

TECHNICAL SPECIFICATION

ECB-200



Description: 18Gbps USB-C over HDBaseT 3.0 Extender (70m) with USB 2.0

Why Use This Product: This 18Gbps HDBaseT 3.0 extender can extend USB-C video and USB 2.0 signals up to 230ft for 1080P 60Hz and 130ft for 4K 60Hz via a single CAT6A/7 cable. It can also easily be installed hidden in a discrete location with its built in mounting brackets.

Key Features

- HDBaseT 3.0 extender with USB-C input
- Resolutions up to 4K60Hz 18Gbps
- Extend 4K60Hz up to 130ft (40m) over Cat 6a/7
- Extend 1080P 60Hz up to 230ft (70m) over Cat 6a/7
- HDR, HDR10+, Dolby Vision LLM and HLG pass-through
- HDCP 2.3 compliant
- Transmitter has 1x USB-C input, 1x USB-C charging
- USB-C input supports DP-ALT mode standards (v1.2a)
- Receiver has 1x HDMI output and 4x USB 2.0 devices
- USB 2.0 high speed over HDBaseT 3.0
- Each USB-A port provides power up to 5V/1A
- RS-232 signal pass-through
- Audio passthrough
- Bidirectional 24V PoC (power over cable)



4K UHD



18G USB-C over HDBaseT 3.0 Extender

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Technical Specifications

Technical

HDMI Compliance.....	HDMI 2.0b
HDCP Compliance.....	HDCP 2.3
USB Compliance.....	USB 2.0
Video Bandwidth.....	18Gbps
Video Resolution.....	4K@60Hz
Color Space.....	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth.....	8bit, 10bit, 12bit
HDR.....	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats.....	LPCM 2.0/5.1/7.1CH, Dolby True HD, Dolby Atmos, DTS-HD Master Audio and DTS:X
Transmission Distance.....	4K 60Hz - 130ft, 1080P 60Hz - 230ft, USB 2.0 - 230ft
ESD Protection.....	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connections

Transmitter

Input Ports.....	1x Charge USB-C, 1x USB-C, 2x USB-A, 1x RS-232, 1x DC 24V, 1x Service USB-C
Output Ports.....	1 x HDBaseT RJ45

Receiver

Input Ports.....	1x HDBaseT RJ45, 1x DC 24V, 1x Service USB-C
Output Ports.....	1x HDMI, 1x USB-C, 3x USB-A, 1x RS-232

Mechanical

Housing.....	Metal Enclosure
Color.....	Black
Dimensions.....	120mm [W] x 113mm [D] x 25.5mm [H]
Weight.....	Transmitter: 353g, Receiver: 352g
Power Supply.....	Input: AC 100 - 240V 50/60Hz, Output: DC 24V/2.7A (US/EU standard, CE/FCC/UL certified)
Power Consumption.....	Tx/Rx with full USB devices: 51.36W, Tx/Rx without USB devices: 10.08W
Operation Temperature.....	32° - 104°F / 0° - 40°C
Storage Temperature.....	-4° - 140°F / -20° - 60°C
Relative Humidity.....	20% - 80% relative humidity, non-condensing

TRANSMITTER



RECEIVER



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