

HDMI over Single CAT5e Extender

HDMI 1.3 over Single CAT5e/6 Extender

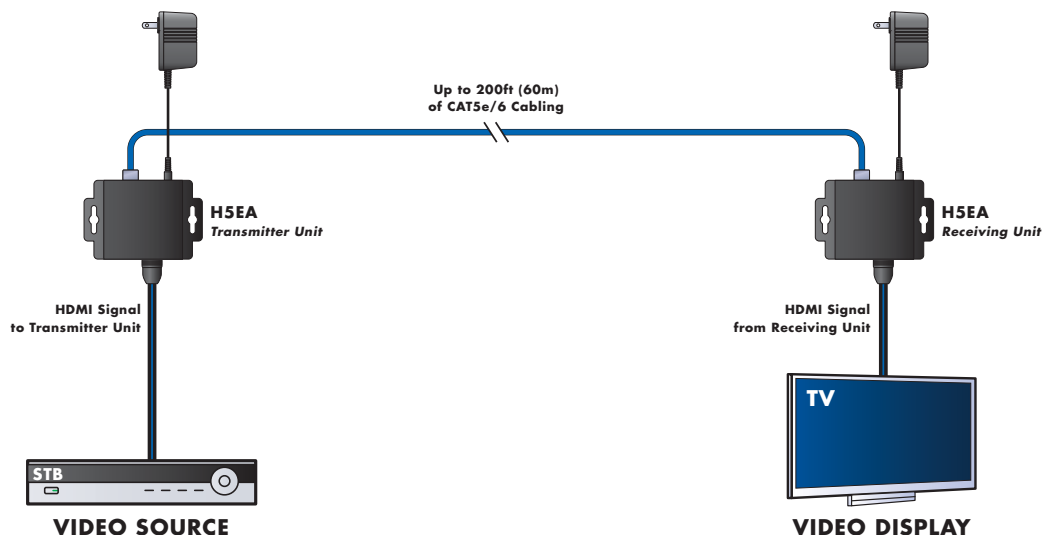


Product Description

This HDMI 1.3 over Single CAT5e Extender increases your video/audio transmission distance up to 200ft (60m) in HDTV 1080i format, 130ft (40m) in HDTV 1080p format, and 65ft (20m) in HDTV 1080p with 36 bit color depth. With only one LAN cable the user can readily extend HDTV signal from an HDMI source to a distant display monitor including HDMI/DVI enabled TV sets or LCD PC monitors. Deep color video, DTS-HD or Dolby TrueHD audio, and HDCP supports and compatibility are all delivered with the H5EA. It includes two units, a transmitter and receiver unit. The transmitter unit captures the incoming HDMI/DVI signal and carries it through one CAT5e/6 cable to the receiver unit where is then outputted via HDMI to whatever device is on the other end.

Features

- **State-of-the-art Silicon Image (founder of HDMI) chipset embedded for utmost compatibility and reliability**
- **HDMI 1.3c compliant**
- **Extend the transmission length**
 - Up to 200ft (60m) from the HDMI sources under HD resolution (1080i or 720p at 24-bit color depth)
 - Up to 130ft (40m) from the HDMI sources under Full HD resolution (1080p at 24-bit color depth)
 - Up to 65ft (20m) from the HDMI sources under Full HD resolution (1080p at 36-bit color depth)
- **HDCP 1.1 compliant**
- **Adjustable 8-level equalization control to minimize cable skew**
- **Unaltered uncompressed 7.1ch digital HDMI over LAN cable transmission**
- **DTS-HD and Dolby True HD high bit rate audio support**
- **Allows cascading**
- **Wall mounting design for easy installation**



Specifications

HDMI Compliance	-----	HDMI 1.3c
HDCP Compliant	-----	Yes
Video Bandwidth	-----	Single-link 225MHz (6.75Gbps)
Video Support	-----	480i / 480p / 720p / 1080i / 1080p60
<u>HDMI Over UTP Transmission (24-bit)</u>		
Full HD (1080p)	-----	130ft (40m) [CAT5e] / 165ft (50m) [CAT6]
HD (720p/1080i)	-----	165ft (50m) [CAT5e] / 200ft (60m) [CAT6]
Audio Support	-----	Surround sound (up to 7.1ch) or stereo digital audio
Signal Equalization	-----	8-level digital control at RX
Input TMDS Signal	-----	1.2 Volts [peak-to-peak]
Input DDC Signal	-----	5 Volts (peak-to-peak, TTL)
<u>ESD Protection</u>		
[1] Human Body Model	-----	±15kV (air-gap discharge), ±8kV (contact discharge)
[2] Core Chipset	-----	±8kV
PCB Stack-up	-----	4-layer board (impedance control - differential 100Ω; single 50Ω)
HDMI Source Control	-----	No
HDMI Connector	-----	Type A (19-pin female)
RJ45 Connector	-----	WE/SS 8P8C w/ 2 LED indicators
Rotary Control Switch	-----	Mode (transmitter), Signal Level (receiver)
Operation Temperature	-----	32~104°F (0~40°C)
Storage Temperature	-----	-4~140°F (-20~60°C)
Relative Humidity	-----	20~90% RH, no condensation
Dimensions	-----	3.7"L x 2.4"W x 1.0"H (93mm L x 60mm W x 25mm H)



Part #	Description
H5EA	HDMI 1.3 over single CAT5e/6 extender, includes a transmitter and receiver unit each with external power supply

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