

DT-7064A(AM)
HDMI IP KVM
Matrix Extender 150m

Please read the product manual carefully before using the product.

I. Product Overview

An HDMI matrix extender is a professional audio and video device that integrates matrix switching and signal extension functions. It not only flexibly switches multiple HDMI input signals to multiple outputs, but also overcomes signal attenuation caused by long-distance transmission, enabling long-distance, high-quality transmission of high-definition audio and video signals. This matrix extender consists of a transmitter and receiver connected to a switch via an Ethernet cable. It can handle up to 256 HDMI signal sources and switch, distribute, and extend them to multiple displays. It also supports one-to-one or one-to-many signal transmission. Using a Category 5e Ethernet cable, the transmission distance from the transmitter to the receiver can be extended up to 150 meters, or up to 300 meters through a switch. When transmitting multiple-to-many signal sources, if the digital display on the transmitter and receiver displays the same value, the corresponding display is playing information from the corresponding signal source. However, the digital display on the transmitter cannot display the same value twice. This product also supports USB remote control, infrared return transmission, remote switching, and touch switching. It is widely used in security monitoring, dispatch centers, entertainment centers, multimedia exhibition venues, and other places.

II. Function Parameters

- HDMI signals support 1920*1080@60Hz resolution and are backward compatible with a variety of resolutions.
- Uses the H.264 format for video compression and decompression, effectively improving transmission speeds and ensuring smooth and stable playback.
- Long-distance audio and video transmission up to 300 meters is possible using 100M or 1000M switches, enabling one-to-one, one-to-many, or many-to-many transmission.
- Supports USB 1.1 signal transmission, enabling remote control via keyboard and mouse.
- Supports IR remote control.
- Uses Cat5e/6e or higher, single shielded or unshielded twisted pair cable for real-time audio and video signal transmission.
- Supports digital channel display, allowing channel switching via touch or remote control.
- Built-in ESD protection circuitry provides comprehensive system safety.

III. Interface Description

① Interface description (transmitter)

DC 5V

HDMI In

USB In

Cat5e/6e

IR OUT

1

2

3

4

5

DTECH

Sender.TX

Back

+

-

OK

6

7

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9

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NO.	Name	Introduction
①	DC 5V	5V DC power input
②	HDMI In	HDMI signal input
③	USB In	USB signal input
④	Cat5e/6e	Cat5e/6e Ethernet port
⑤	IR OUT	External red line output port
⑥	Signal channel display	Displays the corresponding signal channel

⑦	Back	Return
⑧	+	Channel up
⑨	-	Channel down
⑩	OK	OK

② Interface description (receiving end)

DC 5V

HDMI Out

USB Out

Cat5e/6e

IR IN

1

2

3

4

5

DTECH

Receiver.RX

Back

+

-

OK

6

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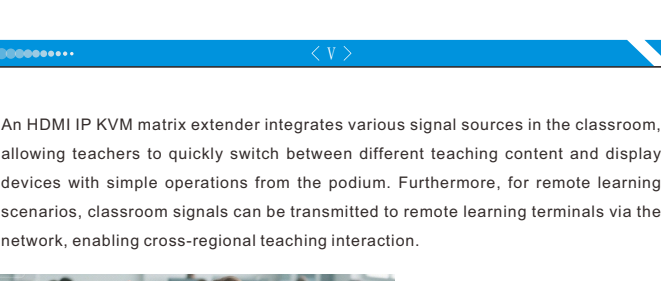
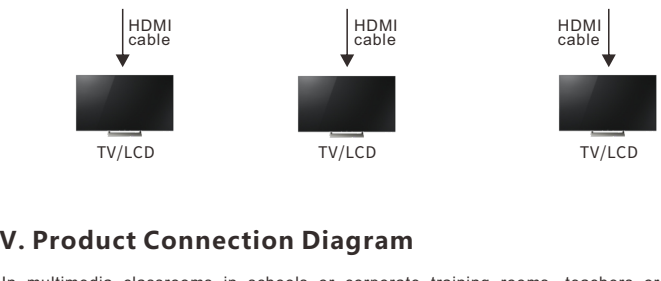
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⑨	-	Channel down
⑩	OK	OK

IV. Product Connection Diagram



V. Product Connection Diagram

In multimedia classrooms in schools or corporate training rooms, teachers or instructors need to present a variety of teaching materials, which may involve different computer devices, physical display stands, and other signal sources. They must also accurately display this content on the classroom projector or large screen.

VI. Product Connection Diagram

- One set of products
- One pair of infrared lights
- Two power adapters
- A USB data cable

Product Warranty Card

Customer Information

Model:	
Date of purchase:	
User telephone:	
User address:	
Distributor:	
Agency address:	
User telephone:	Dealer stamp valid

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.

Electronic products are guaranteed for one year, and other products are guaranteed for two years. Damage caused by human factors or product burnout caused by improper operation is not included in the scope of warranty.