UC2HD860-18-M1

EN

USB Type-C to HDMI 8K@60 Converter | **Metal Housing, Nylon-Braided Cable** | **DP 1.4 Alternate Mode**

OVERVIEW

The UC2HD860-18-M1 is a high-performance 8K USB-C to HDMI 2.1 adapter with an integrated 1.8 m male-to-male nylon-braided cable and metal housing. Optimized for office workstations, meeting rooms, control rooms and digital signage deployments, it transmits video signals via DisplayPort 1.4 Alternate Mode from compatible USB-C hosts.

It supports video resolutions up to 8K@60Hz and 4K@240Hz. HDR support delivers elevated peak brightness, enhanced contrast ratio and an extended colour gamut for clear, natural imagery. This bus-powered adapter eliminates the need for an external power supply. The reversible USB-C connector enables driver-free plug-and-play operation. VRR (Variable Refresh Rate) is not supported.



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8K USB-C to HDMI 2.1 Adapter

FEATURES

- Ultra-high resolution output up to 8K@60Hz
- DP 1.4 Alternate Mode | 8K@60Hz / 4K@120Hz
- HDR support for digital signage and colour grading
- Driver-free operation, no software installation required
- Reversible USB-C connector, plug-and-play
- Host USB-C port must support DisplayPort 1.4 Alternate Mode

IMPORTANT NOTES

Designed exclusively for USB-C ports with native DisplayPort Alternate Mode video output capability. Audio playback through the connected display may require manual system configuration. Refer to the host device's user manual for details.

Bus-powered from the host USB-C port. Insufficient or unstable VBUS supply may cause detection failure or intermittent operation. Compatibility varies depending on host hardware, display hardware and operating environment. Universal compatibility across all devices is not guaranteed.

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SPECIFICATIONS

AV INTERFACE

Interface	USB Type-C Input to HDMI Output
Standard	HDMI 2.1
Maximum Resolution	7680 × 4320 @ 60 Hz
Supported Hosts	USB-C / Thunderbolt computers equipped with DisplayPort Alternate Mode (including Apple Silicon Macs)

AUDIO & VIDEO

Audio	Supported via HDMI (embedded)
Separate Audio Jack	None
Special Features	DisplayPort Alternate Mode, HDR

CONNECTORS

Input	1 × USB Type-C Male
Output	1 × HDMI Male
Power	Bus-Powered

MACOS COMPATIBILITY NOTES

- macOS imposes inherent system-level restrictions on video output over DisplayPort Alternate Mode. Although the adapter hardware supports 8K@60Hz and 4K@240Hz, most Apple Silicon Macs are limited to a maximum output of 4K@60Hz.
- Base M1 / M2 / M3 Mac models can drive only one external display via DP Alternate Mode.
- The unit is bus-powered; inadequate current capacity from the Mac USB-C port may lead to unstable device enumeration.
- Native macOS support for HDMI 2.1 FRL is limited, and compatibility behaviour varies by macOS release version.
- Direct connection to the Mac's native USB-C / Thunderbolt port is recommended. Daisy-chaining through hubs or docking stations should be avoided.