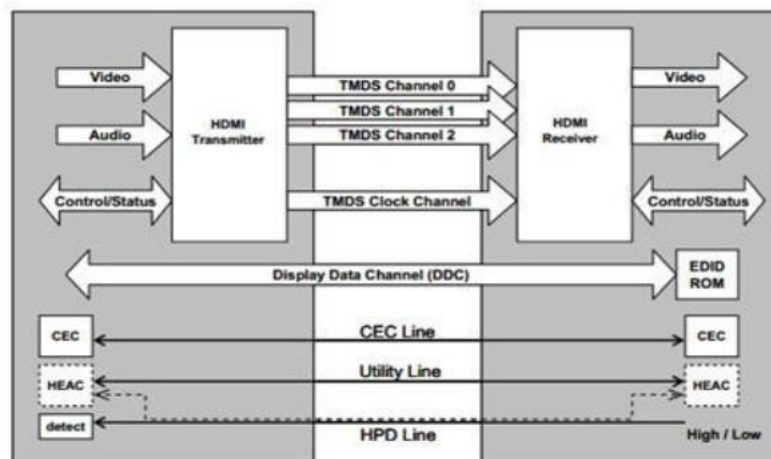




Introduction

This product is an HDMI2.0 active optical cable (AOC) with high bandwidth, low power consumption and low cost. Using optical fiber to replace copper wire as the high-speed signal transmission medium, it can perfectly transmit 4k@60hz UHD image up to more than 100 meters. Compared with the traditional copper wire, HDMI AOC is much longer, softer, more slim, with better signal quality and perfect CEC, HEAC feature. Compared with other HDMI optical fiber transmission solution, HDMI AOC is easy to use, has perfect compatibility, and no external power supply needed.

With the embedded optical engine, it can support the long distance transmission, and no extra power supply needed, real to plug and play.



Features

- Long distance transmission up to 100 meters(330ft)
- HDMI2.0 standard, support up to 4K@60hz UHD display
- Support HDCP2.2

- Support the ARC(less than 60m), bu couldn' t support Ethernet
- Plug and play without the external power needed
- Thinner(cable OD 4.8mm), lighter and softer than the normal copper cable
- Highly resistant to EMI and RFI

Specification

Cable Length	
Up to 100m (10m/20m/30m/40m/50m/70m/80m/90/100m)	
Interface	
HDMI2.0 type A - HDMI2.0 type A	
Bandwidth	
HDMI2.0, 18Gbps, support 4k@60(4:4:4)	
No external power needed $\leq 250\text{mw}$	
Mechanical / Condition	
Cable diameter	4.8mm
Bend Radius (Dynamic/Static)	40mm/20mm
Tensile Strength (Long term/Short term)	100N/200N
Crush Resistance(Long term/Short term)	200N/400N
Operating / Storage Temp	0~50°C / -20~70°C
Cable configuration	Mixed by: 4*Fiber+7*cooper+PE Jacket Fiber: 50/125 um module
Transducer	4 CH 850nm VCSEL/PIN
Working current	$\leq 45\text{mA}$
Power & Consumption	$\leq 250\text{mw}$
Finished OD	5.5±0.1mm
ARC	Shorter than 60m

Application

- 1) Home Theater
- 2) High definition Video Meeting System
- 3) Medical Video System
- 4) High definition Video Surveillance System

5) Digital Signage and TV Wall

Outdoor large screen display system



Medical, military image system



Home Theater



HD video conference



Cable details

