

OptoHD HDMI 2.0 AOC Assemblies >

OptoHD HDMI 2.0 Active Optical Cable Assemblies offer familiar passive plug-and-play interfaces with reliable signal integrity performance up to 100.0m, and they deliver uncompressed video with superior resolution

FEATURES AND ADVANTAGES

High-speed fiber optics

Transmits data over long lengths (up to 100.0m) without multiple connection points. Offers reliable signal integrity. Provides a future-proofed cable solution

Transmits ultra-high definition 4k and 8k and 3-dimensional displays

Supports high-quality video transmission for applications such as home theaters and videomonitors in both conference and operating rooms

Available with standard type A and micro type D connectors

Appropriate for a range of applications



Molex OptoHD HDMI 2.0
AOC Assembly

Integrated AOC assembly utilizes optical cable

Ensures high-definition resolution across long distances (compared to copper) for consumer applications future-proofed cable solution

EMI/RFI resistant

Delivers stable performance in high-interference environments

Supports high dynamic range (HDR)

Meets or exceeds expectations of today's marketplace

MARKETS AND APPLICATIONS

Consumer

Personal computers
Blu-ray/DVD
Set-top boxes
Monitors
Laptops
Gaming consoles

Smart Phones and Mobile Devices

Tablets
Augmented reality/virtual reality (AR/VR)

Medical

Surgical equipment
Patient monitoring

Industrial Automation

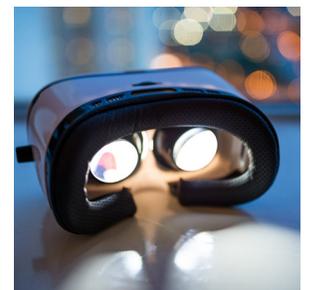
Monitors



Smart Phones and Tablets



Patient Monitoring



AR/VR Headsets

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SPECIFICATIONS

MECHANICAL

Cable Color: Black
 Cable Diameter: 3.80mm
 Bulkhead Dimensions:
 Type A: 30.00 by 18.00 by 10.00mm
 Type D: 28.00 by 11.50 by 8.20mm
 Operational Bend Radius: 10.00mm
 Length: 1.0 to 100.0m
 Cable Weight: 19.7 g/m
 Cable Horizontal Tensile Strength: 800N
 Pull Force: 200N

PHYSICAL

Backshell: Glossy Plastic Shell (ABS + PC)
 Contact: Nickel or Gold-Plated Phosphorous Bronze
 Cable: Fire Rating CMP with 7X AWG 26 Copper
 Wires and 4X MultiMode Fibers
 Operating Temperature: -0 to +70°C

ORDERING INFORMATION

Series No.	Connector	Lengths (m)
106413-3xxx	HDMI	1, 3, 5, 10, 20, 30, 50, 100

Series No.	Description
Contact Molex	Custom OptoHD AOC Assemblies

www.molex.com/link/optocableassemblies.html