

50ft (15m) USB-C to HDMI 2.0 Active Optical Cable (AOC), 4K 60Hz, CL3 Rated, Unidirectional USB Type-C to HDMI Adapter Cable

Product ID: 146B-USBC-HDMI4K-AOC



Connect a 4K 60Hz HDMI display to a DP Alt Mode-enabled USB Type-C source up to 50 feet (15.2 meters) away with this USB-C to HDMI Active Optical Cable.

The USB-C to HDMI Active Optical Cable is designed for long-distance connections to overcome the limitations of standard copper cables. Its fiber optic inner core reduces electromagnetic interference (EMI), ensuring optimal signal quality with minimal signal degradation. EMI shielding reduces noise and improves signal clarity and stability.

This cable integrates a video adapter and cable, minimizing points of failure and signal loss. The HDMI Connector has a built-in 1.4ft (43.5cm) USB Type-A power cable, which is required to connect to an available USB port or USB wall charger (not included). HDR support includes 8/10bit RGB and YCbCr 4:4:4 for accurate color reproduction.

Universal Adapter Cable does not require additional drivers or software installation. Compatible with all hardware platforms and operating systems including Windows, macOS, ChromeOS, and Linux. This USB Type-C to HDMI Adapter Cable works with laptops and devices that support USB-C DP Alt Mode, USB4, Thunderbolt 3, and Thunderbolt 4.

The OM3 multi-mode HDMI fiber optic cable features a durable PVC jacket, strain relief, and active booster for reliable transmission over long distances. This cable is lightweight, making it easy to route through walls or cable runs, store when not in use, and transport when needed.

Certifications, Reports and Compatibility





Applications

- Connect a USB Type-C device to a 4K display without installing drivers or software
- Deliver 4K 60Hz video over longer distances with minimal signal degradation
- CL3 Rated for in-wall installations

Features

- **DESIGNED FOR LONG RANGE:** 50ft/15.2m USB-C to HDMI Active Optical Cable supports 4K 60Hz beyond the length of standard copper cables; Fiber optic inner cores reduce EMI ensuring optimal signal quality with minimal degradation; NOTE: Cable is unidirectional
- **INTEGRATED ADAPTER CABLE WITH HDR:** Integrated adapter and cable minimizes failure points/signal loss; Supports HDR for accurate color reproduction; HDMI Connector w/1.4ft (43.5cm) USB-A power cable (required) for connection to USB-A port or wall charger
- **NO DRIVERS OR SOFTWARE:** Universal Adapter Cable is compatible with all hardware platforms and any operating system (i.e., Windows, macOS, Linux); USB Type-C to HDMI Cable works with USB-C DP Alt Mode, USB4, Thunderbolt 3, and Thunderbolt 4 laptops/devices
- **DURABLE OPTICAL CABLE:** OM3 Multi-Mode HDMI fiber optic cable features a PVC jacket, strain relief, and an active booster for reliable long-distance transmission; EMI shielding for noise reduction; Lightweight, easy to route, store, and transport
- **TECH SPECS:** Color: Black; Length: 50 foot (15.2 meters); Unidirectional USB-C source to HDMI display; Cable Outer Diameter: 4.5mm; HDMI 2.0 supporting HDCP 1.4/2.2, HDR10, CEC, ARC, and 7.1ch audio; Supports 8/10bit RGB and YCbCr 4:4:4; Fire Rating: CL3

Hardware

Warranty	3 Years
Active or Passive Adapter	Active
AV Input	USB-C
AV Output	HDMI
Audio	Yes
Cable Jacket Material	PVC
Fire Rating	CL3 Rated

Chipset ID REALTEK2172

Performance

Video Revision	HDMI 2.1 TMDS
Maximum Digital Resolutions	3840 x 2160 60Hz
Wide Screen Supported	Yes
Audio Specifications	HDMI - 7.1 Channel Audio

Connector(s)

Connector B	1 - USB 2.0 Type-A
Input Connector(s)	1 - USB-C (DP Alt-Mode)
Output Connectors	1 - HDMI

Software

OS Compatibility	No Drivers or Software Required
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Special Notes / Requirements

Note	This USB Type-C to HDMI Adapter Cable is unidirectional and only operates from a USB-C source to an HDMI display.
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Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-10C to 75C (14F to 167F)
Humidity	20% ~ 75% RH

Physical Characteristics

Color	Space Gray
Accent Color	Black
Cable Length	50.0 ft [15.2 m]
Product Length	50.0 ft [15.2 m]
Product Width	0.8 in [2.0 cm]
Product Height	0.4 in [1.1 cm]

Weight of Product	1.5 lb [0.7 kg]
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Packaging Information

Package Quantity	1
Package Length	9.2 in [23.4 cm]
Package Width	8.8 in [22.4 cm]
Package Height	1.5 in [3.9 cm]
Shipping (Package) Weight	1.2 lb [0.5 kg]

What's in the Box

Included in Package	1 - USB-C to HDMI Cable
	1 - Quick-Start Guide

**Product appearance and specifications are subject to change without notice.*