

TECHNICAL SPECIFICATION

EHB-232



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

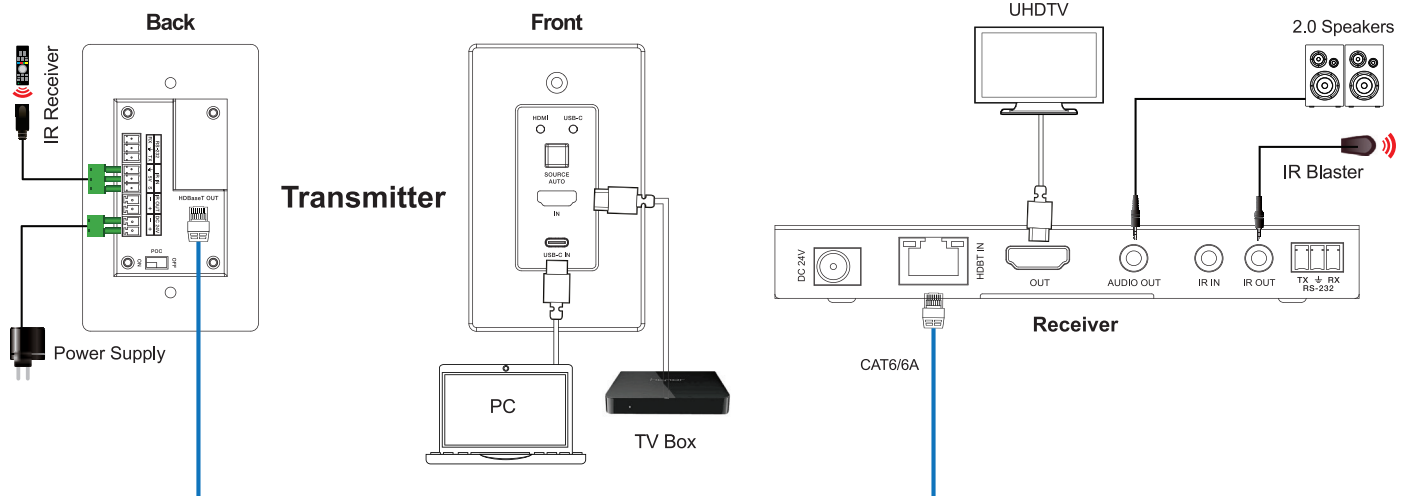
Why Use This Product: Featuring both HDMI and USB-C inputs, this HDBaseT set can transmit 4K 60Hz 4:4:4 video signals up to 394ft over a single Cat 6/6a cable. This extender can be used in a wide variety of scenarios such as demonstrations, video conferences, multimedia teaching and other HDMI signal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

Key Features

- DP 1.2, 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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