



1. Product Introduction

FY-HDBT-TX FY-HDBT-RX transmitter is a transmitter integrating HDBaseT technology. This product is a no-compression, no-loss, no-delay HDMI signal transmission equipment, suitable for various high-definition long-distance transmission. meet the requirements, and can be used with other HDBaseT products. The maximum distance of signal transmission through a single CAT5E/CAT6/CAT7 network cable can reach 70 meters. It is compatible with all HDTV resolutions, supports HDMI2.0 protocol, and supports a maximum resolution of 4K60Hz. This product has two-way RS232 communication function and two-way infrared transmitting and receiving function, which can realize long-distance remote control signal transmission, support remote POC power supply, support audio embedding and de-embedding function, support transmit loop-out function, and can connect up to three devices at the same time. The display supports intelligent management of EDID. This product has a wide range of uses and can be used in multimedia conference rooms, multimedia classrooms, cinemas and other occasions.

2. Features

- Transmission distance (using Cat5e/6/7 cable)
- 70 meters: 1920x1080p HD video@60Hz
- Supports ultra-clear 4K signal transmission, bandwidth up to 10.2Gbps, supports HDMI2.0
- Support audio embedding function (transmitter) and audio de-embedding function (receiver)
- Support EDID management function (transmitter)
- Transmit bidirectional IR signals and bidirectional RS232 control signals
- Bidirectional power transmission POC (Power over Cable), 12v power supply (transmitting to receiving or receiving to transmitting)
- Visual LED indicators indicate power supply working status, equipment operating status, and network cable connection status
- The network cable adopts standard IEEE-568B line sequence
- Support transmitting loop-out and receiving dual HDMI port output

3. Specification

Model	FY-HDBT-TX	FY-HDBT-RX
Input	2XHDMI, 1X3.5MMAudio,1XRS232, 1XIR_TX, 1XIR_RX	1XHDBaseT
Output	1XHDBaseT	2XHDMI, 1X3.5MM audio,1XRS232, 1XIR_TX, 1XIR_RX
protocol standards	Support HDMI2.0 and HDCP protocols, support EDID intelligent management	
Resolution	480i,576i,480p,576p,720p,1080i,1920x1080p60Hz, 3840x2160/30Hz,3840X2160/60 4096X2160/24Hz	
Support color space	1080p:36BitDeepColor4K:24BitTrueColor, 4:4:4	
Data Rate	10Gbps	
Transmission distance	CAT6 cable: 1080p60Hz transmission distance 70 meters, 4K30Hz, 4K60HZ transmission distance 35 meters	
Size	152×100×27 (mm)	
N.Weight	200g	
Power	AC: 100-240V50/60Hz1.5AMax DC: 12V1500mA	
PC	≤11W	
Operating H	10%-90%	
Operating T	0°C-50°C	