

HDMI USB 2.0 KVM EXTENDER 50M WITH IR

I . Introduction

This extender support HDMI 1080P@60HZ resolution, can use one keyboard and mouse to control remote equipment . Image rendition effect is clear, natural and no obvious attenuation, transmission distance up to 50m via cat5e/6. it add an IR return function, it is convenient for users to control monitor's switch, adjust volume and switch over TV channels.

It is widely used for computer teaching system, high quality multimedia display, video conference, computer or LCD plasma high definition display conference hall, digital home theater, expos, education, financial, scientific research, meteorology etc.

II . Product Parameters

This HDMI USB2.0 KVM extender can extend HD signal up to 50m via single CAT5e/6e, and transmit the USB2.0 keyboard and mouse signals to the far end. It can support 127 kinds of USB2.0 devices. Besides, it is equipped with IR return function.

1. Connection diagram

2. Testing report

(1) Product inspection report

Product inspection report	Model No.: DT-7054
	Product name: HDMI USB 2.0 KVM extender 50m
	Test period: 120 hours

(2) testing equipment and instrument requirements

S.N.	Equipment name	Specification
1	Desktop computer	26AWG15m 1080P@60Hz
2	Samsung TV	26AWG10m 1080P@60Hz
3	Philips blu-ray machine	26AWG10m 1080P@60Hz
4	Mango player	26AWG15m 1080P@60Hz
5	Dahua hard disk recorder	28AWG10m 1080P@60Hz
6	Power adapter	DC 5V/1A
7	USB2.0 mobile hard disk	USB2.0 interface, average read speed 38M/S
8	USB2.0 keyboard	DTS audio
9	LAN cable	CAT5e 50 meters

10	IR line	1.2 m
11	SL-881	24AWG 15m 1920*1080@60HZ

(3) comparison between testing content and standard of assignment book

S.N.	Test item	Actual test item	Standard request item	conclusion
1	Aging temperature (S)	Sealed 45℃	40℃	Normal working
2	Aging temperature (R)	Sealed 65℃	40℃	Normal working
3	Aging time	Uninterrupted 72hrs	Uninterrupted 72hrs	Normal working
4	HDMI IN hot plug	15 times	15 times	Response time 5~10 seconds
5	HDMI OUT hot plug	15 times	15 times	Response time 5seconds
6	Power hot plug	15 times	15 times	Response time 5seconds
7	LAN cable hot plug	15 times	15 times	Response time 5seconds
8	Mobile hard disk hot plug	15 times	15 times	Response time 5seconds
9	Mouse hot plug	15 times	15 times	Response time 5seconds
10	USB hot plug	15 times	15 times	Response time 5seconds
11	IR line hot plug	15 times	15 times	Plug and play

(4) testing conclusion

Above all are real time testing, product working normally during the testing period, product testing qualified.

3. Product function and features

- (1) can extender audio and video signals up to 50m via CAT5e/6.
- (2) Support HD uncompressed video signal, resolution up to 1080P@60HZ.
- (3) Support IR remote control.
- (4) Support USB2.0, compatible with 127 kinds of USB devices to operate remotely.
- (5) With built-in automatic balancing system, picture is fluent, clear and stable.
- (6) 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: under indoor temperature 25℃, working temperature is 40℃-45℃

(2) The receiver: under indoor temperature 25℃, working temperature is 40℃-65℃

6. Notes

(1) This product can use USB2.0 keyboard and mouse.

(2) Connect the USB AM.BM cable before using keyboard and mouse.

(3) Please use this product within the permitted distance, CAT5e 50m.

(4) This product is equipped with 5V/1A power adapter. Power of external equipment at USB2.0 interface cannot exceed 600mA, if has high power equipment please change the related power adapter.

(5) This product video support progressive scan format, please use resolution of 480P, 576P, 720P, 1080P.

7. Electrical specification

Rated input voltage:DC 5V

Rated input current: external power source 1000mA

8. dimension and weight

(1)product dimension:

Transmitter: 105mm*75mm*25mm

Receiver: 105mm*75mm*25mm

(2)product weight: 520g \pm 10g

III. Product list and accessories

(1) Transmitter 1pc; receiver 1pc

(2) IR line 2pcs

(3) USB AM-BM cable 1pc

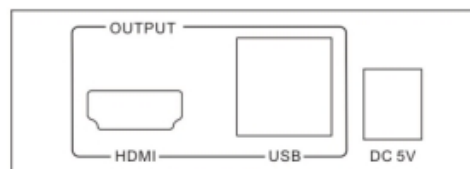
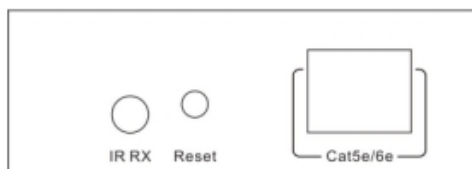
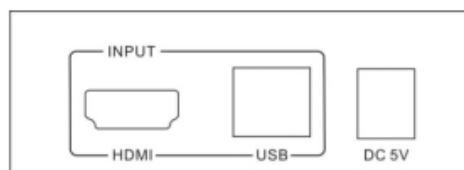
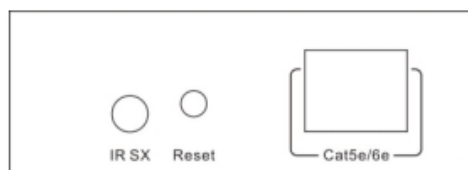
(4) power adapter 2pcs

