



Product: [HA21AAxxxx](#)

HDMI 2.1 Active Optical cable, 4K@60Hz, 4K@100Hz, 4K@100Hz, 8K@60Hz

Product Description

HDMI 2.1 Active Optical cable, supports up to 4K@60Hz, 4K@100Hz, 4K@100Hz, 8K@60Hz(color space 4:4:4) and bandwidth of 48Gbps, multi-channel audio, Dolby ture HD, DTS-HD master audio, eARC (Enhanced Audio Return Channel), CEC, DCP (2.2), High Dynamic Range (HDR), Variable Refresh Rate (VRR), Quick Media Switching (QMS), Quick Frame Transport (QFT), Auto Low Latency Mode (ALLM) etc.

Technical Specifications

Product Overview

Suitable Applications:	Blue ray, 3D Video, Projector, DVR. G ame Consoles, LED signboards in the stadiums, squares etc., TV station, Augmented reality/virtual reality (AR/VR), Security & monitor systems, Home Theater
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Physical Characteristics (Overall)

Outer Jacket

Color	Diameter - Tolerance
Black	4.5 mm

Connectors

Materials

Description	Material
Contacts	Gold plated
Housing	Zinc alloy

Electrical Characteristics

Data Rate:	48 Gbps
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Power Rating

Max. Power Rating [W]
0.25 W

Temperature Range

Operating Temperature Range:	0°C To +50°C
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Mechanical Characteristics

Min. Bend Radius During Installation:	90 mm
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Termination Interface

Connection
Type A

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2011/65/EU (RoHS 2):	Compliant

Suitability

Suitability - Indoor:	Yes
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Related Part Numbers

Variants

Item #	Color	Length
HA21AA005M	Black	5 m
HA21AA07M5	Black	7.5 m
HA21AA010M	Black	10 m
HA21AA015M	Black	15 m
HA21AA020M	Black	20 m
HA21AA001M	Black	1 m
HA21AA002M	Black	2 m
HA21AA003M	Black	3 m
HA21AA030M	Black	30 m
HA21AA040M	Black	40 m
HA21AA050M	Black	50 m
HA21AA060M	Black	60 m
HA21AA070M	Black	70 m
HA21AA080M	Black	80 m

Footnote:	The Plug must be connected to the right direction to function properly. DO NOT over-bend/twist/Kink the cable behind the connector. Handle with Plug housing instead of cable when pull/insert the plug into socket.
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Product Notes

Notes:	Upto 20m signal integrity transmission, Plug and play for quick deployment, reduced EMI & RFI interference
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History

Update and Revision:	Revision Number: 0.18 Revision Date: 08-27-2025
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