



TK-HD4000 HD extender

(HDBaset 1080P@100M, 4K@100M)

product introduction

TK-HD4000 is a high-performance HDMI image transmission devices. Its main function is to transmit HDMI image signals over a distance of 100 meters without compression and delay through a network cable. It can support up to 4k@30HZ ultra-high-resolution signals. Or 3D signal transmission 100 meters, support 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-HD4000 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, 3D, 4K×2K/30HZ HDMI signal transmission;
- 3.2, 1080p full HD signal can be extended by 100 meters through Cat5a cable, and 4K@30HZ can be transmitted by 100 meters;
- 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

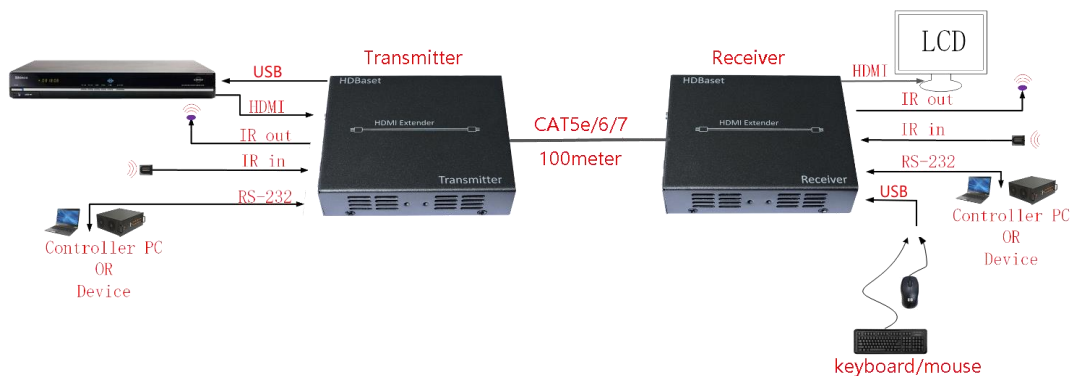


RX



TX

System topology



product parameters

Project	Parameter description		
HDMI signal	HDMI1.4, HDCP2.2, support for the CEC, 24-bit color depth, 4Kx2K		
Transfer Protocol	HDBaseT		
Supported resolution	480i/480P/576i/576P/720P/1080i/1080P/3D/4Kx2K		
Audio	LPCM,DTS-HD,Dolby True HD		
Network cable	CAT5E、CAT6、CAT6A、CAT7		
Transmission distance	CAT5e/CAT6	100m	Up to 1080P60Hz 36bpp
	CAT6a/CAT7	70m	1080p@60Hz 48bpp,1080p60Hz 3D,4Kx2K 30Hz
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 serial RS-232 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		