



## TK-HD100P HD extender

(HDBaset 1080P@100M)

### product introduction

TK-HD100P is a high-performance HDMI image transmission devices. Its main function is to transmit the HDMI image signal uncompressed and without delay through a network cable at a distance of 100 meters. It can support up to 100 meters of 1080P resolution signals. IR infrared remote control signal return and two-way transmission of RS-232 serial signal, support two-way transmission of USB signal, support 1 HDMI loop output and 2 HDMI signal extension output.

Through the unique image transmission processing technology of the TK-HD100P high-definition image transmitter, high-definition video images can be transmitted to the display terminal without compression and delay. The advantage of TK-HD100P high-definition transmitter is not only to transmit high-definition video signals without compression and delay, but also to extend the RS-232 serial port signal, IR infrared remote control signal, USB signal, etc. simultaneously. The user can easily pass a network cable Packing a variety of signals for centralized transmission greatly reduces the need to arrange a variety of different cables in the user project, and also greatly reduces the user's related costs.

### main functions

- 3.1, Support full HD 1080p@60Hz HDMI signal transmission;
- 3.2, 1080p Full HD signal can be extended by 100 meters through Cat5a cable;
- 3.3, Support 1 HDMI signal loop out, 2 HDMI signal extension output;
- 3.4, Support USB signal transmission, remote control of mouse and keyboard, read U disk information;
- 3.5 , Support 3.5mm audio port output;
- 3.6 , Adopt HDBaset technology; support HDMI image signal transmission without compression and delay;
- 3.7 , Support two-way infrared signal return and serial RS-232 signal;
- 3.8 , Using POC power supply technology, you only need to supply 12V power to either the transmitter or the receiver

## product appeara

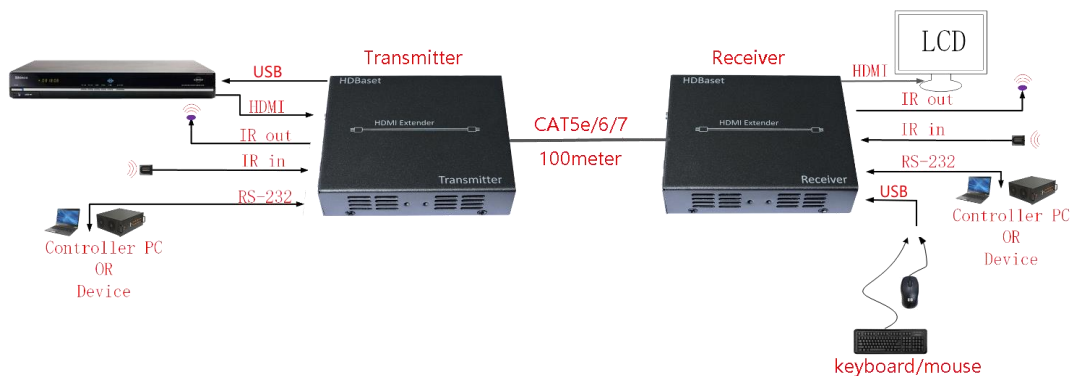


RX



TX

## System topology



## product parameters

Project	Parameter description		
HDMI signal	HDMI1.3, support for the CEC, 24-bit color depth		
Transfer Protocol	HDBaseT		
Supported resolution	480i/480P/576i/576P/720P/1080i/1080P/		
Audio	LPCM,DTS-HD,Dolby True HD		
Network cable	CAT5E、CAT6、CAT6A、CAT7		
Transmission distance	CAT5e/CAT6 CAT6a/CAT7	100m	Up to 1080P60Hz 36bpp
Infrared return	Support 20-60kHz broadband infrared remote control, support bi-directional infrared transmission		
RS-232 Transmission	Supports serial RS-232 bi-directional transmission		
USB transfer	Support USB two-way transmission		
Power supply	DC12V/ 3 A *1pcs		
Power consumption	No more than 8w		
Product size	121(L)×94(W)×25 (H)mm *2pcs		
Body material	Metal		
Net weight	TX: 300 g RX: 300 g		
Color	black		