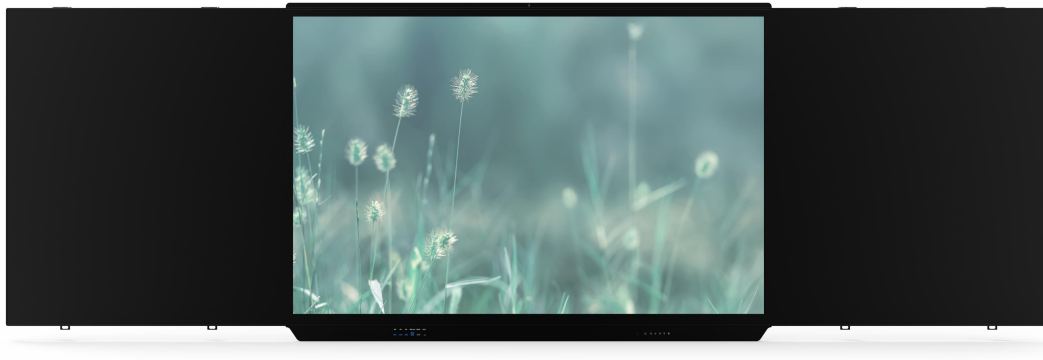


IWB8637-D Capacitive Intelligent Blackboard



The picture is only for reference

Layout	Preparation	Audit	Approval	Effective date
Jing Cai	Yilong Chen	Structure: Huan Le Electrical: Kaitao Wei	Husheng Gao	2023.03.20

[illegible]

1. Features

- Support light sensor to adjust the brightness, display more eye protection
- Equipped with 4K Ultra HD display, supporting full-channel 4K UI screen record, Feel the charm of details , Fine and clear handwriting, no jaggedness
- Annotate with the page: support gesture to turn the page in Android PPT files, and keep the annotation state without exit
- Supports Wireless Screen Mirroring
- $\pm 1.5\text{mm}$ high precision multi points touch, smooth and fluent writing, When three finger slide down, the channel screen down a certain height, the channel screen maintain normal touch
- Support two pens writing simultaneously with two-color display, multi-person collaboration is easier
- Support to lock the USB port after opening the USB permission, when inserting the U disk, you need to enter the password to open the U disk
- HDMI/VGA/RS232 channel & network signal input intelligent wake-up under standby mode.
- Support one network, Android and OPS are gigabit network
- Support network sharing
- High-order welcome application, rich live interactive experience, very interesting
- Two split screens, multi-window , multiple tasks, wider scenes
- New hover ball mode, quick customization features at your fingertips
- Eye protection, lock screen, touch lock and other widgets

2. Display Parameters

Size	86 "
Response time	8ms
Visual ratio	16:9
Max visual area	1895.04 (H) x 1065.96(V)mm
Resolution	3840 (H) ×2160 (V)
Pixel pitch	0.4935 (W) x 0.4935(H)
Frequency	60Hz
Display colors	1.07B (10bit)
Color gamut NTSC(Typ)	72%
Contrast ratio(Typ)	1100:1,1200:1,4000:1,5000:1(typ.)

Viewing angle	178°(H/V)
Back light source	DLED
Brightness(Typ)	450cd/m2
Back light life	≥30000 hours

3. Speakers

Sound track	2.0
Power	2×16W

4. Camera

Pixel	48MP
Quantity	1
Location	Front up
Field of view	D=86° H=75° V=50°
Function	Support autofocus, auto white balance, backlight compensation, support for 3D noise reduction

5. Microphone

Pickup distance	0~8m
Quantity	8
Pickup angle	0°~180°
Function	Support echo cancellation, background noise suppression, gain compensation

6. Touch & Write

Identification principle	Capacitive
Support system	Windows10/Windows8/Windows7/Windows XP/Android/Linux/Mac OS X/Chrome
Touch points	20-point touch
Input method	Finger/capacitive stylus
Response time	8ms

Touch accuracy	≤1.5mm
Communication method	USB 2.0
Writing screen hardness	7H

7. System

Chip solutions	Amlogic311D2
System version	Android 11.0
Main frequency	2.2GHZ
CPU	A73*4 + A53*4 (4 Core+4 Core)
GPU	Mali-G52*8
RAM	4GB (8G, Optional)
ROM	32GB (64G, 128G, Optional)
OSD	Chinese, Chinese (Traditional), English, Spanish, Korean, Japanese, Russian, Vietnamese, French, German, Italian, Portuguese, Arabic, Polish , total 14 kinds.

