

# TECHNICAL SPECIFICATION

## EHF-205



**Description:** HDMI 2.0b 18Gbps Single Fiber Extender, Wallplate Tx / Receiver Rx

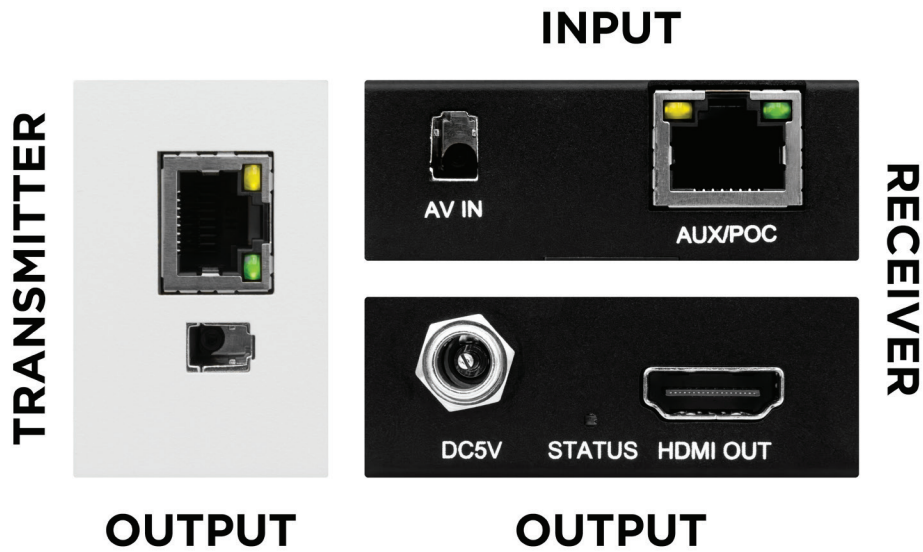
**Why Use This Product:** Using photoelectric processing technology, this product can transmit HDMI 2.0 signals over extended distances via single fiber without compression or signal degradation.

### Key Features

- HDMI 2.0b (18Gbps) and HDCP 2.2 Compliant
- Supports resolutions up to 4K@60Hz
- Supports 100m multi-mode OM3 fiber and CAT6
- Uncompressed video transmission with zero latency
- Supports HDR10 and HDR10+
- Supported audio formats include Dolby Atmos, TrueHD, Digital+, Digital, DTS X, HD Master Audio, HD High Resolution Audio, 5.1, PCM 2-8Ch
- Transmitter wallplate is available in both clear anodized and stainless steel finishes



**4K UHD**



HDMI 2.0b 18G Single Fiber Extender  
Wallplate Tx and Box Rx

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Revision Number:	1
Date:	12-12-2023
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### Technical Specifications

#### Technical

HDMI Compliance.....HDMI 2.0b  
HDCP Compliance.....HDCP 2.2  
Video Bandwidth.....18Gbps  
Video Resolution.....4K@60Hz  
Color Space.....RGB, YCbCr 4:4:4, YCbCr 4:2:0  
Color Depth.....10-bit, 12-bit  
HDMI Audio Formats.....Dolby Atmos, TrueHD, Digital+, Digital, DTS X, HD Master Audio, HD High Resolution Audio, 5.1, PCM 2-8Ch

#### Transmitter Connections

Input Ports.....1 HDMI Type A (19-pin Female)  
Output Ports.....1 AUX & PoC CAT6 (RJ45), 1 AV (Multi-Mode LC Fiber)

#### Receiver Connections

Input Ports.....1 AUX & PoC CAT6 (RJ45), 1 AV (Multi-Mode LC Fiber), 1 Service Port (USB-C), 1 DC5V Power Input  
Output Ports.....1 HDMI Type A (19-pin Female)

#### Mechanical

Housing (Transmitter).....Metal Enclosure (Wallplate can be Stainless Steel or Clear Anodized)  
Housing (Receiver).....Metal Enclosure (Black Aluminum)  
Dimensions (Transmitter).....66mm (L) x 70mm (W) x 144mm (H)  
Dimensions (Receiver).....76mm (L) x 55mm (W) x 21mm (H)  
Weight (Transmitter).....192g  
Weight (Receiver).....125g  
Power Supply.....5V / 3A  
Power Consumption.....3 Watts Each (Tx and Rx)  
Operation Temperature.....32° - 104°F / 0° - 40°C  
Storage Temperature.....-4° - 140°F / -20° - 60°C  
Relative Humidity.....20 - 90% RH (No Condensation)

### HDMI 2.0b 18G Single Fiber Extender Wallplate Tx and Box Rx

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