

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

WyreStorm®

Specification Sheet



4K HDR **2160p 4:4:4 60** **HDMI** **HDCP 2.2** **ARC**

WyreStorm - Because the Technology Matters.

Introduction

The WyreStorm HAOC is a next generation HDMI cable designed for the next generation of 4K HDR content. It offers a unique feature set in both delivering uncompressed HDMI content at up to 24Gbps and compatibility with emerging HDMI technologies such as ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate) using the latest in optical transmission technology.

Now established as the most powerful form of HDMI extension, WyreStorm active optical cables offer the best of both worlds: pixel-perfect long distance transmission of content and native HDMI communication, thanks to their ability to be a passive communication technology compared to normal HDBaseT extenders that often terminate the HDMI signal prior to transmission.

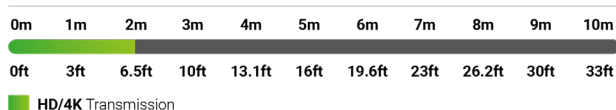
Key Features

- Uncompressed optical transmission of HDMI content at 4K/60 4:4:4 with 10-bit HDR at 60Hz
- Compatible with latest HDR standards including HLG, HDR-10+ and Dolby Vision
- Perfect for use in environments with excessive EM interference
- Kevlar protected communication cores
- High quality aluminum construction with low-profile 20mm/0.79" head
- ARC and CEC compatible for true native HDMI communication
- Supports HDCP 2.2 content encryption
- Supplied coiled in box, no single use plastic included
- Available in 2m, 4m, 6m & 8m lengths in Essentials range; 10-50m lengths available in WyreStorm Professional range of products

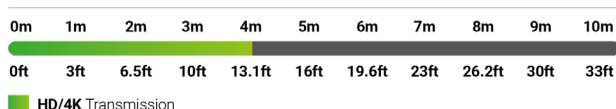
In the Box

1x EXP-CAB-HAOC-2, EXP-CAB-HAOC-4, EXP-CAB-HAOC-6 or EXP-CAB-HAOC-8 Active Optical HDMI Cable
 1x Reusable Cable Ties
 1x Quickstart Guide (This Document)

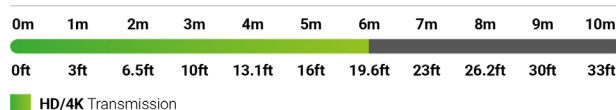
Optical HDMI Cable Performance Guide



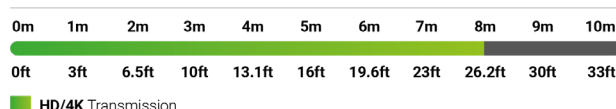
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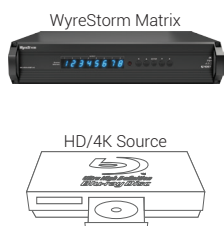


Specifications

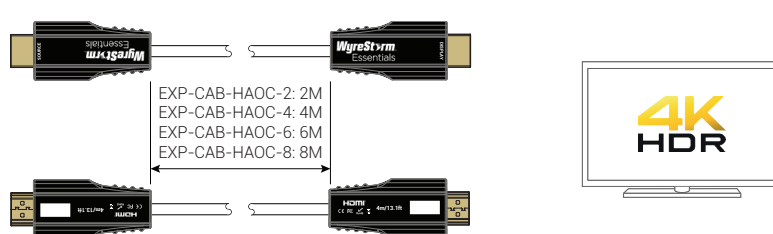
Audio and Video					
Inputs	1x HDMI: 19-pin type A Male				
Outputs	1x HDMI: 19-pin type A Male				
Output Video Encoding	Uncompressed AOC				
Encoding Data Rate	24Gbps				
End to End Latency	Zero				
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos				
Video Resolution (Max)		EXP-CAB-HAOC-2	EXP-CAB-HAOC-4	EXP-CAB-HAOC-6	EXP-CAB-HAOC-8
	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-6	6m/19.6ft	
	EXP-CAB-HAOC-4	4m/13.1ft	EXP-CAB-HAOC-8	8m/26.2ft	
Regulatory					
Safety and Emission	CE FCC RoHS				

Right Product for the Right Application.

Source Connection Label: SOURCE



Display Connection Label: DISPLAY



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