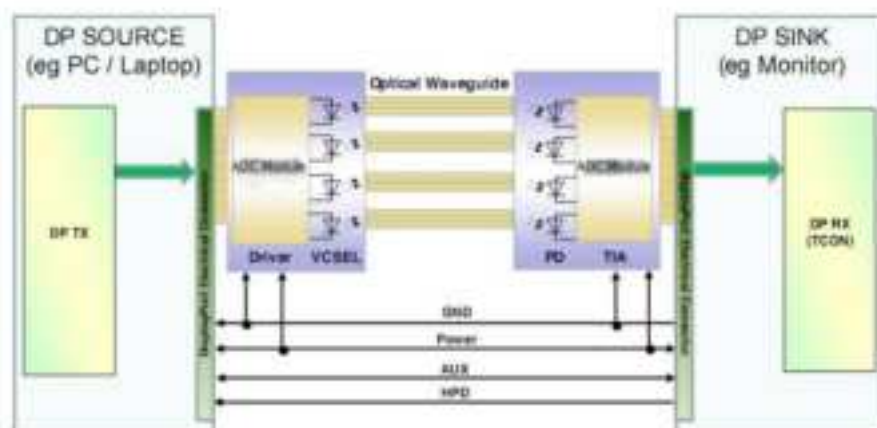




Introduction

This WolfPack 8K 60 Hz DisplayPort AOC Cables with Adapters is a new generation of advanced Active Optical Cables (AOC) that employ cutting edge technology to deliver unprecedented resolution, performance and value. It can support DisplayPort 1.4 and provide a wide range of features in a compact, lightweight form- factor. They are fully HDCP1.4 or HDCP2.2 compliant and support signals with data rates up to 32.4 Gbps. (HBR3). These features enable this AOC cables to support very high-resolution applications at 4K@120Hz (4:4:4) with cable lengths up to 100 meters or 8K@60Hz (4:4:4) up to 100 meters



Features

- Long distance transmission up to 100 meters(330ft)
- Support 8K@60Hz, Supports HBR3, HDCP 1.4, HDCP 2.2;
- Support DP1.4 standard, bandwidth can reach 8.1 Gbps per channel
- Hybrid fiber and copper with much more slim and light weight
- Low RFI / EMI profile for sensitive applications
- External power supply is not request

Specification

1. Performance

Standards Compliance	DisplayPort 1.4 / HBR3, HDCP 1.4 / 2.2
Maximum Pixel Clock Frequency	810 MHz
Maximum Video Bit Rate	Supports up to 8.1 Gbps per lane, 32.4 Gbps Total
Maximum Color Depth	48bits
Maximum Supported Resolutions	8K@ 60Hz

2. Connections

DisplayPort Input / Output	20-pin DisplayPort
Power	No external power supply is required.

3. AUX Channel Support

AUX Channel Communications	Supports bidirectional communications for EDID, HDCP, Link Training, etc.
HDCP Support	HDCP 1.4 and HDCP 2.2

4. Optical

Optical Technology	4x Discrete Optical Channels, 10 GHz, 850 nm
Optical Transmitter	Tx Module: 4x 850 nm Multi-mode VCSELs
Optical Receiver	Rx Module: 4x GaAs PIN Photo Diodes

5. Cable

Fiber Cable Type	Hybrid cable 4x fiber and 8x copper wire
Cable Jacket	PVC, Black
Maximum Cable Length	100 meters

6. Mechanical - Cable

Product Weight	Varies with length
Maximum Tensile Load	300N
Minimum Bend Radius	48mm
Cable Outside Diameter (W x H)	4.8mm

7. Environmental

Operating Temperature	0℃ to + 50℃
Storage Temperature	-20℃ to + 85℃
Operating / Storage Humidity	5% to 85% (non-condensing)

8. Power Requirements

Power Source	Powered from DisplayPort source device
Power Consumption	< 0.5 watt each end

Application

- 1) Home Theater
- 2) High definition Video Meeting System
- 3) Medical Video System
- 4) High definition Video Surveillance System
- 5) Digital Signage and TV Wall

Outdoor large screen display system



Medical/military image system



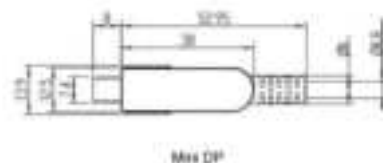
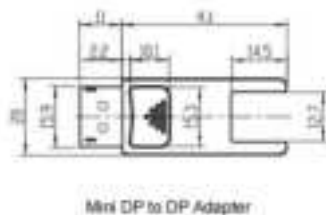
Home Theater

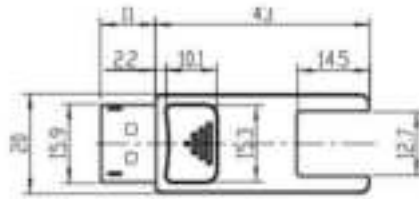


HD video conference

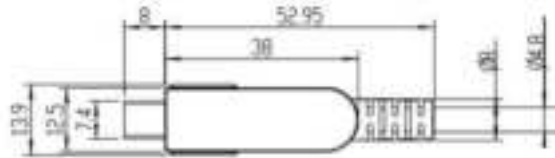


Cable details





Mini DP to DP Adapter



Mini DP