MuxLab

Technical Spec sheet



DP/HDMI Converter with Audio De-embedder

500517

Display Port

HDMI

Audio

Overview

The DP/HDMI Converter with Audio De-embedder (model: 500517) allows for either HDMI or DisplayPort connection on the input and output ports, for flexible installation and mixed/matched display configurations between both ends. Supports video resolution up to 8K/30, 4K/120 for DisplayPort signal and up to 4K/60 for HDMI signal. It supports advanced EDID management and can be set via the EDID switch on the front panel. De-embedded audio is available via an optical and analog output connectors.

Applications

- Conference Rooms
- Classroom Projector Systems
- Collaborative PC Systems
- Digital Signage
- Educational Institutions
- Boardroom Systems

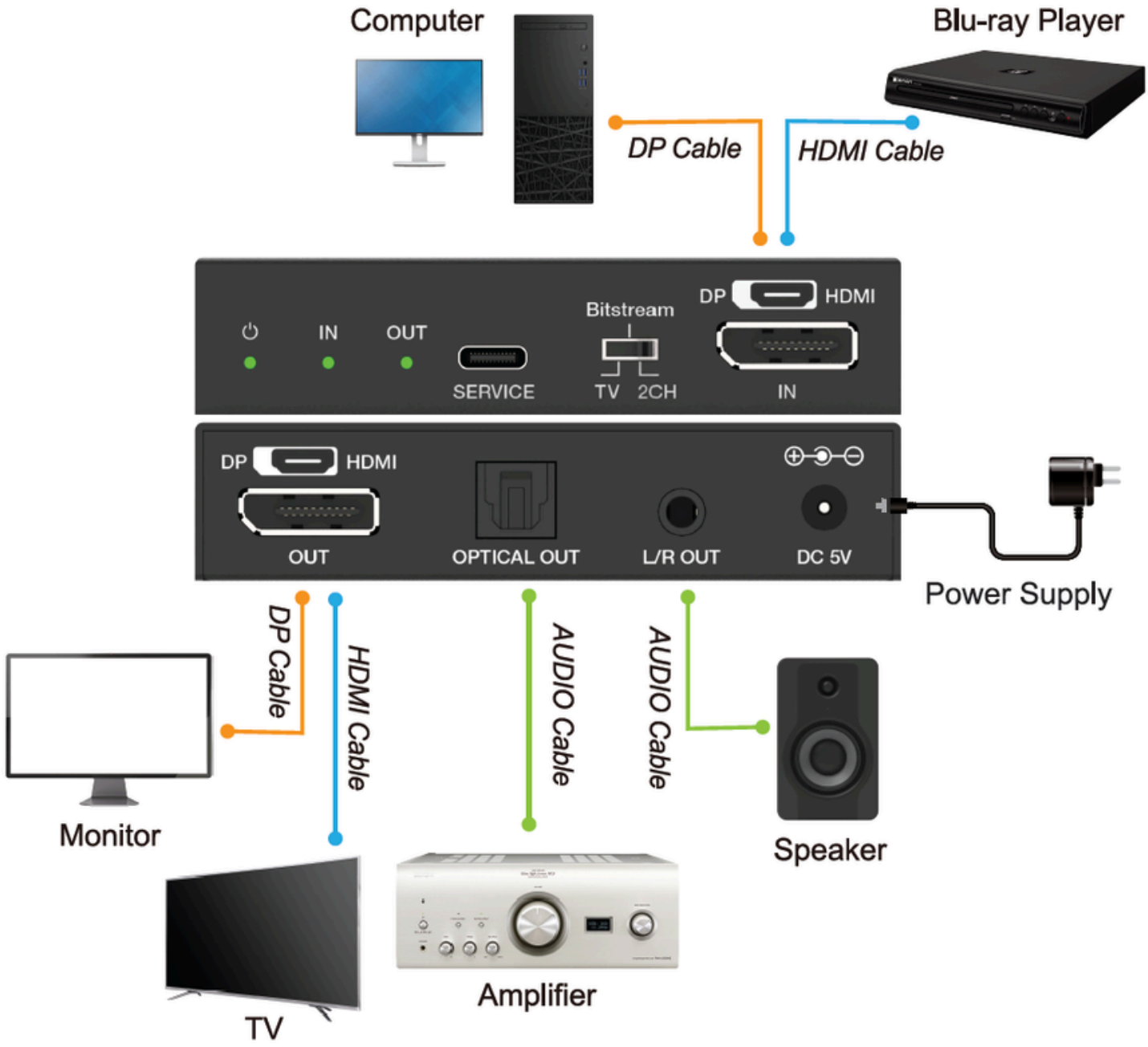
Key Features

- DisplayPort/HDMI combo connectors supports both DisplayPort and HDMI video interfaces
- Video bandwidth is up to 32.4Gbps for DisplayPort, 18Gbps for HDMI input and 48Gbps for HDMI Output
- Video resolution is up to 8K/30 for DisplayPort input and 4K/60 for HDMI input
- Automatic recognition of DP/HDMI signal on input and output ports
- Supports four conversions: DP to DP, DP to HDMI, HDMI to DP and HDMI to HDMI
- Supports HDR10, HDR10+, HLG and Dolby Vision pass-through
- Compliant with HDCP 2.3 and DisplayPort 1.4 ALT Mode
- Supports CEC pass-through

Specification

Technical	
Protocol Compliance	DisplayPort 1.4 ALT Mode, HDMI 2.0 (IN)/HDMI 2.1 (OUT) and HDCP 2.3
Transmission Rate	Up to 32.4 Gbps (DP), 18Gbps (HDMI input), 48Gbps (HDMI output)
Video Resolution	Up to 8K/30Hz (4:4:4) (DP input), up to 4K/60Hz (4:4:4) (HDMI input)
De-embedded Audio Format	Optical Audio: LPCM 2.0, Dolby Digital 2/5.1CH, DTS 2/5.1CH Analog Audio: LPCM 2.0
Audio Samplig Rate	192 KHz
Color Space	RGB, YCbCr 4:4:4 and YCbCr 4:2:2
Color Depth	8, 10, 12 bit
HDR Standard	HDR, HDR10, HDR10+, HLG and Dolby Vision
HDMI Audio Format	LPCM up to 7.1 channels, Dolby up to Dolby Atmos and DTS up to DTS:X
Connection	
Connectors	Input: 1 × DP/HDMI Input [DP/HDMI Combo Connector] Output: 1 × DP/HDMI Output [DP/HDMI Combo Connector] 1 × Optical Output [S/PDIF] 1 × Stereo Audio Output [3.5mm stereo mini jack] Control: 1 × USB-C Service [USB-C female] 1 × EDID [3-pos Switch]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	90mm [W] × 72mm [D] × 20mm [H]
Weight	166g
Power Supply	Input: 100~240VAC 50/60Hz Output: 5VDC/1A
Power Consumption	2.4W (Max)
Operating Temperature	0°C ~ 40°C /32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)
Generic Specification	
Warranty	2 years
Order Information	500517 DP/HDMI Converter with Audio De-embedder (UPC: 627699005170)

Application Example



2321 Cohen | St-Laurent , H4R 2N7 | Québec, Canada Tel: 514-905-0588 | Fax: 514-905-0589 | Toll free: 1-877-689-5228 info@muxlab.com | salesteam@muxlab.com | www.muxlab.com