

DT-7054B HDMI Extender 100M

I . Introduction

This extender support HDMI 1080P@60HZ resolution, extension distance can be up to 100m via cat5e/6 cable, the far end picture effect is clear and natural with no obvious attenuation.

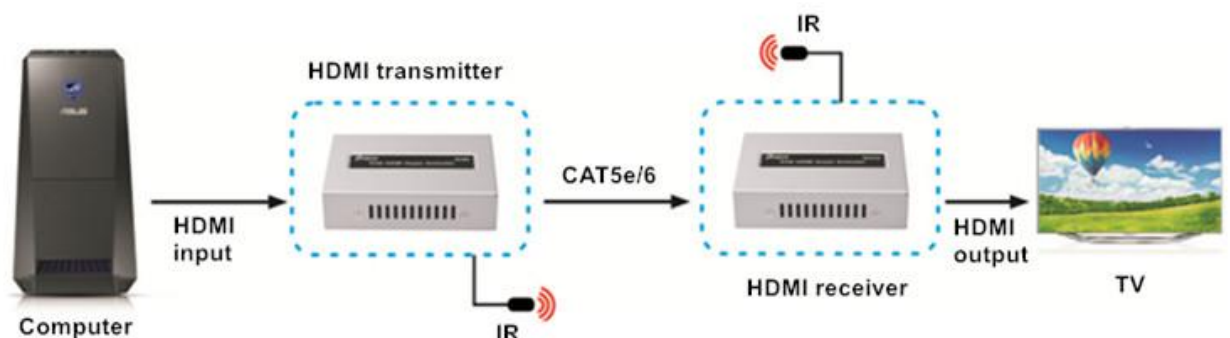
Besides, it added a IR back function, convenient to control the display's switch, adjust volume, switch the channel.

It can be widely used for computer education system, high quality multimedia display, video conference, LCD plasma HD display venue, digital home theatre, exhibition, education, financial, scientific research, meteorology etc.

II . Detailed parameters

This HDMI extender can extend HD signals up to 100m via single cat5e/6 cable, it is also equipped with IR back function. We got the below parameters through a series testing.

1.Connection diagram



2. Testing report

(1) Product testing report

| | |
|----------------|---------------------------|
| testing report | Model: DT-7054B |
| | Name: HDMI extender 100m |
| | Testing period: 120 hours |

Instruments and equipment used requirements

| S.N. | Equipment name | specification |
|------|--------------------------|--------------------------|
| 1 | Desktop computer | 26AWG 15m 1920*1080@60Hz |
| 2 | Samsung TV | 26AWG 10m 1920*1080@60Hz |
| 3 | Philips blu-ray machine | 26AWG 10m 1920*1080@60Hz |
| 4 | Mango player | 26AWG 15m 1920*1080@60Hz |
| 5 | DAHUA hard disk recorder | 24AWG 20m 1920*1080@60Hz |
| 6 | Power adapter | DC 5V/1A |
| 7 | LAN cable | CAT5e 100m |
| 8 | IR line | 1.2m |
| 9 | SL-881 | 24AWG 15m 1920*1080@60Hz |

(2) Comparison conditions between the testing content and the standard of the assignment.

| S.N. | Inspection item | Actual test item | Standard requirement | conclusion |
|------|-----------------------------|--------------------------|--------------------------|---------------------|
| 1 | Aging temperature(S) | Seal 45℃ | 40℃ | Working normally |
| 2 | Aging temperature(R) | Seal 65℃ | 40℃ | Working normally |
| 3 | Aging time | Uninterruptable 72 hours | Uninterruptable 72 hours | Working normally |
| 4 | HDMI input pull and plug | 15 times | 15 times | Response time 5~10s |
| 5 | HDMI output pull and plug | 15 times | 15 times | Response time 5s |
| 6 | Power adapter pull and plug | 15 times | 15 times | Response time 5s |
| 7 | LAN cable pull and plug | 15 times | 15 times | Response time 5s |
| 8 | IR line pull and plug | 15 times | 15 times | Plug and play |

(3) Testing conclusion

The above all real time testing, the product working properly during the testing period, product inspection qualified.

3. Product functions and features

- (1) It can transmit HDMI audio and video signals up to 100m via cat5e/6 cable.
- (2) HD uncompressed video signal's resolution can be up to 1080P@60HZ.
- (3) Support IR remote control;

- (4) With built-in auto-balancing system, picture is fluent, clear and stable;
- (5) With built-in ESD static protection circuit, fully protect the system safety.

