



10.2Gbps HDBaseT Extender 70 meters

Experience seamless HDMI signal extension with the Cat5e/Cat6 HDMI Extender, capable of transmitting your HDMI signal over distances of up to 230 feet (70 meters) to a compatible display. This innovative tool converts HDMI signals to standard HD BaseT signals, enabling transmission via LAN cable for enhanced versatility. Additionally, it supports bidirectional infrared control signals alongside the HDMI signal, allowing you to control both the source and sink devices from up to 230 feet away. With the HDMI Extender, enjoy convenient control and reliable signal transmission for an optimized viewing experience.maintaining security and controlled temperature environments.

Feature Highlights

- POC (Power Over Cable) function supported: Power either TX or RX with a 24V@1A power supply; the other end does not require power from the DC jack. POC power consumption is less than 10W.
- Utilize a single UTP LAN cable (CAT-5E/6) for long-distance HDMI transmission, following standard direct interconnection methods for UTP termination.
- Transmission distances over CAT6 cable:
 - 70 meters: 1080P @60Hz 36bit; 3D 1080P @30Hz 36bit.
 - 40 meters: 1080P @60Hz @48bit; 1080P @120Hz @24bit; 3D 1080P @60Hz @36bit; 4K x 2K @30Hz @24bit.
- Support display resolutions up to 4K x 2K @30Hz.
- Full HD support includes: 1080p @60Hz @48 bit/pixels, 1080p @120Hz @24 bit/pixels, 3D 1080P @60Hz, and 4K x 2K @30Hz @24bit.
- Transmit bidirectional infrared control signal alongside the HDMI signal (see description 2 in user manual).
- Transmit bidirectional RS232 control signal alongside the HDMI signal (see description 3 user manual)).

TECHNICAL

Frequency Bandwidth	297MHz[10.2Gbps]
Transmitter Input/Output	1x HDMI Female port/1xCAT6 1x IR Tx/1x IR Rx/1xPhoenix
Receiver Input/Output Ports	1xHDMI Female port/1xCAT6 1x IR Tx/1x IR Rx/1xPhoenix
Power Supply	DC 24V 1A
ESD Protection	Human Body Model: $\pm 8kV$ (air-gap discharge) $\pm 4kV$ (contact discharge)
Dimensions (mm)	65(W) X 115 (D) X 17 (H)
Weight	200g x 2
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (Non-condensing)
Power Consumption	20W (Max)

Classic Application Example

