

18Gbps 4:4:4 60Hz over Active Optical HDMI Cable (20m/65ft | 30m/98ft)

CAB-HAOC-20 | CAB-HAOC-30



Quickstart Guide

! WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



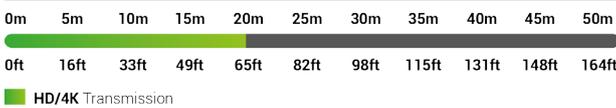
In The Box

- 1x CAB-HAOC-20 or CAB-HAOC-30 Active Optical HDMI Cable
- 2x Reusable Cable Ties
- 1x Quickstart Guide (This Document)

Cable Distances

CAB-HAOC-20

Optical HDMI Cable Performance Guide



CAB-HAOC-30

Optical HDMI Cable Performance Guide

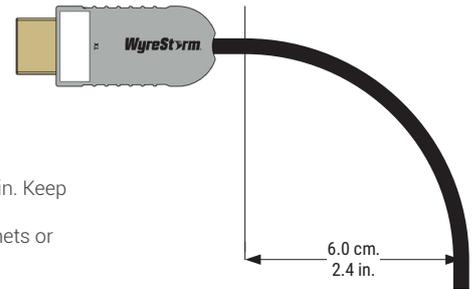


Wiring and Connections

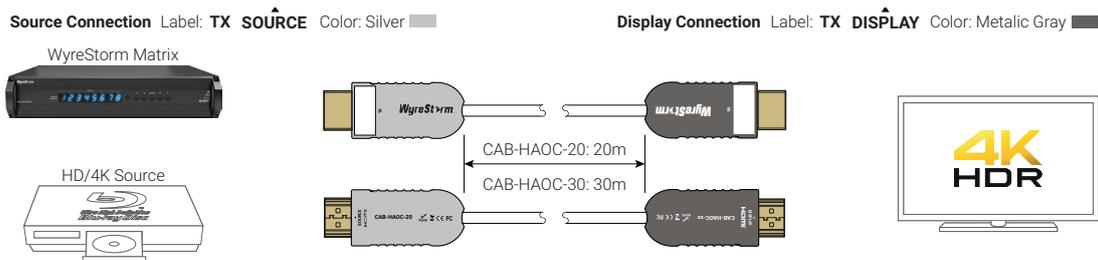
! IMPORTANT! Installation Requirements

The WyreStorm Active Optical cables are designed to transmit HDMI signals from the source to a display.

- Follow the labeling and the diagrams for connection to ensure proper operation.
- Due to the core of the HAOC being fiber optic the cable cannot have a bend radius greater than 6cm/2.4in. Keep this mind when routing cables around objects and inside of walls.
- The cables have a max pull tension of 15kg/33lbs. Keep this in mind when routing the cable within cabinets or walls to avoid damaging the cable.



Basic Wiring Diagram



Specifications

Audio and Video		
Inputs	1x HDMI: 19-pin type A Male	
Outputs	1x HDMI: 19-pin type A Male	
Output Video Encoding	AOC	
Encoding Data Rate	18Gbps	
End to End Latency	Zero	
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos	
	CAB-HAOC-20	CAB-HAOC-30
Video Resolution (Max)	1920x1080p @60Hz 16bit (20m/65ft) 3840x2160p @30Hz 4:4:4 8bit (20m/65ft) @60Hz 4:2:0 HDR 10bit (20m/65ft) 4096x2160p @60Hz 8bit 4:4:4 (20m/65ft)	1920x1080p @60Hz 16bit (30m/98ft) 3840x2160p @30Hz 4:4:4 8bit (30m/98ft) @60Hz 4:2:0 HDR 10bit (30m/98ft) 4096x2160p @60Hz 8bit 4:4:4 (30m/98ft)
Color Depth	1080p: 16bit 4K UHD: 8bit HDR @24p: 10bit BT.2020	
Maximum Pixel Clock	600MHz	
Communication and Control		
HDMI	TMDS HDCP EDID CEC ARC	
Audio Return Channel (ARC)	Supported	
Installation Restrictions		
Max Bend Radius	6cm	
Max Pull Tension	15kg	
Power		
Power Supply	Passive HDMI: 5V 4.5v~5.5v VCC	
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	
Dimensions and Weight		
Rack Units/Wall Box	NA	
Height	9mm/0.36in	
Width	19.8mm/0.78in	
Depth	39.5mm/1.56in	
Weight	NA	
	CAB-HAOC-20	CAB-HAOC-30
Cable Length (Connector to Connector)	20m/65ft	30m/98ft
Regulatory		
Safety and Emission	CE FCC RoHS	

Warranty Information

This product is covered by a 3 year limited parts and labor warranty. During this period there will be no charge for unit repair, component replacement or complete product replacement in the event of malfunction. The decision to repair or replace will be made by the manufacturer. This limited warranty only covers defects in materials or workmanship and excludes normal wear and tear or cosmetic damage. Visit the product page located at wyrestorm.com for additional information on this product including important technical information not provided in this document and warranty terms & conditions.

