18Gbps 4:4:4 60Hz over Active Optical HDMI Cable  
(10m/33ft | 15m/49ft | 20m/65ft)  
CAB-HAOC-10 | CAB-HAOC-15 | CAB-HAOC-20

**Specification Sheet**

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**Introduction**

The latest addition to WyreStorm’s line of AV accessories, the CAB-HAOC is a next generation active optical HDMI cable designed for delivery of full bandwidth next generation 4K UHD content up to 30m/98ft.

Stepping up from our standard copper HDMI cable as found on our Express line, the CAB-HAOC enables uncompressed transmission of 18 Gigabit HDMI content using the latest optical transmission technology supporting full bandwidth 4K/60Hz at 4:4:4 8-bit and HDR 12-bit at 4:2:2 with HDCP 2.2 ensuring compatibility with the absolute latest 4K UHD content.

A 20mm head width allows cables to be easily fed through conduits, while solid alloy head construction and gold-plated connectors all add up to perfect point-to-point signal extension or connection from a source to WyreStorm 4K UHD matrix switcher or splitter and display device in any environment where copper transmission would be susceptible to electromagnetic or radio frequency interference.

### Key Features

- Uncompressed optical transmission of 18Gbps HDMI content at 4K/60 4:4:4 or HDR at 60Hz available in 10m, 15m and 20m lengths
- Compatible with latest HDR standards including HLG, HDR-10+ and Dolby Vision
- Perfect for use in environments with excessive EM or RF interference
- High quality aluminum construction with low-profile 20mm/0.79” head
- ARC and CEC enabled for true native HDMI communication
- Supports HDCP 2.2 content encryption
- Supplied coiled on spool for easy installation
- CL3 and FT4 certified

### In the Box

- 1x CAB-HAOC-10, CAB-HAOC-15 or CAB-HAOC-20 Active Optical HDMI Cable
- 2x Reusable Cable Ties
- 1x Quickstart Guide

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CAB-HAOC-xx v3 Specification Sheet | 161221
## Specifications

### Audio and Video

<table>
<thead>
<tr>
<th>Inputs</th>
<th>Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x HDMI: 19-pin type A Male</td>
<td>1x HDMI: 19-pin type A Male</td>
</tr>
</tbody>
</table>

### 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

### Video Resolution (Max)

<table>
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</thead>
<tbody>
<tr>
<td>1920x1080p @60Hz 16bit</td>
<td>10m/33ft</td>
<td>15m/49ft</td>
</tr>
<tr>
<td>3840x2160p @60Hz 10/12bit HDR 4:2:2</td>
<td>4096x2160p @60Hz 8bit 4:4:4</td>
<td>4096x2160p @60Hz RGB</td>
</tr>
</tbody>
</table>

### Supported Standards

- DCI | RGB | HDR10 | Dolby Vision | HLG | BT.2020 | BT.2100

### Maximum Pixel Clock

- 600MHz

### Communication and Control

**HDMI**

- TMDS | HDCP | EDID | CEC | ARC | Ethernet

**Audio Return Channel (ARC)**

Supported

### Installation Restrictions

- Max Bend Radius: 6cm
- Max Pull Tension: 15kg

### Power

- Power Supply: Passive 5V DC 1A | 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

- 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)

<table>
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### Regulatory

- Safety and Emission: CE | FCC | RoHS | CL3 | FT4

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**Right Product for the Right Application.**

**Source Connection**

- Label: TX SOURCE
- Color: Silver

**Display Connection**

- Label: TX DISPLAY
- Color: Metallic Gray

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