

4K HDMI HDBaseT EXTENDER 100M HE100



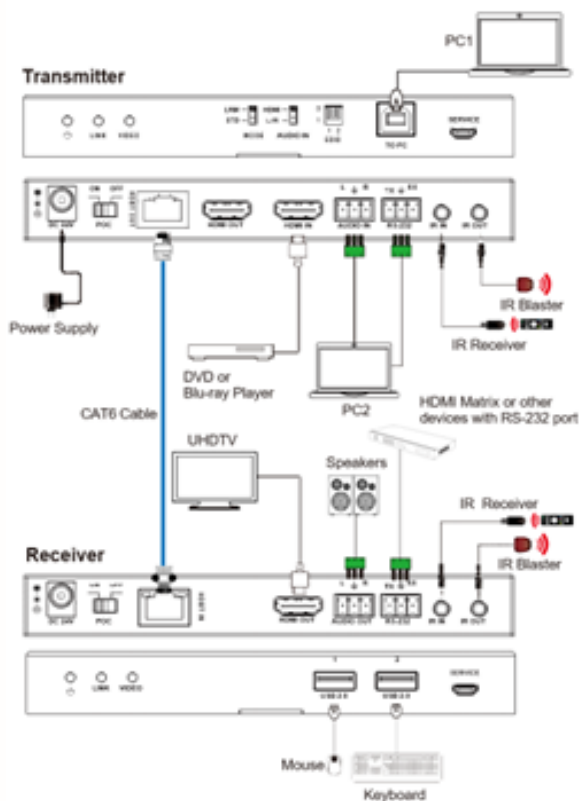
FEATURES

This 4K60 HDMI/USB 2.0 HDBT Extender can transmit HDMI high-definition signal, bidirectional IR control signal, bidirectional RS-232 control signal and USB 2.0 signal over CAT6 cable to the distance up to 328ft/100m (HBT mode) or 492ft/150m (LRM mode). Video resolution is up to 4K2K@60Hz (4:4:4). Transmitter supports audio embedding, and Receiver supports audio de-embedding. It supports EDID management (COPY TV/ Built-in) and POC function with POC control switch.

The Extender can be widely used in other fields such as video conference system, multimedia signal broadcasting, HDMI signal extension, etc..

- HDMI 2.0b and HDCP 2.2/1.x compliant
- Video resolution up to 4K2K@60Hz (4:4:4)
- Up to 7.1 channels HD audio
- Transmitter supports audio embedding, and
- Receiver supports audio de-embedding
- Built-in mode DIP switch for selecting the HBT mode or LRM mode
- HBT-Transmit up to 328ft/100m for 4K60/4K30/1080P
- LRM-Transmit up to 492ft/150m for 4K30/1080P
- Built-in EDID DIP switch supports intelligent EDID management
- Built-in audio DIP switch supports analog audio embedding
- Two-way IR and RS-232 transmission
- Supports USB 2.0 signal transmission

APPLICATION EXAMPLE



SPECIFICATION

Technical	
Bandwidth	- 18Gbps
Compliance	- HDMI 2.0 - HDCP 2.2
Transmission Distance	- LRM Mode: 492ft/150m (4K30/1080P) -STD-HBT Mode: 328ft/100m (4K60/4K30/1080P)
Video Resolution	- Up to 4K60Hz 4:4:4
Colour Space	- RGB / YCbCr 4:4:4, YCbCr 4:2:2 / 4:2:0
Colour Depth	- 8/10/12-bit
HDMI Audio Format	- LPCM 7.1CH, Dolby True HD and DTS-HD Master (Full format)
Analogue Audio Embedding	- 48KHz
Transmitter	
HDBT	- 1 x RJ45 (Female)
Video Input Connector	- 1 x HDMI Type A (Female)
Video Loop-out Connector	- 1 x HDMI Type A (Female)
Other Connector	- 1 x 3.5mm Stereo Mini Jack (Audio In) - 1 x USB-B (to PC) - 1 x Micro USB (for update) - 1 x 3pin-3.81mm Phoenix Connector (RS232) - 1 x 3pin-3.81mm Phoenix Connector (IR In) - 1 x 2pin-3.81mm Phoenix Connector (IR Out)
Receiver	
Link	- 1 x RJ45 Female
Video Output Connector	- 1 x HDMI Type A (Female)
Other Connector	- 1 x 3.5mm Stereo Mini Jack (IR IN) - 1 x Micro USB (for update)
Power	
Power supply	- Input: AC 110-240V 50/60Hz - Output: DC 12V/1A
Power Consumption	- 11.76W (max)
General	
Physical Dimension (W x D x H)	- 157.2 x 88 x 20 mm (transmitter & receiver)
Weight	- 0.380kg (transmitter) - 0.377kg (receiver)
Housing	- Metal
Operating Temperature	- 0 - 40 °C
Storage Temperature	- -20 - 60 °C
Relative Humidity	- 20 - 90% RH (no condensation)
Safety	
ESD Protection	- Human body model - ±8KV (Air-gap discharge) & ±4KV (Contact discharge)