



WELL BUYING INDUSTRIAL CO., LTD

MD006_2U User Guide

Version : 1.0

Date : 2026/06/20

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1. Introduction

Thank you for purchasing this product. This equipment is a professional audio-visual signal processing device suitable for live production, broadcasting systems, conference systems, and professional AV environments.

2. Safety Information

2.1 General Safety

- **Indoor Use Only:** Avoid high temperature, high humidity, and dusty environments.
- **Avoid Liquid Entry:** Prevent liquids from entering the device.
- **Do Not Disassemble:** Do not disassemble the device by yourself.

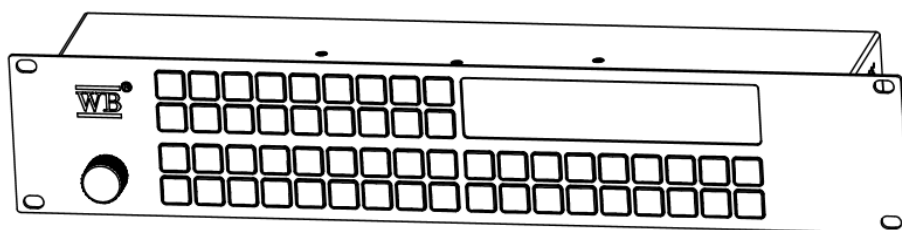
2.2 Power Safety

- Use the rated power supply indicated on the product. Ensure proper grounding.
- It is recommended to unplug the power cord during thunderstorms.

2.3 Cooling Requirements

- Maintain good ventilation.
- Do not block the ventilation holes.
- Keep at least 10 cm of space around the device.

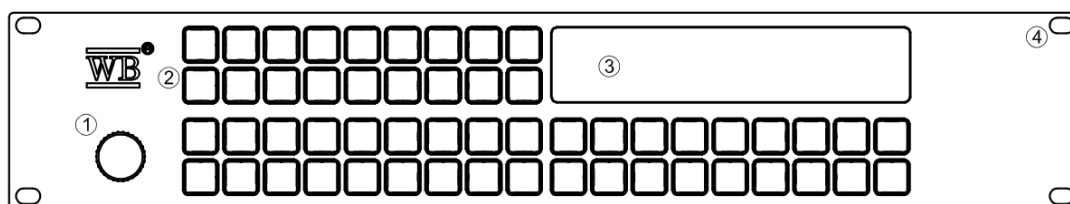
3. Package Contents



Item	Quantity
Main Unit	1
AC Power Cord	1

4. Product Overview

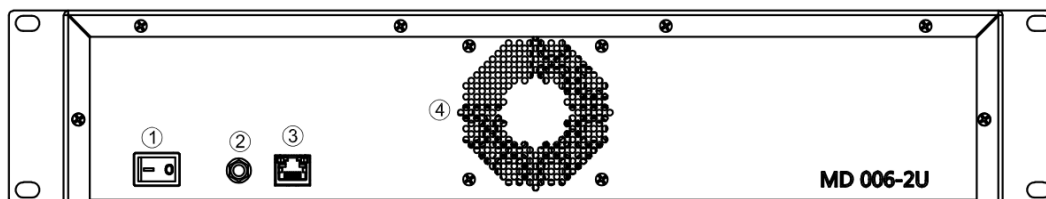
4.1. Front Panel



The figure below shows the location and function of each interface on the front panel of the device.

編號	項目	描述
1	Encoder Switch	Rotate and press to adjust VIDEO ROOM resolution; programmable to control screens/images
2	Buttons	System function buttons for device operation and functional control
3	Touchscreen	TFT Touch and Display Functionality
4	Rack Mount Holes	For rack installation

4.2. Rear Panel



No.	Item	Description
1	Power Switch	Used to turn the device power ON or OFF.
2	DC Power Input Jack	DC power input port, supports DC 12V 3A.
3	LAN Port	Gigabit Ethernet network interface, used for system maintenance, control, or network connection (depending on product features).
4	Ventilation Holes	System cooling fan, maintains normal operating temperature. Do not block the ventilation openings.

5. Technical Specifications

Mechanical

ITEM	Spec
Form Factor	2U Rackmount
Width	482.6mm
Height	88mm
Depth	70.1mm
Weight	1.94kg

Video

ITEM	Spec
Input	Internal MP4 / JPG Storage
Output	None
Resolution	280*1424 Full Color
CPU	Raspberry PI 5B
Operating System	Linux

Environmental

ITEM	Spec
Operating Temperature	0-70°C
Storage Temperature	-10~80°C

Power

ITEM	Spec
Input Voltage	DC 12V 3A
Power Consumption	45W

6. Troubleshooting

Issue	Possible Cause	Solution
No Power	AC power disconnected	Please check the power cord.
No Signal	Cable disconnected	Please check the connection.
No Output	Unsupported format	Please verify the signal format.
Overheating	Airflow obstructed	Improve ventilation.

7. Regulatory Statements

RoHS Compliance

8. Warranty

This product comes with a limited warranty.

