

TK-HD70 HD extender

(HDBaset 70M)

1th Sketch

With rising consumption and demand for high quality HD content, end users are more interested in HD video experience extends to all corners. Users who want to find a way, TVs and other display devices and Blu-ray DVD players and entertainment devices connected to HD multimedia content of the communication. Malls, security, airports, public areas such as LCDTV, TV wall, LED screen display device, where HD display devices often need a long cable and complex wiring, DVI and HDMI obviously does not meet the length and cost of demand, now commonly used in analog video and audio HD video transmission also has been unable to meet demand.

And some of the existing technologies in terms of bandwidth limitations, cannot support uncompressed video. HD multimedia content in all areas of audio and video communication market and the inadequacies of existing technologies to promote electronics limited development, production HD digital connection standard for TK-HD series extenderers, which can extend the uncompressed HD multimedia content transmission distance increase their range, simplified installation, and reduce overall system cost.

2th product introduction

TK-HD70 is a high-performance HDMI Image transmission devices, its main feature is a network cable HDMI Images without compression, delay-free transmission 70 M distance, maximum support 4k*2k ultra high resolution transmission while supporting IR Bi-directional transmission of infrared remote control signals and RS-232 Serial bi-directional transmission of the signal.

HD signal extenders usually require compression of the signals at the extenderer can transmit signals through cable, HD video signal through the receiver decodes the signal into. As chip bandwidth issues that need larger image signal compression, which leads to sharp decline in the quality of the image as a whole and become very unclear. And preparation and decoding process takes a long time, it may lead to transfer to Terminal than the original screen image has a long delay.

By TK-HD70 Unique image processing technology for HD video transmission, to full HD video image without compression, transfer without delay to display terminals. TK-HD70 HD transmission advantage is not just the absence of compression, HD video signal extended without delay or extend the synchronization RS-232 serial port signals and IR infrared remote control signals, users can use a network cable conveniently packaged set of

multiple signal transmission, Reduced to a large extent user projects needed to construct a variety of different cable problem, but also greatly reduce the costs associated with the user.

3th main functions

- 3.1, Supports full HD 1080p@60Hz,3D , 4K × 2K/30HZ HDMI Signal transmission;
- 3.2, 1080p Full HD signal through Cat6a Lines can be extended 70 M;
- 3.3, The use of HDBaset Technical support HDMI Image signal extended without compression and without delay;
- 3.4, Support bi-directional infrared signals back to the serial port RS-232 Two-way signal transmission;
- 3.5 , Support HDCP 、 CEC 、 24 -Bit color depth;
- 3.6 , Support uncompressed audio LPCM And compressed audio DTS-HD,Dolby True HD ;
- 3.7 , The use of POC Power supply, just as one end of the extenderer or the receiver for 12V Power supply;

4th product appears



The sender A



The sender B

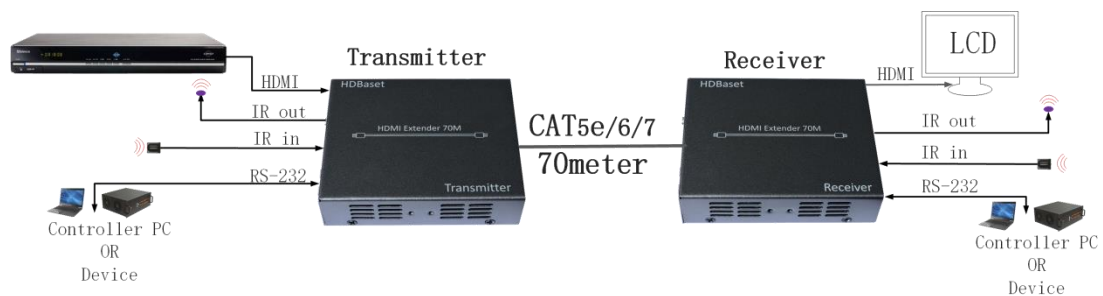


The receiver A



The receiver B

5th System topology



6th 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 | 60m | Up to 1080P60Hz 36bpp |
| | | 35m | 1080p@60Hz 48bpp,1080p60Hz 3D,4Kx2K 30Hz |
| | CAT6a/CAT7 | 80B | Up to 1080P60Hz 36bpp |
| | | 40m | 1080p@60Hz48bpp,1080p@60Hz3D,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 | | |
| Power supply | DC12V/ 3 A * 1pcs | | |
| Power consumption | No more than 8w | | |
| Product size | 101 (L)× 79 .5(W)×2 6 (H)mm *2pcs | | |
| Body material | Metal | | |
| Net weight | TX: 250 g RX: 250 g | | |
| Color | Titanium Crystal grey | | |