

**Pure Fiber Armored Ultra High Speed 48Gbps 8K60 HDMI 2.1 Active Optical Cable.**




**Features**

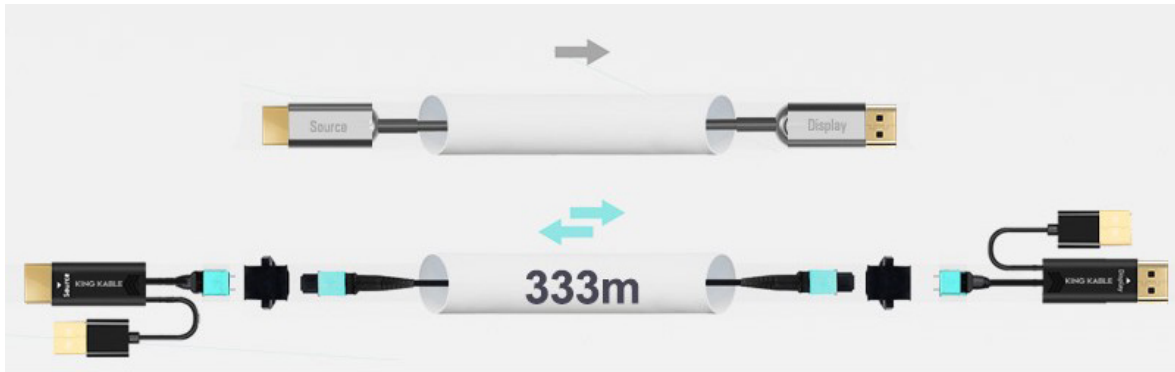
- Texas Instruments (TI) laser and Texas Instruments (TI) driver chip
- 6-core OM3 pure optical fiber cable as the transmission conductor, no copper cable inside, lossless transmission at the speed of light
- Detachable cable design, Modules can be disassembled and replaced
- Support HDMI2.1 standard and 10K/8K/4K120Hz HDR
- Support 100Gbps bandwidth ( optical fiber cable) and support modules version upgrade
- Support replacement of both ends of module, can be converted to HDMI/DP/DVI cable etc.
- Support 303m standard long-distance transmission (longer cables can be customized for single-featured equipment)
- Support backward compatibility with HDMI lower versions, HDCP 2.2 /2.3 and EDID automatic detection
- Support dynamic HDR/HDR10, eARC, VRR, ALLM, QMS, QFT, Dolby Atmos, Dolby Vision, DTS:X, etc.
- The diameter of cable is only 3.0mm, easy to install and does not take up space
- Excellent anti-radiation and anti-interference ability, perfectly solve EMI/RFI problems
- After cross-testing of various brands and models equipments which support HDMI2.1 standard (such as Nvidia RTX 3080/3090, AMD ,Xbox Series X, LG CX C9 B9, Samsung Q80T Q90T, computer, PS5, projector, DVD player, laptop, TV, etc.)
- Widely used in VR virtual equipment, home theaters, medical equipment systems, security monitoring, conference engineering, broadcasting systems, ships, etc.

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 **Live Chat**



### General

- Part Number: AOC-PF-AHDMI21
- Product Name: Pure Fiber Armored Ultra High Speed 48Gbps 8K60 HDMI 2.1 Active Optical

### Cable

- Features: 8K@60Hz, 4K@120Hz, HDR , eARC, etc.
- Length: upto 303m/1000ft
- Application: TV, Computer, Monitor, Projector, VR devices, Cameras, etc.

### Connector

- Interface Type: HDMI Type A Male to Male
- Interface Version: HDMI2.1
- Interface Material: 24K Gold-plated Copper

### Chipset

- Photoelectric Conversion Engine: 4 channel 850 nm VCSEL array+4 CH GaAs PD array
- Core Components: Laser + VCSEL + PD + Lens + Jumper
- Laser/Drive Chip: Texas Instruments(TI)/Texas Instruments(TI)
- Service life:  $\geq 60,000+$  Hours

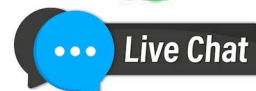
### Wire

- Structure: Armored 6\*Pure Optical Fiber Core (OM3)
- Filling: Kevlar bulletproof yarn (aramid)
- Jacket: PVC(UL)
- Diameter:  $\phi 4.5\text{mm}$

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### Housing

- Material: Zinc Alloy
- Diameter: 40\*19.5\*9mm
- Processing Technology: Electroplate
- Color: Gray

### Function

- Resolution: 8K@60Hz, 4K@120Hz,HDR
- Bandwidth: 48Gbps(12 Gbps x 4Channel)
- Chroma Subsampling: 4:4:4/4:2:2/4:2:0
- Color Depth: 12bit
- HDCP: HDCP2.3, HDCP2.2
- eARC/ARC: Yes
- Audio
  - Dolby® Atmos,DTS:X, LPCM 7.1 audio, Dolby® Digital Plus,Dolby®
  - TrueHD, and DTS-HD® Master Audio™
- Other: Dynamic HDR/VRR/G-SYNC/FREESYNC/ALLM/QFT/CEC etc.

### Specifications

- Bit Error Rate:  $\leq 0.0035\text{dB/m}$
- Operating Temperature:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- Stored Temperature:  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Working Humidity:  $< 90\%$ , No condensation
- Power Supply: TX:0.5W RX:0.5W, 5VDC
- Power Consumption: 250mw

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