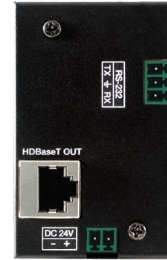


TECHNICAL SPECIFICATION

EHB-250-W



Back View



Back View

Introduction

This HDBaseT transmitter extends HDMI over a single CAT5e/6/6A cable transmitting **18Gbps 4K2K@50/60Hz (4:4:4)** up to 132ft/40m and 4K2K@50/60Hz (4:2:0) and 4K30Hz (4:4:4), or 1080P up to 328ft/100m. This product offers support for one independent analog audio, one way RS232 signal pass-through with HDMI and USB unidirectional signal transmission. This powerful product combo is perfect for classrooms and meeting room applications.

Features

- HDMI 1.4b, HDCP 2.2 / HDCP 1.4
- Resolutions up to 2160p@60Hz (4K-18G)
- HDBaseT over a single CAT 6/6A cable up to 328ft/100m distance at 1080p or 132/40m distance at 4K60
- One HDMI input, 1 Gang US Decora Wall Plate
- Supports USB 2.0
- Supports HDR, CEC pass-through

HDBaseT 4K HDMI Set with USB2.0 and Audio

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TECHNICAL SPECIFICATION

EHB-250-W



Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolutions	4K2K@50/60Hz 4:4:4, 4K2K@30Hz 4:4:4 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Analog Audio Formats	LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH
ESD Protection	Human body model - +/- 8kV (air-gap discharge) & +/-4kV (contact discharge)

Connections	
Transmitter	Inputs: 1x HDMI Type A [19-pin female] 1x AUDIO IN [3.5mm earphone] 1x USB [USB-B]
	1x RS-232 [3-pin phoenix] 1x DC 24V/GND [2-pin phoenix] Output: 1x HDBaseT OUT [RJ45]
Receiver	Inputs: 1x HDBaseT IN [RJ45] 1x DC 24V [locking power]
	Outputs: 1x HDMI Type A [19-pin female] 1x AUDIO OUT [3.5mm earphone] 1x RS-232 [3-pin phoenix] 2x USB [USB-A]

Mechanical	
Housing	Metal Enclosure
Color	TX: White-Front Panel, Black-Rear Case, RX: Black
Dimensions	TX: 103.5mm [W] x 46mm [D] x 30mm [H] RX: 140mm [W] x 75mm [D] x 23mm [H]
Weight	TX: 163g, RX: 200g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 24V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	9W (Max)
Operation Temperature	32 - 104 °F / 0 - 40 °C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

HDBaseT 4K HDMI Set with USB2.0
and Audio

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