

TSV-SPE104

1x4 HDMI Splitter Extender - Support 1080P /50m



Features

- Distribute 1 HDMI signal to 4 identical UTP outputs synchronously, with 1xlooping HDMI output
- Transmit over 50m single Cat5e/6 cable
- Can be cascaded for 4 layers
- With wide-band Bi-Directional IR control (38 ~ 56 kHz) (IR extension from Sender to Receiver or from Receiver to Sender)
- Support Full HD 1080p, VESA resolution: 1920x1200
- Supports Dolby TrueHD, DTS-HD Master Audio
- Support 3D

- COMPLETE 1080P KIT - Includes 1 Transmitter & 4 Receivers. Extend and distribute 1 HDMI source to 4 HDMI displays over CAT5e/6/7 simultaneously. Embedded Silicon Image chipset for best quality, compatibility and reliability
- HDMI LOSSLESS TRANSMISSION RANGE - Extends HDMI audio/video signals to synchronous output video display(s), is as fluent as direct connection; Supports up to 50m (165ft) at 1080p@60Hz with CAT5e/6/7 and surround sound up to 7.1-channel or stereo digital audio; Compatible with HDCP compliant devices & content.
- * Good quality CATx cables are essential in delivering quality content
- HDMI LOOP-OUT & EDID MANAGEMENT - The transmitter couples as a splitter as it is equipped with an HDMI out port to connect to a local display (5th display) for monitoring purposes or cascade HDMI signals to 4 layers; Easy-to-follow EDID configurations (nine built-in EDID resolution options) via DIP switches allow you to experience audio and video in the highest settings possible based on the capabilities of your display
- ADVANCED FEATURES - Bi-Directional IR Remote Control allows you to remotely control a media player/ device from the TV side or control a TV from the device side

Specification

Operating Temperature Range	-10°C-40°C(+14-140°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Video Amplifier Bandwidth	140MHz
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p(TTL)
Data transfer speed rate	6.75Gbps(Maximum)
Input port	1xHDMI
Output ports	4xCat5e/6, 1xHDMI
Video Format Supported	DTV/HDTV: 720P/1080i/1080P VESA resolution:1920x1200① 3D video support
Vertical Frequency range	60Hz
Support Audio Format	DTS-HD Master Audio, Dolby True HD, multi-channel 5.1, stereo etc ②
Transmission Distance	1080P 8-bit 50m Over single cat5e or cat6 cable/24AWG/Solid③
Power consumption	12W(Max)
Dimension (L×W×H)	L203xW134xH29.2mm
Net Weight	823.1g

TSV-EX21B (rx)

50m HDMI Extender - Support 1080P/IR/EDID



Features

- Allows HDMI Audio/Video Signals and IR to be transmitted over a 50m single Cat5e/6 Cable.
- Transmits a wide-band (38K-56KHz) Bi-Directional IR control signal together with the HDMI signal.
- Supports 24bit Deep Color.
- Automatically adjusts feedback, equalization and amplification.
- EDID DIP switch on Transmitter to enhance EDID communication between sources and displays.
- Supports PCM ,Dolby Digital™, and DTS Digital Surround™.
- Follows IEEE-568B cable termination standards.
- Supports 3D video format.

Specification

Operating Temperature Range	-5 to +35°C(+23 to +95°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Data transfer speed	6.75Gbps
Connectors Transmitter	HDMI Receptacle x 1 RJ45 Receptacle x 1 Power DC Receptacle x 1 IR Receptacle x 2(for IR TX and RX cable)
Connectors Receiver	HDMI Receptacle x 1 RJ45 Receptacle x 1 Power DC Receptacle x 1 IR Receptacle x 2(for IR TX and RX cable)
Resolution outputs	1080p/1080i/720p/576p/480p
Audio format supported	DTS-HD Master Audio, Dolby True HD, multi-channel 5.1, stereo etc
Output Video Signal	HDMI
Dimensions (WxHxD)	2.56" W x .95"Hx3.34"D(65x24.1x85mm)
Power supply	DC 5V Power supply
Transmission Distance	1080p up to 50m ①
Net Weight	319g(Pair)
IR wavelength & frequency	Wavelength: 940nm IR Frequency: 38KHz - 56KHz

- COST-EFFECTIVE SOLUTION – Extends HDMI audio/video signals over a CAT5e/6/7 cable up to 165ft;
- * Note: A good quality CAT5e/6/7 cable is essential in delivering quality content; Use a straight-through Ethernet cable and NOT crossover.
- HDMI LOSSLESS TRANSMISSION with ZERO LATENCY – It extends HDMI audio/video signals to synchronous output Video display is as fluent as direct connection Supports 480i/480p/720p/1080p at 60Hz video resolutions
- DEEP COLOR – Supports up to 36-bit Deep Color with CAT6, 1080p 3D. HDMI 1.3 compliant. Supports EDID pass-through and EDID copy
- DIGITAL AUDIO – Supports lossless compressed digital audio: Dolby TrueHD, DTS-HD Master Audio; Compatible with HDCP compliant devices & content
- SIMPLE INSTALLATION – No driver required; Surface-mountable metal housing provides durability and minimizes EMI/RFI noise interference. FCC, CE & RoHS compliant
- ADVANTAGE –Support EDID and Bi-directional wide-band IR

APPLICATION DIAGRAM

