



# HE-150-TX & HE-150-RX

HDBaseT Extender



✉ [sales@scube-tech.com](mailto:sales@scube-tech.com)

# Overview

The HE-150-TX & HE-150-RX is the HDMI Extender, which can extend high definition video / audio signal, RS-232, bi-directional IR, and the distance is up to 492ft / 150 meters between transmitter and receiver via a single CAT cable. It supports resolution up to 4K2K@60Hz 4:4:4, 18Gbps and HDCP 2.2. One HDMI loop port is available for output. It also supports de-embedded audio for L/R audio output and PoC function. In addition, the extender is equipped with two-way IR pass-through which allows for source and display control.

## Features

- Support HDMI loop output on the transmitter
- De-embedded audio to analog stereo output on receiver
- HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- PoC (Power over Cable) function
- With bi-directional IR, RS-232 and CEC pass-through
- Bidirectional RS-232 control signal transparent transmission

## Accessories

- HDMI Extender Transmitter
- HDBaseT Extender (Receiver)
- IR Blaster cable (1.5 meters)
- 20~60KHz IR Receiver cable (1.5 meters)
- 2 x 3-pin Phoenix connector
- 4 x Mounting Ear
- 24V/1A Locking Power adapter
- User Manual

## Size & Weight

Length	140mm
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Width	65mm
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Height	18mm
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\*Transmitter & Receiver have the same size

Weight	Transmitter: 160g, Receiver: 155g
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# Connection - Transmitter

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Inputs	1x HDMI Type A (19-pin female)
Outputs	1x HDMI Type A (19-pin female) 1x HDBT Out (RJ45, 8-pin female)
Control	1x IR In (3.5mm Stereo Mini-jack) 1x IR Out (3.5mm Stereo Mini-jack) 1x RS-232 (Phoenix jack) 1x Service (Mini-USB, Update port)

# Connection - Receiver

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Inputs	1x HDBT In (RJ45, 8-pin female)
Outputs	1x HDMI Type A (19-pin female) 1x Audio Out (3.5mm Stereo Mini-jack)
Control	1x IR In (3.5mm Stereo Mini-jack) 1x IR Out (3.5mm Stereo Mini-jack) 1x RS-232 (Phoenix jack) 1x Service (Mini-USB, Update port)

# Resolution & Distance & Cable Length

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4K2K	394ft / 120M
1080P	492ft / 150M
4K60 - Feet / Meters	HDMI IN / OUT : 16ft / 5M
4K30 - Feet / Meters	HDMI IN / OUT : 32ft / 10M
1080P60 - Feet / Meters	HDMI IN / OUT : 50ft / 15M

\*The use of "Premium High Speed HDMI" cable is highly recommended



# Specifications

<b>HDCP Compliance</b>	HDCP 2.2 / HDCP 1.4
<b>Video Bandwidth</b>	18Gbps
<b>Distance</b>	150m
<b>Video Resolution</b>	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:2 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions including 1920 x 1200
<b>Color Space</b>	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
<b>Operating Temperature</b>	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4 )
<b>HDMI Audio Formats</b>	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
<b>L/R Audio Formats</b>	PCM 2.0
<b>Electrostatic Discharge Protection</b>	Human body model — $\pm 8\text{kV}$ (Air-gap discharge) & ESD Protection $\pm 4\text{kV}$ (Contact discharge)
<b>Color</b>	Black
<b>Power Supply</b>	Input: AC 100 - 240V 50/60Hz Output: DC 24V/1A (Locking connector)
<b>Power Consumption</b>	9.36W
<b>Operating Temperature</b>	32 - 104°F / 0 - 40°C
<b>Storage Temperature</b>	-4 - 140°F / -20 - 60°C
<b>Relative Humidity</b>	20 - 90% RH (No condensation)