Faults caused by material or manufacturing defects during the warranty period are eligible for repair services in accordance with the warranty terms.

Damage resulting from human factors, misuse, unauthorized repair, or natural disasters is not covered by the warranty.



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1.產品介紹

感謝您選購本產品。

本設備為專業影音訊號處理設備，可用於直播製作、廣播系統、會議系統及專業 AV 環境。

2.安全資訊

2.1 一般安全

- 僅供室內使用
- 避免高溫、高濕及粉塵環境。
- 避免液體進入設備
- 不可自行拆解

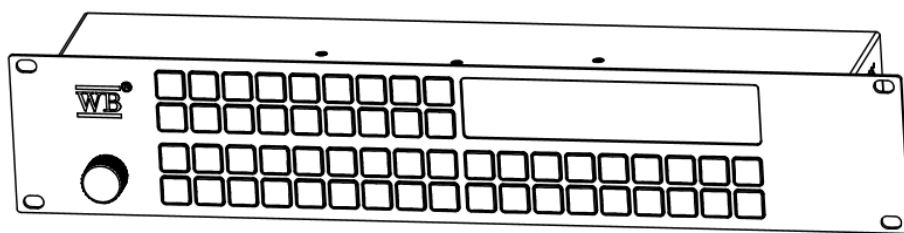
2.2 電源安全

- 使用產品標示之額定電源。
- 請確保接地良好。
- 雷雨期間建議拔除電源。

2.3 散熱需求

- 保持通風良好。
- 不得遮蔽散熱孔。
- 設備周圍應保留至少 10 公分空間。

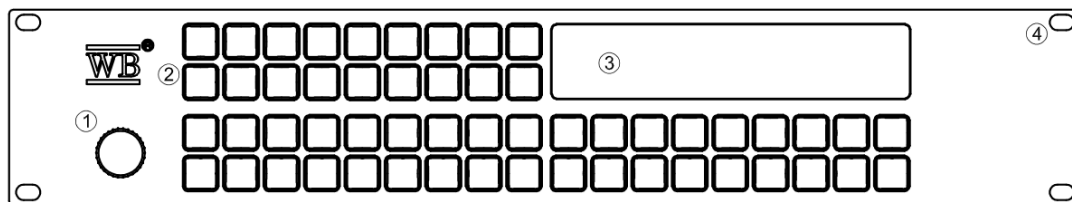
3.包裝內容



項目	數量
Main Unit	1
AC Power Cord	1

4.產品外觀

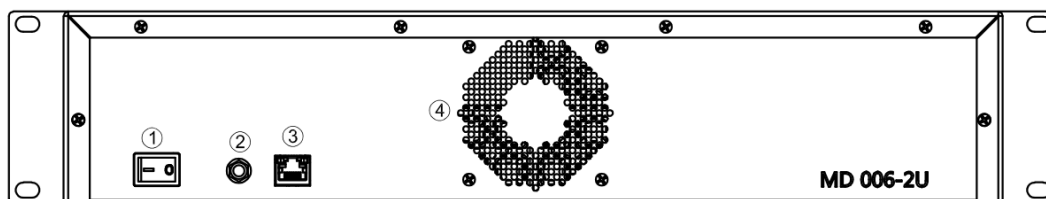
4.1.前面板



下圖顯示本設備前面板各介面的位置與功能。

編號	項目	描述
1	Encoder Switch	旋轉與按壓調節 VIDEO ROOM 解析度，可編程控制畫面/圖片
2	按鍵	系統功能按鍵，用於設備操作及功能控制。
3	觸控屏幕	TFT 觸控與顯示功能
4	機架安裝孔	機架安裝

4.2.後面板



編號	項目	描述
1	電源開關	用於開啟 (ON) 或關閉 (OFF) 設備電源
2	DC 電源輸入孔	DC 電源輸入口，支援 DC 12V 3 A
3	LAN PORT	Gigabit Ethernet 網路介面，可用於系統維護、控制或網路連線（依產品功能而定）。
4	散熱孔	系統散熱風扇，維持設備正常運作溫度。請勿遮蔽通風口。

5.技術規格

機構

項目	規格
外型	2U 機架
寬度	482.6mm
高度	88mm
深度	70.1mm
重量	1.94kg

影像

項目	規格
輸入	MP4 / JPG 內部儲存輸入
輸出	無
解析度	280*1424 全彩
系統	Raspberry PI 5B
作業系統	Linux

環境

項目	規格
使用環境	0-70℃
儲存環境	-10~80℃

電源

項目	規格
輸入電壓	DC 12V 3A
電源功耗	45 瓦

6.故障排除

問題	可能原因	解決對策
無電源	交流電源已斷開	請檢查電源線
無訊號	電纜已斷開	請檢查連接
無輸出	不支援的格式	請驗證訊號格式
過熱	氣流受阻	改善通風

7.法規聲明

RoHS Compliance

8.保固

本產品提供有限保固服務。

保固期間內因材料或製造缺陷導致之故障，可依保固條款提供維修服務。

人為損壞、誤用、未經授權拆修及天災造成之損壞不在保固範圍內。