

32Gbps 8K 60Hz DisplayPort 1.4 Active Optical Cable with DP++ Support (10m/32ft)

CAB-DAOC-10-C | CAB-DAOC-10-P

WyreStorm

Specification Sheet



4320p
4:4:4 **60** **8K** **32GBPS** **DP** **HDCP 2.2**

WyreStorm - Powerful. Reliable. Simple.

Introduction

Bringing the wealth of knowledge that WyreStorm has accumulated in hybrid HDMI cables, the DAOC brings the same powerful benefits to DisplayPort system topology. Connecting to PC graphics cards or high performance media playback systems, the DAOC is ready for content up to 8K/60 at 8-bit 4:4:4 plus support for HDR-10. The WyreStorm DAOC can extend super high-bandwidth video with up to 32 channels of PCM audio up to 10m/33ft using the very latest in active optical transmission technology.

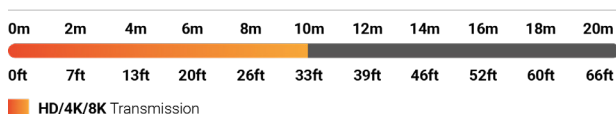
Key Features

- Uncompressed optical transmission of DisplayPort content up to 32.4Gbps:
 - 1920 x 1080p @240Hz
 - 2560 x 1440p @240Hz
 - 3840 x 2160p @120Hz
 - 5120 x 2880p @60Hz
 - 7680 x 4320p @60Hz
 - (all quoted at RGB 8-bit)
- Compatible with static HDR and HDR-10 standards.
- Supports transmissions using DSC (Display Stream Compression) between source and display
- Ready for HDCP 2.2 content encryption
- True native HDMI communication ensures CEC and EDID communication between compatible devices
- Perfect for use in environments with excessive EM or RF interference
- Kevlar protected communication cores
- High quality aluminum construction with low-profile 21mm/0.82" TX head
- Supplied coiled on cardboard spool in box, with RX head out first
- No single use plastic included* #SUPFree

In the Box

1x CAB-DAOC-10-C or CAB-DAOC-10-P Active Optical DisplayPort Cable
2x Reusable Cable Ties
1x Quickstart Guide

Optical HDMI Cable Performance Guide



Specifications

| Transmission | | | |
|---|--|---|---------------|
| Transmission Encoding | Uncompressed AOC | | |
| End to End Latency | 10µs | | |
| Maximum Transmission Bit Rate | 32.4Gbps (4-core, 8.1Gbps per lane) | | |
| Video | | | |
| DisplayPort | (v1.4) LVDS 8b/10b encoding DSC v1.2 (Display Stream Compression) Supported | | |
| Input | 1x DisplayPort: 20-pin Male | | |
| Output | 1x DisplayPort: 20-pin Male | | |
| Maximum Data Rate | 25.92Gbps | | |
| Supported Video Resolutions* | CAB-DAOC-10-C | | CAB-DAOC-10-P |
| | 1920 x 1080p @240Hz | | |
| | 2560 x 1440p @240Hz | | |
| | 3840 x 2160p @120Hz | | 10m/33ft |
| | 5120 x 2880p @60Hz | | 15m/49ft |
| | 7680 x 4320p @60Hz | | |
| Supported Standards | DSC Static HDR HDR10 | | |
| Audio | | | |
| Audio Formats | 24-bit PCM | | |
| Maximum Sampling Rate | 192KHz | | |
| Maximum Audio Channels | 32 | | |
| Communication and Control | | | |
| HDCP | Pass-through, 2.2 Supported | | |
| EDID | Pass-through, RX>TX | | |
| Consumer Electronics Control (CEC) | Bidirectional Supported | | |
| Installation Restrictions | | | |
| Max Bend Radius | 2cm/0.78in | | |
| Max Pull Tension | 15kg/33lbs | | |
| Orientation | Uni-directional - Observe signal flow direction prior to installation | | |
| Power | | | |
| Power Supply | Passive 3.3v~5.5v VCC (From Connected Source) | | |
| Max Power Consumption | 250mW | | |
| Environmental | | | |
| Operating Temperature | 14°F ~ 122°F (-10°C ~ 50°C) 10% ~ 90%, non-condensing | | |
| Storage Temperature | -4°F to ~ 140°F (-20°C ~ +60°C) 10% ~ 90%, non-condensing | | |
| Maximum BTU | 0.85 BTU/hr | | |
| Jacket Material | CAB-DAOC-10-C: CAB-DAOC-10-P: | Non-PVC PVC | |
| Dimensions and Weight (Connector Housing) | | | |
| Height | 12mm/0.47in | | |
| Width | 21mm/0.82in | | |
| Depth | 45mm/1.77in | | |
| Weight | NA | | |
| Cable Length (Connector to Connector) | CAB-DAOC-10-C: CAB-DAOC-10-P: | 10m/33ft 10m/33ft | |
| Regulatory | | | |
| Safety and Emission | CAB-DAOC-10-C: CAB-DAOC-10-P: | CE FCC CPR RoHS LSZH EAC CE FCC UL (Plenum) RoHS EAC | |

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.

Right Product for the Right Application.

