DisplayPort 1.2 to HDMI Converter

pro-SIGNAL

RoHS Compliant

Description

This is a DisplayPort 1.2 to HDMI signal format converter for interfacing next generation DisplayPort based PC and notebook computers with high definition displays. DisplayPort offers a unified, scalable, and cost effective interface for embedded and external display applications. As desktop and notebook PCs are increasingly transitioning from conventional analog type interfaces to DisplayPort, the converter facilitates the transition by offering seamless connectivity between new DisplayPort PC and the installed base HDMI monitors and projectors.

It offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

Features

- Supports DisplayPort1.2 and 4 lanes.
- Support DisplayPort 1.2a input and HDMI1.4b output.
- Support HDMI highest video resolution 4Kx2K.
- Supports multiple color formats: RGB 6/8/10/12-bit per component (bpc) and YCbCr4:4:4, YCbCr4:2:2, 8/10/12bpc.
- HDMI 1.4a compliant with maximum data rate 3.0Gbps.
- Supports 10/12-bit deep color 1080p up to 2.25Gbps and 3D video formats (720p@50/59.94/60Hz, 1080i@50/59.94/60Hz, 1080p@23.98/24Hz, 1080P@50/59.94/60Hz) up to 2.97Gbps.
- Content protection of HDCP Rx and Tx keys to support HDCP repeater.
- DVI 1.0transmitter support.
- Support up to 8 channel LPCM, compressed audio (AC-3,DTS) and HBR audio format.
- Supports up to 192 khz audio frame rate and up to 24-bit audio sample size.
- Integrated both HDCP Rx and Tx keys to support HDCP repeater.
- Powered from DisplayPort source.

Specifications

Input Video Signal	DisplayPort
Maximum Single Link Range	4Kx2K
Output Video	HDMI
Input Connector	DisplayPort Male 20pin
Output Connector	HDMI Female Type-A 19pin
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	1.62Gbps/2.7Gbps
No 3D Mode	Up to 4Kx2K@30Hz
3D Mode	Support
Weight (Net)	110g
Cable Length	1.8m (5.9ft)

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Jacket Colour	Black
Operating Temperature	0°C to +45°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90 % RH (no condensation)
External Power Supply	No external power needed
Power consumption (Max)	1W
Converter Unit	FCC, CE

1) DisplayPort input

    Connect the DisplayPort (20pin) Male to DisplayPort source device.

2) HDMI output

    Connect the HDMI Female Type-A 19pin to display.

Part Number Table

Description	Part Number
DisplayPort 1.2 to HDMI Converter, 1.8m, Black	PSG08064

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