

# HDMI 2.1 CABLE AOC 8K@60Hz



## Product Highlights / Features

- **High-Speed Performance** - HDMI 2.1 Active Optical Cable (AOC) supports up to **48Gbps bandwidth**, delivering ultra-fast, stable data transmission for 8K video and high-quality audio.
- **Ultra HD Resolution** - Supports **8K@60Hz 7680x4320** with full **4:4:4 colour sampling**, providing incredibly sharp, detailed, and immersive visuals.
- **HDR10+ Ready** - Enjoy enhanced contrast, brightness, and colour accuracy for lifelike picture quality on HDR-enabled displays.
- **E-ARC Support** - Built-in **Enhanced Audio Return Channel** enables high-definition audio transfer between your TV and AV receivers without extra cables.
- **Premium Connectors** - Features **24K gold-plated, blue-core, zinc-case HDMI connectors** for maximum conductivity, corrosion resistance, and signal stability.
- **Durable & Flexible Jacket** - **PVC ultra-soft jacket** provides protection against wear and tear while remaining flexible for easy installation.
- **Long-Distance, Lossless Transmission** - Active optical design ensures **zero signal loss** over long cable runs, perfect for large home theatres or professional AV setups.
- **Wide Compatibility** - Fully compatible with **8K/4K TVs, projectors, gaming consoles (PS5, Xbox Series X), AV receivers, PCs**, etc and backward compatible with HDMI 2.0/1.4 devices.



## Technical Specifications

<b>Brand</b>	EiRA
<b>Product Name</b>	HDMI 2.1 CABLE AOC 8K@60Hz
<b>SKU CODE</b>	ER1180AOC - 10M
	ER1181AOC - 15M
	ER1182AOC - 20M
	ER1183AOC - 25M
	ER1184AOC - 30M
	ER1185AOC - 50M
	ER1186AOC - 100M
<b>Cable Type</b>	Active Optical Fiber Cable (AOC)
<b>HDMI Version</b>	2.1V
<b>Outer Diameter (OD)</b>	4.8mm for all
<b>Maximum Resolution</b>	7680x4320P 8K@60Hz
<b>Bandwidth</b>	48 Gbps, 4:4:4
<b>HDR Support</b>	HDR10+ Ready
<b>e-ARC Support</b>	Yes
<b>Connector</b>	24K Gold Plated Blue Core Connector, Zinc-Case
<b>Shielding</b>	Triple braiding shielding, PVC Ultra Soft flexible Jacket, grey colour
<b>3D Support</b>	Yes
<b>Signal Transmission</b>	Long-distance, zero signal loss
<b>Compatibility</b>	Backward compatible with HDMI 2.0V / 1.4V
<b>Applications</b>	8K/4K TVs, Projectors, PS5, Xbox Series X, AV Receivers, PCs, etc

## Application industries

**Pro-AV & Digital Signage:** Used for large-scale video walls in malls, airports, and command centres where signal must travel long distances (up to 100m) without loss.

**Medical Imaging:** Critical for 8K surgical displays and radiology units where high detail and zero electrical interference (EMI) are required.

**Gaming & E-Sports:** Essential for lag-free gaming in arenas, supporting 8K resolution and high refresh rates (4K@120Hz) for consoles and high-end PCs.

**Broadcasting & Cinema:** Used in editing suites and film sets for real-time 8K monitoring and high-fidelity colour grading.

**Premium Home Theatre:** Enables connections between distant equipment racks and 8K projectors or OLED TVs in luxury residential setups.



## Advantages of AOC Cables

Industry	Key Requirement	AOC Benefit
Commercial	Long distance	No signal loss up to 100m.
Medical/Industrial	EMI/RFI Interference	Optical fiber is immune to electrical noise.
Gaming/Live Event	Low Latency	Instantaneous signal transmission with high bandwidth.

## Support

For technical support, contact us at:

- ☐ +91-8800692207 (Mon–Sat, 11:00 AM – 5:30 PM)
- ☐ Check this link for all support options: <https://eiratek.com/customer-support/>