

24Gbps Active Optical HDMI Cable | 4K UHD  
 4:4:4/60 10-Bit HDR | ISF Certified  
 2m/6.5ft | 4m/13.1ft | 6m/19.6ft | 8m/26.2ft



## 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.



### List of Products

EXP-CAB-HAOC-2	2m/6.5ft
EXP-CAB-HAOC-4	4m/13.1ft
EXP-CAB-HAOC-6	6m/19.6ft
EXP-CAB-HAOC-8	8m/26.2ft

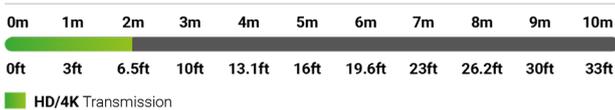
### In The Box

- 1x See [List of Products](#)
- 1x Reusable Cable Ties
- 1x Quickstart Guide (This Document)

### Cable Distances

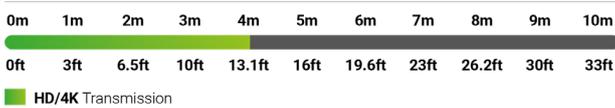
#### EXP-CAB-HAOC-2

Optical HDMI Cable Performance Guide



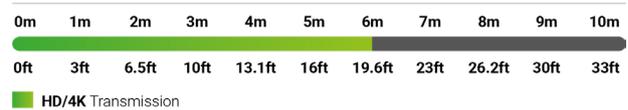
#### EXP-CAB-HAOC-4

Optical HDMI Cable Performance Guide



#### EXP-CAB-HAOC-6

Optical HDMI Cable Performance Guide

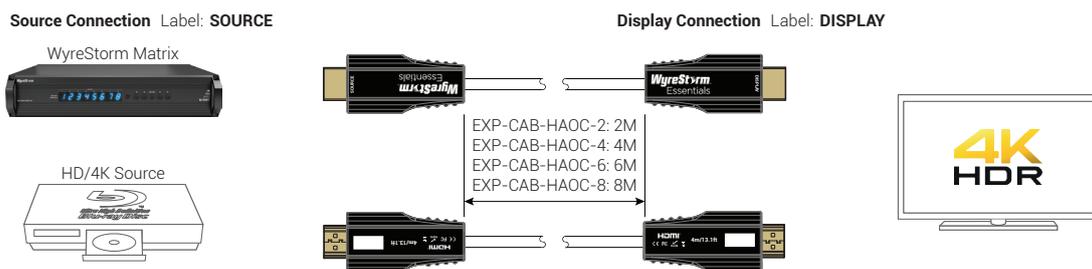


#### EXP-CAB-HAOC-8

Optical HDMI Cable Performance Guide



### Basic Wiring Diagram

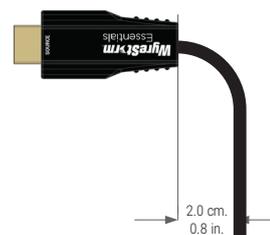


Note: Cable is unidirectional. Follow the connector labeling to ensure proper operation of the cable.

### Wiring and Connections

#### IMPORTANT! Installation Requirements

- 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 2cm/0.8in. Keep this in 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.



## Specifications

Audio and Video					
Inputs	1x HDMI: 19-pin type A Male				
Outputs	1x HDMI: 19-pin type A Male				
Output Video Encoding	Uncompressed AOC				
Encoding Data Rate	24Gbps				
End to End Latency	Zero				
Audio Formats	2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos				
Video Resolution (Max)	1920x1080p @240Hz 8bit RGB				
	2560x1440p @120Hz 8bit RGB				
	4096x2160p @60Hz 10bit HDR 4:2:0	2m/6.5ft	4m/13.1ft	6m/19.6ft	8m/26.2ft
	4096x2160p @60Hz 12bit HDR 4:2:2				
	4096x2160p @60Hz 10bit HDR 4:4:4				
	4096x2160p @60Hz 10bit RGB				
Supported Standards	DCI   RGB   HDR   HDR10   Dolby Vision   HLG   BT.2020   BT.2100				
Maximum Pixel Clock	742.5MHz				
Communication and Control					
HDMI	TMDS   HDCP 2.2   EDID				
Supported Functions	Ethernet   Audio Return Channel (ARC)   Auto Low Latency Mode (ALLM)   Variable Refresh Rate (VRR)				
Installation Restrictions					
Max Bend Radius	2cm				
Max Pull Tension	15kg/33lbs				
Orientation	Uni-directional - Observe signal flow direction prior to installation				
Power					
Power Supply	Passive 4.5v~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				
Dimensions and Weight (Connector Housing)					
Rack Units/Wall Box	NA				
Height	9mm/0.36in				
Width	19.8mm/0.78in				
Depth	39.5mm/1.56in				
Weight	NA				
Cable Length (Connector to Connector)	EXP-CAB-HAOC-2	2m/6.5ft			
	EXP-CAB-HAOC-4	4m/13.1ft			
	EXP-CAB-HAOC-6	6m/19.6ft			
	EXP-CAB-HAOC-8	8m/26.2ft			
Regulatory					
Safety and Emission	CE   FCC   RoHS				

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

### Warranty Information

WyreStorm Technologies LLC warrants that its products to be free from defects in material and workmanship under normal use for a period of two (2) years from the date of purchase. Refer to the [Product Warranty](#) page on [wyrestorm.com](#) for more details on our limited product warranty.

