



# 18G HDMI Active Optical (AOC) High Speed Cable with 4K/60Hz



Available in lengths of 10m, 30m, 50m and 100m  
Model no: ACC-HDMI-AOC

aegis' HDMI Active Hybrid Cable is the most competitive long reach HDMI interconnection solution in the market.

It supports HDMI bandwidth up to 18Gbps (6Gbps per channel) with light weight, flexible and ultra-small long-term bending radius (45mm) hybrid cable. With aegis' advanced optical engine embedded, this HDMI Hybrid Cable provides full HDMI signal integrity, support up to 100m maximum length, plug and play. The cable has dedicated copper power wires inside, so no external power required. Supports color sub-sampling of 4:4:4, 4:2:2 & 4:2:0 with deep color & HDR. Resistant to EMI and RFI interference



## FEATURES

- Up to 100m Maximum Length
- Low Power Consumption: 250mW (max)
- Bandwidth up to 18Gbps (6Gbps per channel)
- Dynamic synchronization of video and audio streams
- Supports premium video quality up to 4KX2K/60Hz and 3D
- Compatible with HDMI 2.0 standard.
- Support HDCP
- Self-detecting function for EDID information
- No loss of signal delivering crystal clear digital images instantly.
- Compatible with all devices that support HDMI
- No external power supply is required.

## APPLICATION

- Digital Signage
- LED signboards in streets and in stadiums
- Medical Imaging Equipment
- Airplane On-board Video System
- Home Theater
- Blue-ray, 3D Video, Projector, Set-up box, DVR, Game Consoles and Computer
- TV Broadcast Station
- Conference Room Video Equipment
- Security System

## SPECIFICATIONS

Item	Description	
Units	Transmitter (Source)	Receiver (Display)
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	6 Gbps/x3Channel (max)+ Clock.	
Resolution	4K@24/30/50/60Hz & 1080p/60 & 3D	
Supported Resolution & Distance	PC: WUXGA 1920 x 1200 up to 100 meters, HDTV : 480p, 720p, 1080i and 1080p deep color, 4K(60P), 3DFull HD 1920 x 1080 up to 100 meters	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	HDMI type A	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Cable Outer Diameter	4.5mm	
Jacket Outer Material	PVC/TPU	
Differential Input	100 ohm (typ)	
Power Consumption	250mW (max)	
Temperature	Operating: 0°C to 55°C (32°F to 122°F)      Storage: -40°C to 70°C (-40°F to 158°F)	
Power Supply	Non external power required	