



## HDMI 2.0 EQ Female-to-Female Equalizer Brochure

## Product Overview

The HDMI EQ is an HDMI 2.0 equalizer specifically designed to solve the problem of signal attenuation in long-distance transmission. It adopts a dual female HDMI connector design, making it suitable for various transmission scenarios. It can effectively enhance signal quality and ensure stable transmission, extending the original transmission distance of coaxial cables by at least 7-8 meters. Compliant with the HDMI 2.0 standard, it offers backward compatibility. And it can automatically compensate for signals according to the cable length. When there is no signal transmission, it will automatically switch to a low-energy consumption state. In addition, it optimizes the transmission path, compensates for frame drops or loss caused by insufficient power during long-distance transmission via AOC (Active Optical Cable) or coaxial cables, and strengthens signal intensity.



## Product Features

- Designed specifically to address signal attenuation in long-distance transmissions.
- Automatically adjusts signal compensation based on cable length.
- When no signal is detected, the EQ enters an auto low-power mode to reduce energy consumption.
- Complies with HDMI 2.0 standards for seamless compatibility with various transmission devices.
- Ideal for diverse scenarios, effectively solve the problem of signal attenuation.

Equipped with a Type-C 5V external power port for optional external power supply.

- Zinc alloy housing with dimensions: 46.8mm\*20.6mm\*10mm.

## Product Views



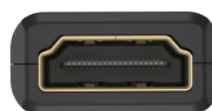
Front



Back



Side



Interface



Power Cord

## Product Specifications

Name	Specifications
Product Name	HDMI 2.0 EQ Female-to-Female Equalizer
Connector Type	HDMI Female
Signal Type	HDMI 2.0
Housing Material	Zinc Alloy
Connector Size	46.8mm*20.6mm*10mm
Environmental Info	RoHS 2.0 Compliant
Resolution	3840*2160@60Hz
HDR	Yes
DDC	Yes
HDMI Audio	Yes
3D	Yes
HDCP	Yes
EDID	Yes
VRR	Yes
BT.2020 Color Space	Yes
Plug and Play	Yes

Name	Specifications
ESD Protection	Yes
Hot Plug	Yes
Equalizer Chip	Yes
Transmission Rate	18Gbps
Delay	Zero
Compression	None
Deep Color	Yes
Sampling Rate	Bandwidth Range: 8~12bit
Sampling Ratio	RGB 4:4:4, YUV 4:4:4, YUV 4:2:2, YUV 4:2:0

## Application Diagram



## Product Size



### HDMI 2.0 EQ Female-to-Female Equalizer

Product Model	HDMI EQ
Connector Size	46.8*20.6*10mm



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