

# Transmitter - TPUHD-70-T (Tx)

## HDBaseT Transmitter



### DESCRIPTION

TPBHD-70 is a mini-size HDBaseT Extender consists of transmitter (TPBHD-70-T) Only. HDBaseT technology is used to transmit high-resolution 1080p/ 4k signal from transmitter to the receiver via a CAT5e/CAT6a cable at a distance of up to 70/40m. Required for MMX Modular Matrix and Alfatron SCU91T-N. INPUTS HDMI, RS-232, IR, RJ45.

## FEATURES

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- Support Full HD: Delivers high resolution image (1080p@60Hz@48 b/pixels/3D/4Kx2K).
- Maximum transmission distance is 70m for 1080p and 40m for 4Kx2K over single CAT5e/CAT6a cable
- High Bandwidth: 10.2Gps.
- HDTV Compatible, use HDMI 1.4 and HDCP2 compliant.
- Support CEC/IR/RS232 passthrough.
- Bi-directional RS232/IR
- Use HDBaseT technology.
- LED indicators show work status.

**NOTE:** Please use a CAT5e cable with low impedance (Shielded twisted pair will be better and should be well grounded) for good transmission effect.

## TECHNICAL SPECIFICATIONS

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### HDBaseT Transmitter/Receiver

#### Input

Input Signal	: 1 HDMI, 1 IR & 1 RS232
Input connector	: HDMI female, 3.5mm Mini Jack 3p Captive screw connector
Audio	: Digital audio, transmit through HDMI

#### Output

Output	: 1 RJ-45, 1 IR, 1 RS232
Output Connector	: RJ-45, 3.5mm mini jack, 3p captive screw connector

#### General

Resolution Range	: 640 x 480@60Hz ~ 4K x 2K@30Hz
Transmission Mode	: HDBaseT
Transmission Distance	: 1080p ≥ 70m; 4K ≥ 40m
Bandwidth	: 10.2Gbps
HDMI Standard	: Support HDMI 2.0 and HDCP2.2
Impedance	: 75Ω
Temperature	: -20 ~+70°C
Humidity	: 10% ~90%
Power supply	: Input: 100VAC ~240VAC, 50/60Hz;    Output: DC 24V, 1.25A
Power Consumption	: 11W
Case Dimension	: W115 x H16 x D84mm
Net Weight	: 150g

**NOTE:** All nominal levels are at ±10%

## SYSTEM DESIGN

