

# TECHNICAL SPECIFICATION

## EHB-232-W



**Description:** 4K 60Hz 2x1 HDBaseT Extender with USB-C / HDMI Inputs

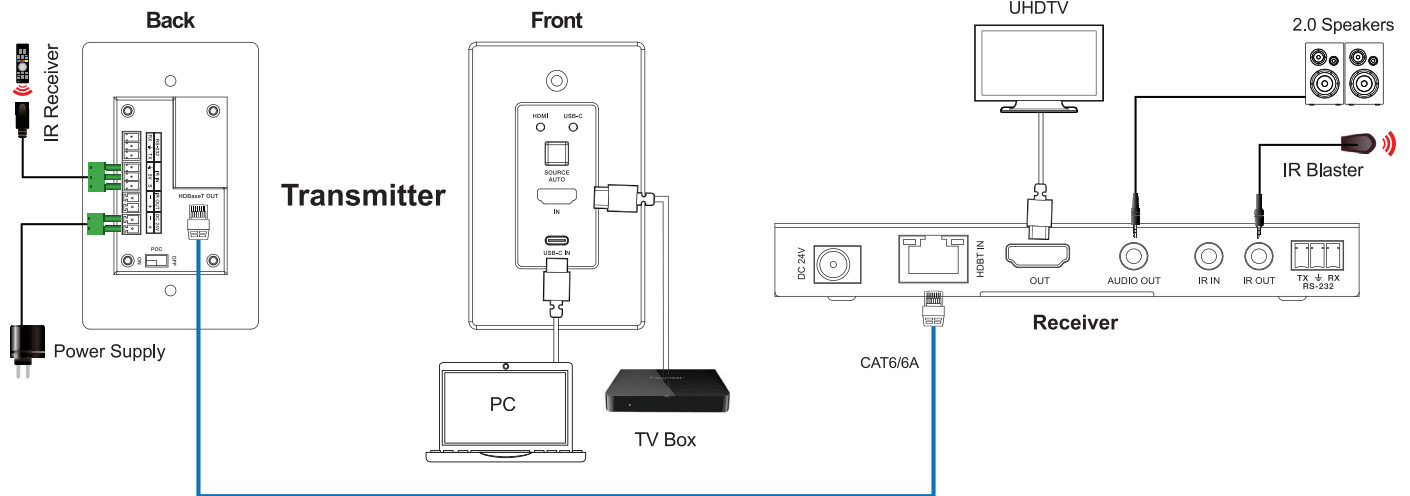
**Why Use This Product:** Featuring both HDMI and USB-C inputs, this HDBaseT set can transmit 4K 60Hz 4:4:4 video signals up to 394ft over a single CAT6/6a cable. This extender can be used in a wide variety of scenarios such as demonstrations, video conferences, multimedia teaching and other HDMI signal extension occasions.

### Key Features

- DP 1.4, HDCP 2.2 compliant
- **TX Inputs:** 1x HDMI and 1x USB-C
- **Resolutions:** Up to 4K@60Hz 4:4:4 18Gbps
- **Max Distance 4K 60Hz:** 394ft (120m)
- **Max Distance 1080P 60Hz:** 492ft (150m)
- Supports auto and manual switching
- LPCM 7.1CH, Dolby TrueHD, DTS-HD Master Audio
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- Bi-directional IR, RS-232, CEC transmission
- Support bi-directional PoC



**4K UHD**



### 4K 60Hz 2x1 HDBaseT USB-C / HDMI Extender

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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 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth.....	8-bit, 10-bit, 12-bit
HDR.....	HDR, HDR10, HDR10+, Dolby Vision, HLG
HDMI Audio Formats.....	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus (DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
L/R Audio Format.....	LPCM 2.0CH
IR Level.....	5Vp-p
IR Frequency.....	Wideband 20K-60KHz
Transmission Distance.....	Up to 394ft (120m) for 4K 60Hz 4:4:4, Up to 492ft (150m) for 1080P@60Hz 4:4:4
ESD Protection.....	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

#### Transmitter Connections

Input Ports.....	1x USB-C Female, 1x HDMI Female
Output Ports.....	1x HDBaseT RJ45
Control.....	1x RS-232 3-Pin Phoenix, 1x IR IN 3-Pin Phoenix, 1x IR OUT 2-Pin Phoenix
Power.....	DC 24V/1A IN 2-Pin Phoenix
PoC Switch.....	Switch to ON to enable PoC function; switch to OFF to disable PoC, and the transmitter is powered from local power supply at this time

#### Receiver Connections

Input Ports.....	1x HDBaseT RJ45
Output Ports.....	1x HDMI Female, 1x AUDIO 3.5mm Jack
Control.....	1x IR IN 3.5mm Jack, 1x IR OUT 3.5mm Jack, 1x RS-232 3-Pin Phoenix, 1x Service Mini-USB
Power.....	DC 24V/1A Coaxial

#### Mechanical

Transmitter / Receiver Housing.....	Metal Enclosure
Color.....	Transmitter: White and Black   Receiver: Black
Transmitter Dimensions.....	69.8mm [W] × 39mm [D] × 114mm [H]
Receiver Dimensions.....	140mm [W] x 65mm [D] x 18mm [H]
Weight.....	Transmitter: 203g   Receiver: 155g
Power Supply Input.....	AC 100-240V 50/60Hz (US/EU standard, CE/FCC/UL certified)
Power Supply Output.....	DC 24V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption.....	Transmitter: 4.5W (Max)   Receiver: 4.7W (Max)
Operation Temperature.....	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature.....	-20°C ~ 60°C / -4°F ~ 140°F
Operation Humidity.....	20%~80% relative humidity, non-condensing
Storage Humidity.....	10%~90% relative humidity, non-condensing

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