

# iBox TPH-R

INFOBIT HDBaseT receiver, 70m 1080p, 35m 4K, HDMI 1.4, RS232, IR.

*Datasheet V1.0*



## Introduction

This is an AE version HDMI extender which is using the advanced HDBaseT technology. It can transmit the HDMI signal, audio embedded/de-embedded, bi-directional IR and RS232 signal over single LAN cable(recommended the STP Cat5e/6/7) up to a long distance and only need to power on one side with the POC function. It also can work with other HDBaseT equipment, such as Sony HDBaseT projector. For the 1080P60Hz resolution, it can transmit to a distance of 70m/220ft, for 4K30Hz it can up to 35m/110ft. This extender kit can support the EDID management on the transmitter, compliant with HDMI1.4, HDCP1.4.

It can be popularly used in media conferencing room, school, government, cinema and so on applications.

## Features

- Uses the HDBaseT technology extension over single CAT5e/6/7
- Extend 4K/30(4:4:4) video & IR & RS232 Control
- Transmission distance up to 70m/ 220ft (1080P60) or 35m/ 110ft (4K30)
- HDMI1.4a and HDCP1.4



- RS232 and IR signal transmission, POC function
- EDID management and 3.5mm audio embedded on the transmitter
- Support 3.5mm audio de-embedded on the receiver

## Specification

<b>Model</b>	<b>iBox TPH-R</b>
<b>Description</b>	HDMI 70m HDBaseT Receiver
<b>Input Port</b>	1xHDBaseT
<b>Output Port</b>	1xHDMI, 1xRS232, 1xR-RX
<b>Standard Protocol</b>	Support HDMI1.4and compatible with HDCP1.4
<b>Resolution</b>	1920x1200, 1680x1050, 1360x768, 1280x800, 1920x1080, 1600x900, 1366x768, 1280x720, 1024x576, 1920x1200, 1680x1050, 1360x768, 1280x800, 4096x2160@30Hz, 3840x2160@30Hz
<b>Bandwidth</b>	10.2Gbps
<b>Distance</b>	1080p60 distances to 220 feet, 4K30(4:4:4) distances to 110 feet
<b>Dimension</b>	115*84*16(mm)/ 4.52*3.30*0.63(inch)
<b>Weight</b>	160g/ 0.35lbs
<b>Power</b>	AC: 100-240V 50/60Hz DC: 12V 1.5A
<b>Consumption</b>	≤ 10W
<b>Work Temp</b>	0°C ~50°C
<b>Storage Temp</b>	- 20°C ~55°C

## Connection Diagram