(5) user manual 1pc

IV. Appearance specification (full metal iron shell)

(tolerance: \pm 2mm)

25mm



75mm

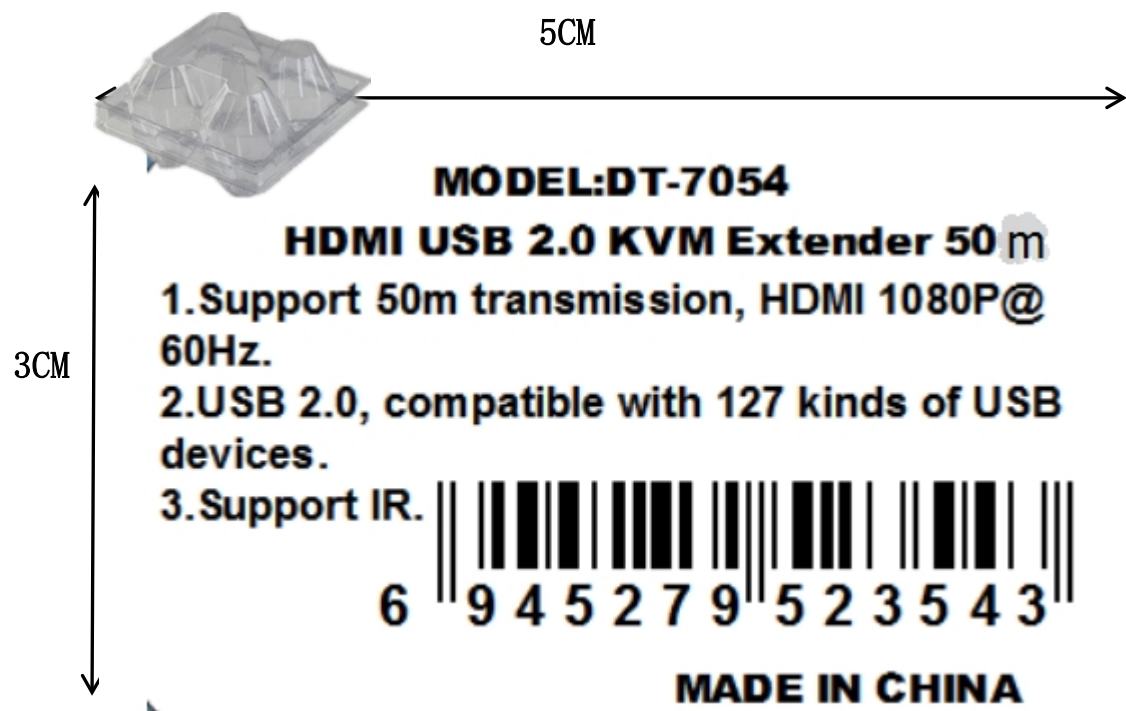
80mm

18mm



V. Product label

Black letter with white background: 5cm*3cm



VI. Product package

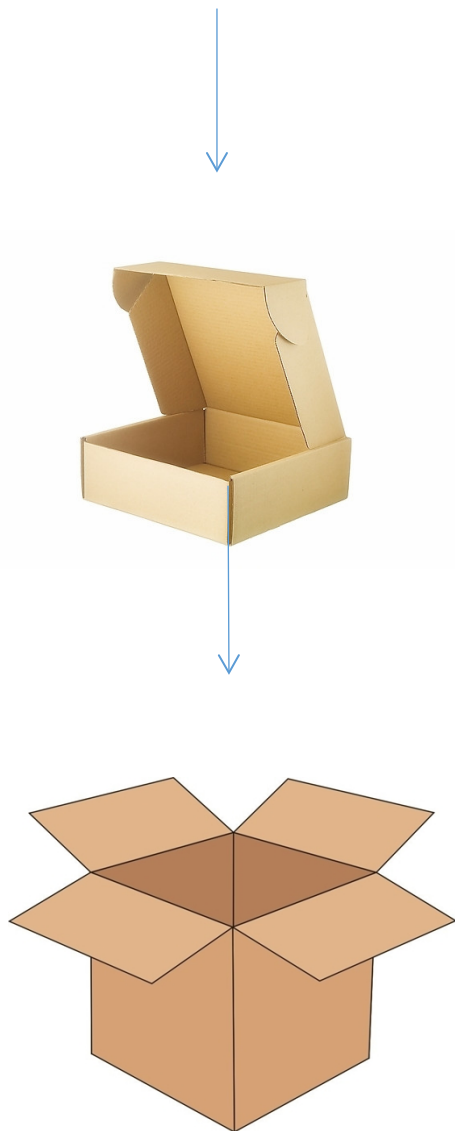


Product



PO bag*2
12*18*3cm

Blister packing



Inner Box
23.3*15.5*5.5cm
Weight: 0.88KG

Outer carton box
58.5*33.5*25.5cm

Remarks:
carton box: 20pcs/ctn
Total weight: 18.60KG