



EHE10 / EHE07

HDBaseT Extender for 325ft/230ft



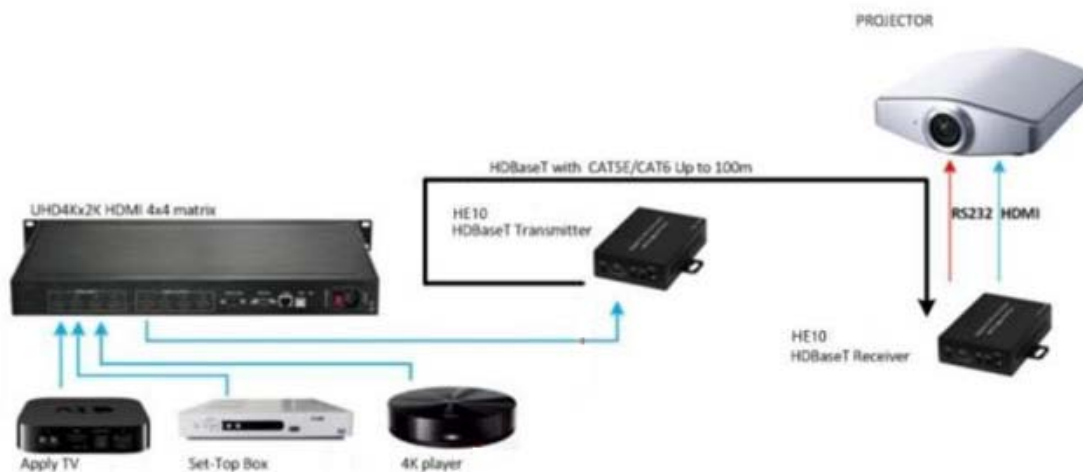
Overview

The EHE10 / EHE7 HDMI Extender over CAT5E/CAT6 is to extend the HDMI signal over long distances to a compatible display. It is designed to convert HDMI signal to standard HDBaseT signal and transmit by CAT5E/6 cable. It also transmits Bi-directional Infrared signal together with the HDMI signal, capable of controlling the source in the device side out to 325ft (100m) or 230ft (70m), or from source to device, RS232 pass through makes it more convenient to be controlled.

Features

- Allow HDMI signal/IR transmit up to 325ft (100m) or 230ft (70m)s over CAT5E/CAT6 cable;
- HDMI signal from 1080p to 4Kx@K, 3D video format support, HDCP compliance;
- IR signal/RS232 pass through together with HDMI over CAT5E/CAT6 cable bi-directionally for remote control;
- Ultra light & thin case design for easy installation;

System Diagram





EHE10 / EHE07

HDBaseT Extender for 325ft/230ft

Specification

Model	EHE07	EHE10
Protocol Support	HDMI 1.4, HDCP1.3, EDID 1.4	
Pixel Bandwidth	330Mhz	
Interface Bandwidth	10.2Gbps	
Max Resolution	1900x1200 @60Hz, 3840x2160 @30Hz HDTV: 1920x1080p @60Hz BD: 4Kx2K @30Hz	
Signal Type	HDMI 1.4 / T.M.D.S.	
IN/OUT Interface	HDMI type A female, HDBaseT	
Transmission Distance	1080p video up-to 230ft (70m) 4K video up-to 130ft (40m)	1080p video up-to 325ft (100m) 4K video up-to 230ft (70m)
Signal Amplitude	T.M.D.S. +/- 0.4V p-p	
Min/Max Voltage	T.M.D.S. 2.9V/3.3V	
Input Impedance	100 Ω	
Dimensions	5.3" X 2.95" X 0.59" (135mm X 75mm X 15mm)	
Control Interface		
Serial	RS232 (3PIN 3.5mm)	
Baud	100-115200 bps	
IR Control	IR (3.5mm)	
IR Frequency	38K	
Ethernet	RJ45	
Power Supply	12V DC	
Max Dissipation	8.3W	