

PEAPSONIC HDMI 2.1 8K Active Optical Cable (AOC) is a high-performance solution designed to deliver exceptional video and audio quality. With 48Gbps bandwidth, it supports up to 8K@60Hz resolution, 4:4:4 color, and 12-bit color depth for stunning clarity and vivid colors.

Built with advanced optical fiber technology, this cable ensures zero signal loss over long distances up to 30 meters. It supports HDCP 2.2, HDR10, eARC, and all HDMI 2.1 features, making it perfect for home theaters, gaming, digital signage and professional AV installations.

48 Gbps	8K 60Hz	4:4:4	HDR 10	HDCP	AOC
Ultra High Speed 48Gbps	8K@60Hz Resolution	Chroma Subsampling	High Dynamic Range	HDCP 2.2 Support	Active Optical Cable



FEATURES

- Supports up to 8K@60Hz resolution
- Ultra High Speed 48Gbps bandwidth
- Supports 4:4:4 chroma subsampling and 12-bit color depth
- HDR10 for enhanced contrast and vivid colors
- HDCP 2.2 for secure content transmission
- Supports eARC, CEC, EDID, DDC, 3D
- Zero signal loss over long distances up to 30 meters
- Active Optical Cable (AOC) technology
- Zinc Alloy Gold Plated Connectors
- EMI resistance for stable and reliable performance
- Plug & Play – No external power required
- Flexible and durable PVC jacket for easy installation

APPLICATIONS

 8K TVs & Displays	 Projectors	 Gaming Consoles	 Home Theater Systems
 PC & Laptops	 Digital Signage	 Broadcast & Studios	 Professional AV Systems
 Corporate Installations	 Education & Training	 Events & Stage	 Medical Imaging

AOC TECHNOLOGY BENEFITS

Active Optical Cable (AOC) uses optical fibers and copper wires to deliver high-speed data and power over long distances without signal degradation.

 High Bandwidth & Stability	 Zero Signal Loss	 Lightweight Flexible	 Small Bend Radius	 EMI / RFI Immunity	 Long Distance Reliability
--------------------------------	----------------------	--------------------------	-----------------------	------------------------	-------------------------------

AVAILABLE LENGTHS

10 METER 32 FT	20 METER 65 FT	30 METER 98 FT
--------------------------	--------------------------	--------------------------

HDMI 2.1 ULTRA HIGH SPEED	48 Gbps Bandwidth	8K 60Hz Resolution	eARC Audio Return Channel	30M MAX Length
-------------------------------------	--------------------------------	---------------------------------	-------------------------------------	-----------------------------

SPECIFICATIONS

HDMI Standard	HDMI 2.1
Bandwidth	Up to 48Gbps
Max Resolution	8K@60Hz (7680 x 4320) 4K@120Hz / 4K@144Hz
Color Support	4:4:4 Chroma Subsampling, 12-bit Color Depth
HDR Support	HDR10
HDCP Support	HDCP 2.2
Audio Support	eARC, ARC, Dolby TrueHD, DTS-HD Master Audio
Features Supported	eARC, CEC, EDID, DDC, 3D, EMI
Connectors	
Connector 1	HDMI Type-A Male
Connector 2	HDMI Type-A Male
Connector Plating	Gold Plated
Connector Housing	Zinc Alloy
Cable Construction	
Cable Type	Active Optical Cable (Hybrid AOC)
Optical Fiber	Multimode Fiber
Conductor	Tinned Copper
Shielding	EMI Shielded
Jacket Material	PVC
Cable Diameter	4.8 ± 0.2 mm
Color	Black
Environmental	
Operating Temperature	-20°C ~ 70°C
Storage Temperature	-20°C ~ 85°C
Humidity	0% ~ 85% RH (Non-condensing)
Compliance	
Certifications	CE, FCC, RoHS

PACKAGE CONTENTS

- 1 x HDMI 2.1 8K Active Optical Cable
- 1 x User Manual