4. Electrostatic discharge voltage protection

$\pm 8\text{kV}$

5. Product working temperature

- (1) the transmitter working temperature: 40°C-45°C (room temperature 25°C)
- (2) the receiver working temperature: 40°C-45°C (room temperature 25°C)

6. Notes

- (1) Please use the product within the allowed distance, CAT5e cable is 100m.
- (2) This product equipped with 5V/1A power adapter.
- (3) This product supports progressive scanning format, please use equipment with the resolution format 480P, 576P, 720P, 1080P.

7. Electrical specification

Rated input voltage: DC 5V

Rated input current: 1000mA

8. Product volume and weight

- (1) Dimension

The transmitter: 105mm*75mm*25mm

The receiver: 105mm*75mm*25mm

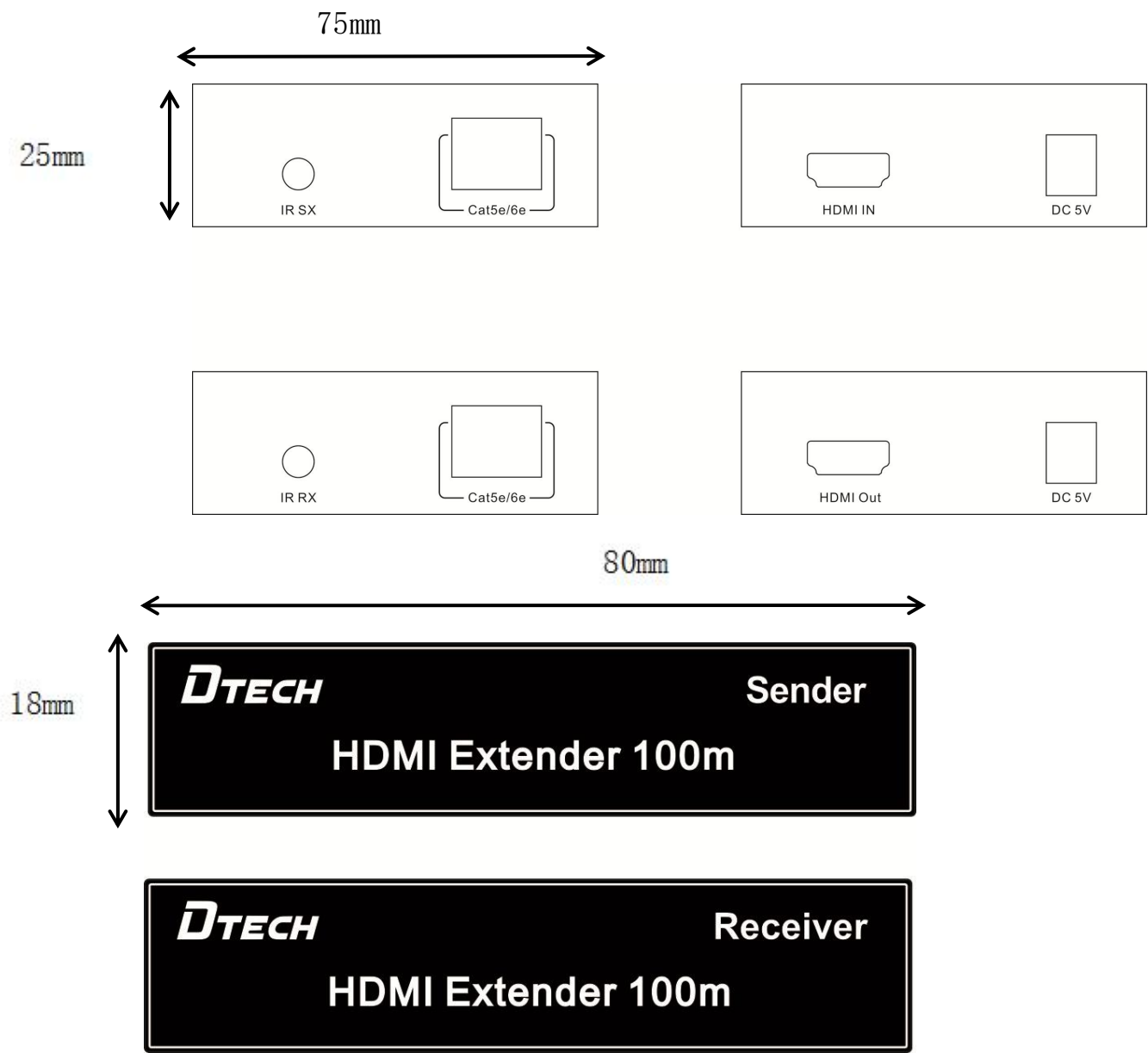
- (2) Weight: 520g \pm 10g

III. Product list

- (1) the sender *1pc
The receiver *1pc
- (2) IR transmitter line *1pc
- (3) IR receiver line *1pc
- (4) power adapter *2pcs
- (5) manual *1pc

IV. Appearance specification (full metal iron housing)

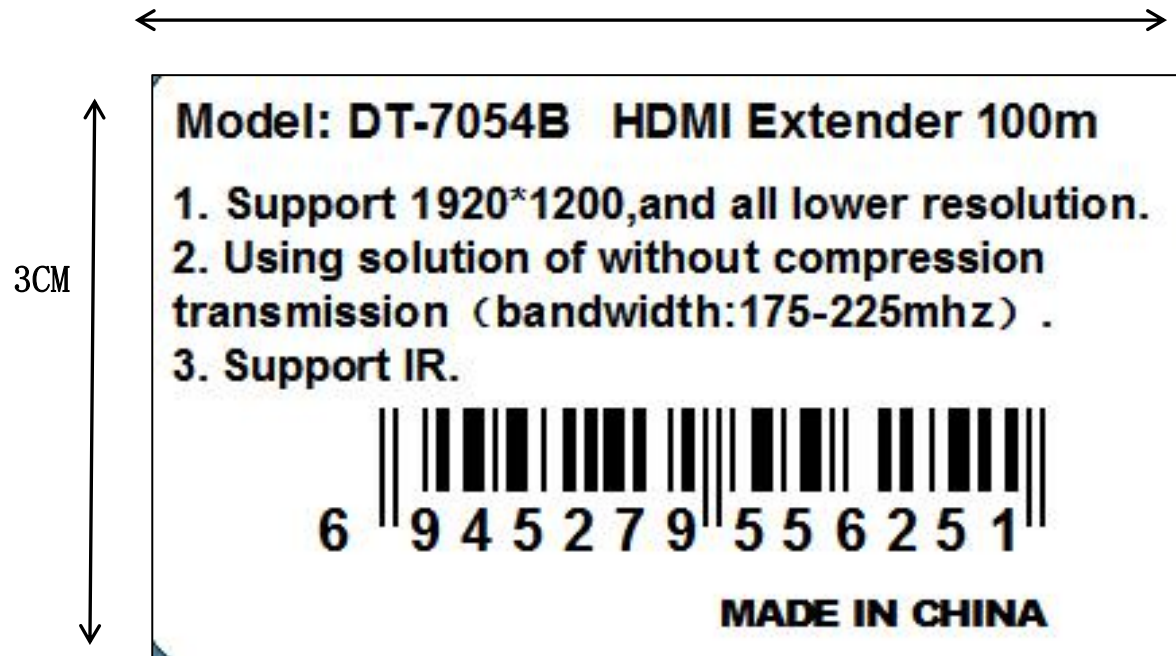
(tolerance: $\pm 2\text{mm}$)



V . Product label

white letter with black background: 5cm*3cm

5CM



VI. Product package



Product



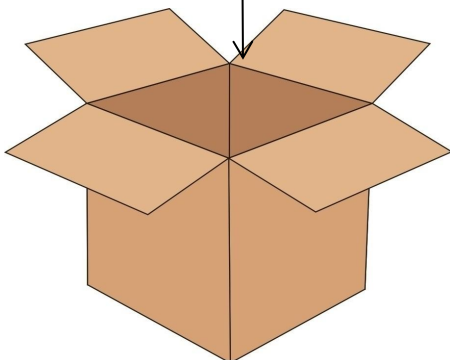
PO bag*2
12*18*3C



Blister inn



Inner box:
23.3*15.5*5.5cm
Weight: 0.82KG



Carton box:
58.5*33.5*25.5cm

Remarks:
QTY/CTN: 20PCS
G.W.: 16.92KG