

TECHNICAL SPECIFICATION EHB-100



Description: HDBaseT set allows for full use of HDMI and controls over a CAT5e/6/6A cable.

Why This HDBaseT Set? This HDMI Extender transmits high definition video and audio, RS-232 and bi-directional IR up to distances of 230ft (70 meters) via a single CAT6/6A cable. It supports resolutions up to 2160p@30Hz (4K-10G) with support for HDCP 2.2. The set includes PoC power extension and two-way IR to control both source and display making any professional A/V set-up more efficient and easier to use.

Key Features

- HDMI 1.4b, HDCP 2.2 and 1.4
- Video resolutions up to 2160p@30Hz (4K-10G)
- Audio up to 7.1 channels of High Definition audio pass through (LPCM, Dolby TrueHD, and DTS-HD Master Audio).
- Supports HDMI High Bit Rate (HBR) audio pass through
- Wideband IR emitter and receiver
- POC (Power Over Cable) functionality is supported, either TX or RX is powered by a 24V@1A power supply. POC Power consumption is less than 10W.

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Revision Number:	1
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HDBase-T Slim-Line Transmitter/Receiver Set

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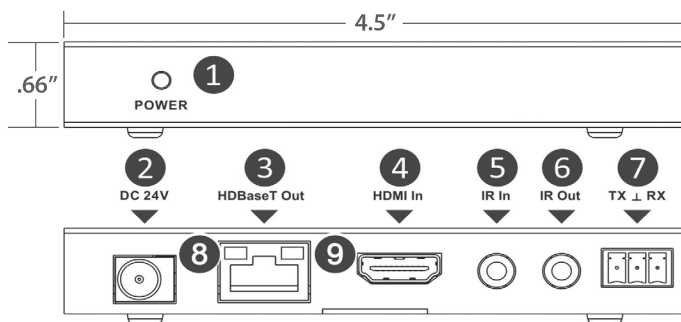
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Technical Specifications

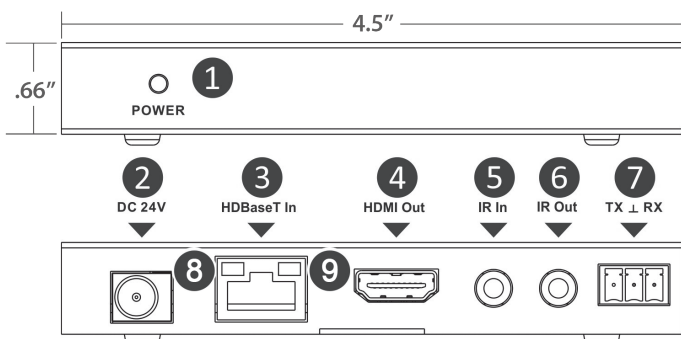
HDMI Compliance:HDMI 1.4b
HDCP Compliance:HDCP 2.2 and HDCP 1.4
Video Bandwidth: 297MHz [10.2Gbps]
Video Resolutions: up to,4K2K@30Hz,1080P@120Hz, and 1080P 3D@60Hz
Color Space: RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth: 10-bit & 12-bit
HDMI Audio Formats: ...LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X

Connections



Transmitter

1. Power LED
2. DC 24V
3. HDBaseT Out
4. HDMI In
5. IR In
6. IR Out
7. RS-232
8. Connection Signal Indicator Lamp
9. Data Signal Indicator Lamp



Receiver

1. Power LED
2. DC 24V
3. HDBaseT In
4. HDMI Out
5. IR In
6. IR Out
7. RS-232
8. Connection Signal Indicator Lamp
9. Data Signal Indicator Lamp

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