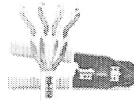


• Installation procedures

1. Make Cat5/6 network cable

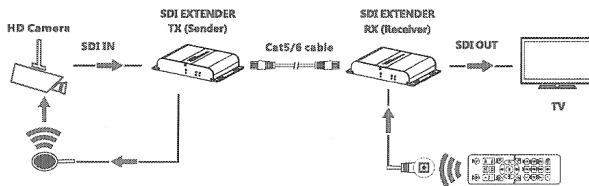
Follow the standard of IEEE-568B:

1. white and orange
2. orange
3. white and green
4. blue
5. white and blue
6. green
7. white and brown
8. brown



2. Connection

2.1 Transmit 1080P signal over cat6 up to 120 meters and 150meters over higher quality level cables.



• RFQ

Q: It displays "waiting for connection" at bottom right corner of screen?

A: Please check if the power supply of TX (sender) and the network cable are well connected.

Q: It displays "Please check the TX input signal" at middle of screen?

A: 1) please check if there is an SDI signal input of sender TX.

- 2) Try to connect the source device directly with display device to see if there is signal output from source device or change the source device and SDI cables to retest.

Q: Display not fluent and stable?

A: 1) Make sure network cable length is within the required range.

- 2) Press "reset" button on the TX/RX panel.

• Specification

Items	Discription
Transmit protocol	HDbiT
SDI signal format	SD-SDI , HD-SDI , 3G-SDI
SDI rate	270Mb/s , 1.485Gb/s , 2.97Gb/s
SDI resistance	75Ω
Support resolution	SD-SDI signal: 480i@60Hz , 576i@50Hz HD-SDI signal: 720P@50/60Hz , 1080i@50/60Hz , 1080P@24/25/30Hz 3G-SDI signal: 1080P@50/@60Hz
Transmit distance	Transmit 1080P signal over cat6 up to 120 meters CAT5 : 80m, CAT5E : 100m, CAT6 : 120m It transmits up to 150meters over higher quality level network cable.
IR remote control	Support 20~60KHz IR remote control devices
Working temperature	0°C ~ 60°C
Power supply	DC5V/2A *2pcs
Power consumption	TX<6W RX<6W
Product dimension	138x105x23.8mm *2pcs
Product net weight	TX:182g RX: 180g
Color	Black

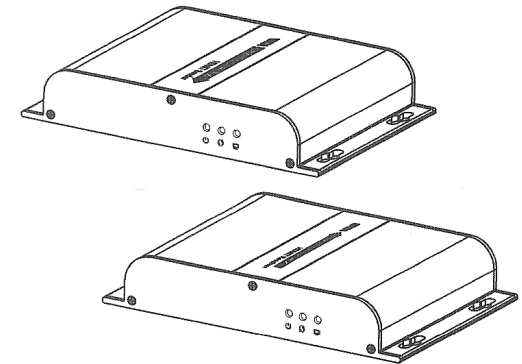
Disclaimer

The product name and brand name may be registered trademark of related manufacturers. TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference, and there may be some slight difference with the real products.

We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

HDbiT SDI over single network cable Extender

User manual



BUY ON

www.cablematic.com

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

BUY ON
www.cablematic.com

• Important safety notice

Please read below safety instructions carefully before installation and operation:

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

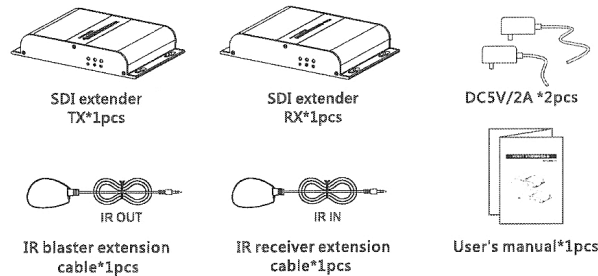
• Introduction

This SDI extender incorporates HDbiT transport technology to extend SDI signal over single cat5/6. It saves cable cost and supports SD-SDI, HD-SDI, 3D-SDI signal input. It can be widely applied in TV field, HD video camera system and multimedia education etc field.

• Features

- 1) Apply advanced HDbiT transport protocol
- 2) Extend SDI signal over single cat5/6 cable
- 3) Transmit 1080P signal up to 120 meters
- 4) Support SD-SDI, HD-SDI, 3G-SDI input
- 5) Support IR signal pass back to easily control from far distance
- 6) High-end aluminum alloy enclosure design
- 7) Wall-mountable design for convenient installation

• PACKAGE CONTENTS

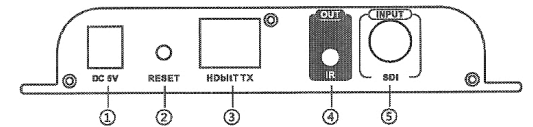


• INSTALLATION REQUIREMENTS

1. Source device with SDI output port(video camera, video recorder etc)
2. Display device with SDI input port
3. UTP/STP Cat5e/6 cable follow standard IEEE-568B

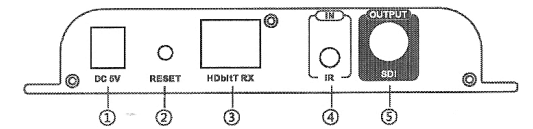
• Panel description

5.1 Rear panel of SDI extender TX



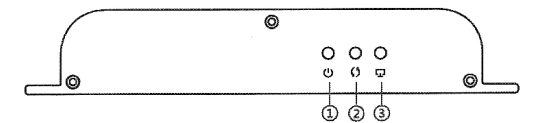
- ① Power input (DC5V) ② Reset button ③ HDbiT signal output
④ IR blaster extension cable port ⑤ SDI signal input

5.2 Rear panel of SDI extender RX



- ① Power input (DC5V) ② Reset button ③ HDbiT signal input
④ IR receiver extension cable port ⑤ SDI signal output

5.3 Front Panel of TX and RX



- ① Power status indicator ② Data transmission indicator
③ Network connection indicator