Specification Sheet

HDMI & IR 1080P over Cat.6 1x4 Splitter Extender with Loop out, 50m

Model No. WST-PEX001

Introduction

This 1x4 splitter extender is a simple to use plug and play solution that allows users to extend an HDMI signal up to 50m and then distribute that signal to four displays using a Cat.6 UTP cable (not included). For added convenience IR signals (38-56 kHz) can also be extended using the supplied IR receiver and emitter cables.

The device can support resolutions up to 1920x1200, including 1080P, and 3D format. An integrated HDMI loop-through output enables simultaneous viewing so that a local display can be connected for monitoring or to create an additional viewing zone for larger installations. The HDMI loop-through port can also be used to cascade up to 4 layers allowing for up to 16 displays to be connected to a single source.

Key Features

- Distribution of 1 HDMI signal to 4 identical UTP outputs synchronously with 1 looping HDMI output
- Signal transmission up to 50m via a single Cat.6 cable, which can be cascaded up to 4 layers
- Supports resolutions up to Full HD 1920x1200@60Hz 4:4:4 8bit, including 3D format
- Uses wide-band Bi-Directional IR control (38-56 kHz)
- Supports Dolby®, TrueHD, DTS-HD®, & Master Audio™
- Supports EDID management
- Must be used in conjunction with WST-PEX003 (Receiver)
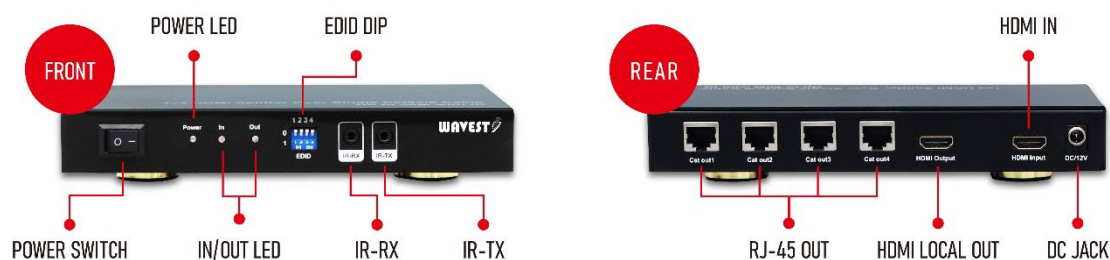- Can be integrated with WST-PEX002 (1x8 Splitter Extender)

Package Contents

Splitter Extender x 1 | 12V/2A Multi-Country Power Adapter x 1 | IR Emitter x 1 | IR Receiver x 1 | Table Mount Brackets with Screws x 2
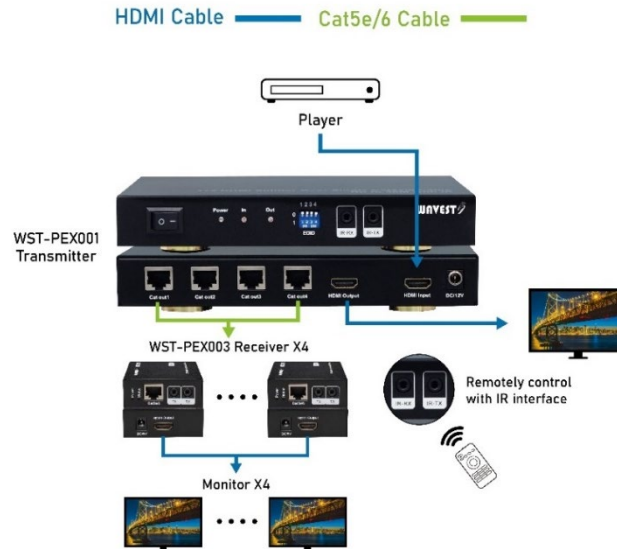
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Specifications

Interface	
Inputs	HDMI Type-A (Female) x 1
	IR-RX slot x 1
Outputs	HDMI Type-A (Female) x 1
	RJ-45 (Female) x 4
	IR-TX slot x 1
Transmission	
HDMI Compliant	HDMI 1.4 (DVI 1.0)
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p (TTL)
Output Resolution (Max.)	1920x1080P@60Hz / 3D (Max.50m)
	1920x1200P@60Hz (Max.40m)
IR Frequency	38-56 kHz
Power	
Power Supply	12V/2A DC (Locking)
Max. Power Consumption	12W
Environment	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Product Structure	
Main Material	Iron
Size W x D x H	134 x 203 x 29mm
Weight	823.1g
Country of Origin	China
Certification	
Safety & Emission	CE / FCC / RoHS / REACH

FRONT

POWER LED · EDID DIP · POWER SWITCH · IN/OUT LED · IR-RX · IR-TX

REAR

HDMI IN · RJ-45 OUT · HDMI LOCAL OUT · DC JACK

Specification Sheet

Applications

Splitter Extender Application

Cascade Application