DIGITUS®

4K HDMI Extender via CAT/ IP (Set)

Manual
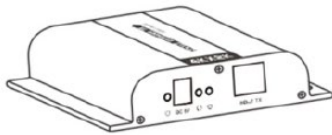DS-55122 Rev. 3

Introduction

This HDMI Signal Extender extends your HDMI video/audio signal with of resolution of 4K2K/30Hz up to 120m (394 feet) via single network cable. Supports IR signal transmission, to control media playback of the signal source device at the display location.
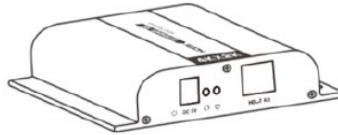
Important safety notice

Please read below safety instructions carefully before installation and operation:

1. Please pay attention to all the warnings and hints on this device.
2. Do not expose this unit to rain, moisture and liquid.
3. Do not put any stuff into the device.
4. Do not repair or open this device without professional people's guidance.
5. Make sure good ventilation openings to avoid product overheating damage.
6. Shut off power and make sure environment is safe before installation.
7. Do not plug-in/out the network cables and IR cables when it is in using to avoid cables damage.
8. Use DC5V only. Make sure the specification matched if using 3rd party DC adapters.
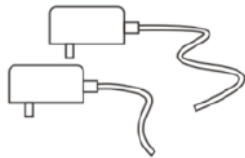
Package Contents

| HDMI EXTENDER sender TX x1pcs | HDMI EXTENDER receiver Rx x1pcs | User Manual x1pcs |

IR OUT

IR IN

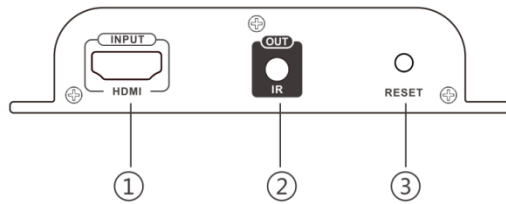| DC5V/2A x2pcs | IR blaster extension cable*1pcs | IR receiver extension cable*1pcs |

Specification

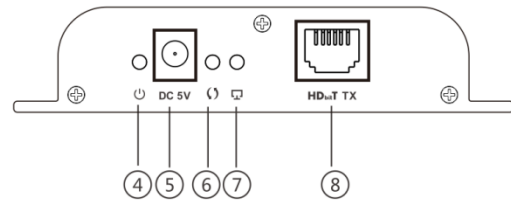| Items	Specifications
HDMI Signal	HDMI1.4, compatible with HDCP1.4
transport protocol	HDbitT
Support resolutions	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 4Kx2K@24/25/30Hz
Network Cable	UTP/STP Cat5/5e/6
Transmission distance	Up to 120 meters transmission distance for 1080p 60Hz Full HD over single CAT6
IR signal	Supports 20~60KHz IR devices
Working Temperature	0°C~60°C
Power Supply	DC5V/2A
Power Consumption	TX: 5W; RX: 4W
Dimensions	107.3(W)x94(D)x23.7(H)mm*2pcs
Weight	TX: 170g RX: 167g
Color	Black

Installation Requirements

1. HDMI source device
2. HDMI display device l with HDMI port.
3. Network cables:

   CAT 5/5E/6 network cables

   Transmission length:

   CAT 5 - 80m/CAT 5E - 100m/CAT 6 - 120m

Panel Description
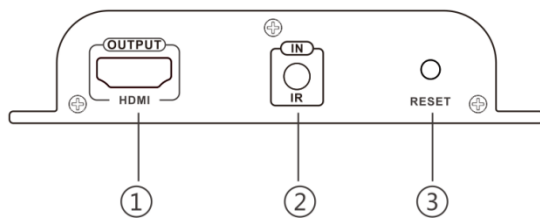
1. HDMI EXTENDER TX (Sender)

① HDMI signal input
② IR signal output to connect with blaster extension cable
③ Reset
④ Power Light

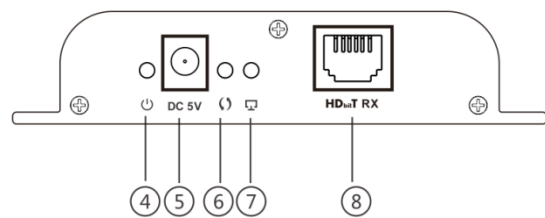⑤ Power input (DC5V)
⑥ Data transmission light
⑦ Network link light
⑧ HDbitT signal output

2. HDMI EXTENDER RX (Receiver)

① HDMI signal output
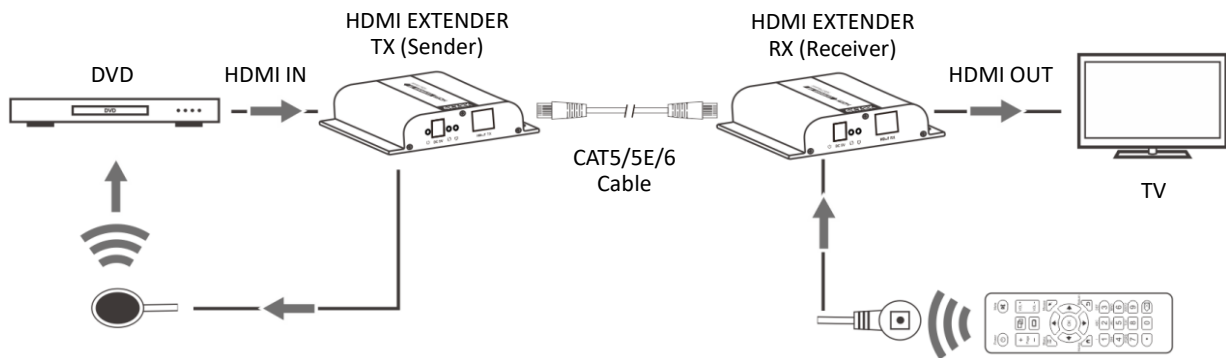② IR signal input to connect with IR receiver extension cable
③ Reset
④ Power Light