8. Bluetooth

Version	5.0
Working frequency	2.4GHz
Working distance	0~10m
Description	Built-in Blue-tooth

9. Wi-Fi

Version	802.11ac/b/g/n/a
Working frequency	2.4GHz/5GHz
Working distance	0~10m
Remark	Built-in Wi-Fi

10. Front interface

USB 3.0	3
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HDMI IN	1
Touch USB	1
TYPE-C	1
Push button / light sensor / remote	1(Switch/Home/Screen Down/Screen recording/Touch lock/Settings)

11. Onboard interface

HDMI IN	2
HDMI OUT	1
USB 3.0	2
USB 2.0	2 (One OTA)
TOUCH	2
TYPE-C	1(USB3.0)
DP IN	1
EARPHONE	1
RS232	1
RJ45 IN	1
RJ45 OUT	1
COAX	1
MIC	1

12. Power parameters

Voltage	Rated100-240V~,Max 90-264V~50/60Hz
Max power consumption	480W
Standby power consumption	≤0.5W

13. Size & Weight

Bare dimension	1951.5*1210.99*83.07mm(not include the board)
	4200*1210.99*96.15mm(include the board)

Packing dimension	2120*220*1325mm
Wall mount screw specifications	M8×60mm Expansion screw
Net weight	TBD
Gross weight	TBD

14. Accessories

Power cord	×1
Stylus pen	×1
Wall hanging	×1
Quick guide to use	×1

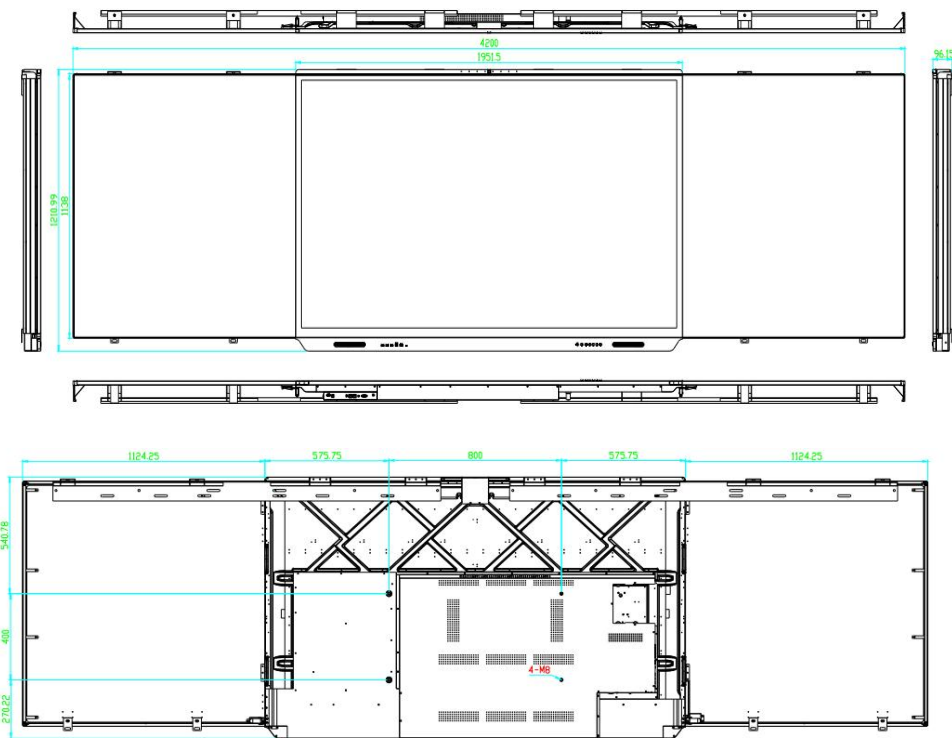
15. Environmental factors

Working temperature	0°C~40°C
Working humidity	10%~90%RH
Storage temperature	-20°C~60°C
Storage humidity	10%~90%RH
Working elevation	Below 5000m

16. Optional module

OPS module dimension	OPS size (120mm*180mm*30mm) European standard
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17. Product Six Views



18. Disclaimer

Affected by product configuration and manufacturing process, the actual body size/body weight may be different, please refer to the actual product.

The product images in this specification are for illustrative purposes only. The actual product effect (including but not limited to appearance, color, size) may be slightly different, please refer to the actual product.

In order to provide accurate specifications as far as possible, the text description and picture effects of this specification may be adjusted and revised in real time, so as to match the actual product performance, specifications and other information.