm Cable Weight : 45g~60g include cable