⑤ Power input (DC5V)
⑥ Data transmission light
⑦ Network link light
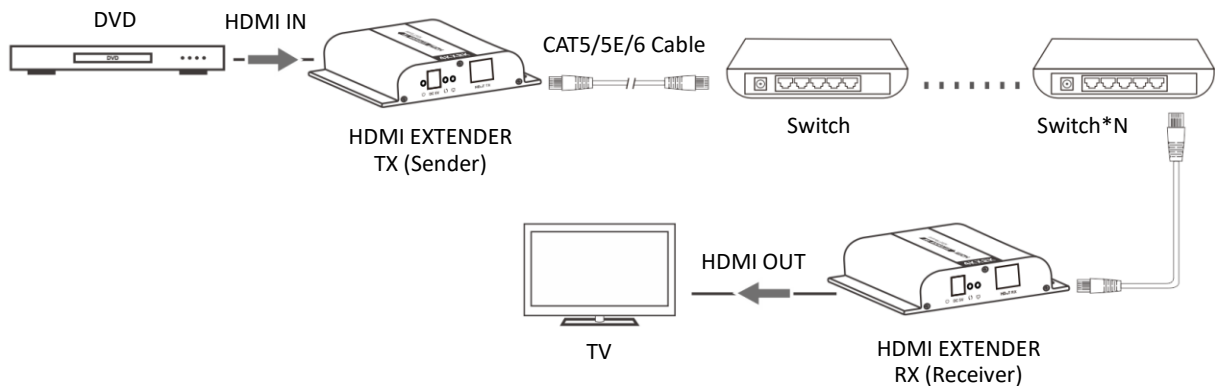⑧ HDbitT signal input

Installation

2. Connections

2.1 Point to Point connection:

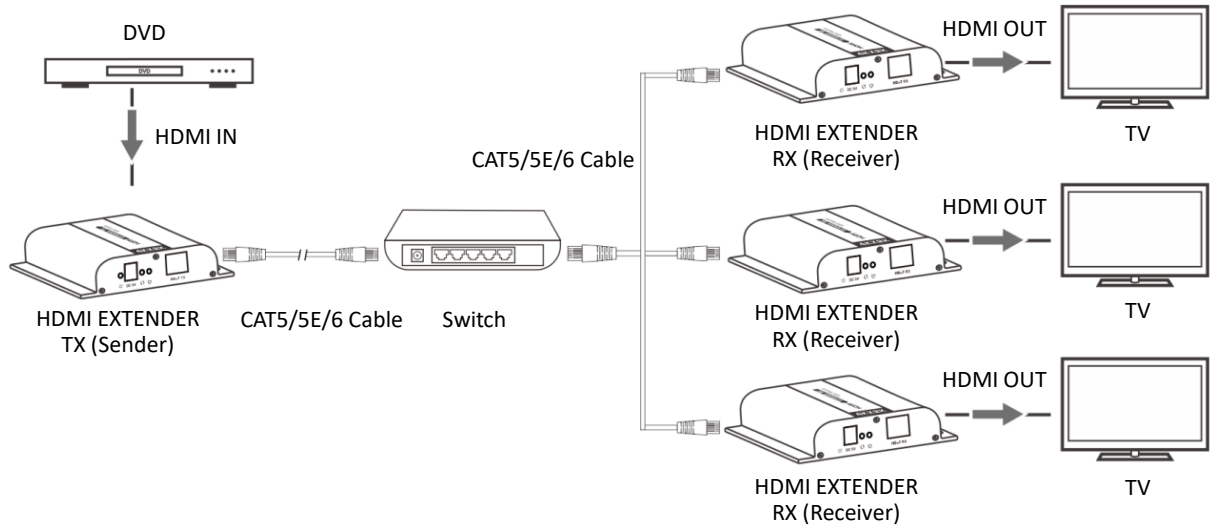Up to 120 meters transmission distance over single CAT 6 (High quality cable can reach 150 meters).

2.2 Network Switch/Router Connection:

By using network switch/router/repeater, realize unlimited extension/distance.

2.3 One-to-many Connection:

By using network switch/router, one sender to several receivers (up 253 receiver units)

FAQ

Q: TV display "Waiting for connection" on the right corner?

A: Please check if the power supply of TX (Sender) and switcher (If used) is connected, and make sure connecting cable is firmly.

Q: TV display "Please check the TX input signal"?

A: Please check if there is a HDMI signal input of TX.
Try to connect the signal source directly to display device to see if there is signal output from source device or change the signal source, HDMI wire and try again.

Q: When playing 4Kx2K source, screen is back without any content?

A: Make sure both TV and HDMI cable support HDMI 1.4

Q: Display not fluent, not stable?

A: Please check the cable length between the TX to switch, the switch to the RX and the connection between each level is within the required range.
Click the "reset" button on the TX/RX front panel, reset and reconnect.