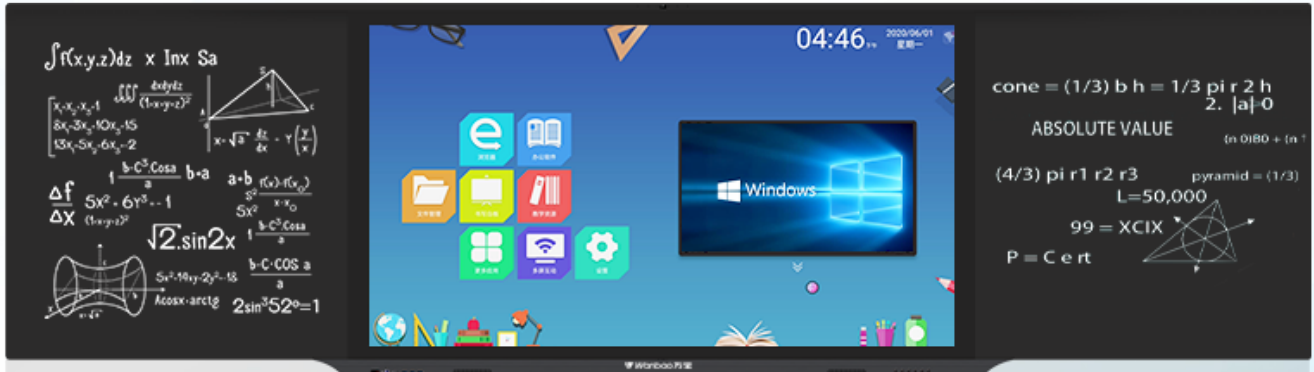




# Multifunctional smart infrared blackboard

## J338 series

### product specification



**Smart integration, all in one**

Smart blackboard integrates computer, touch screen, blackboard, learning tablet, audio, projector and other equipment functions in one

**Rich teaching resources**

Cover electronic teaching textbooks for preschool, elementary school, elementary school, and high school, expanding multi-disciplinary extracurricular applications

NB simulation experiment, simulating the actual experimental steps, combining pictures and texts, helping students better understand the principles of the experiment;

**Teaching whiteboard**

With 20-point touch control, multiple people can write, erase, answer questions in split-screen, write and draw on the whiteboard at the same time. Various functions meet the needs of many aspects in the classroom and make teaching more vivid;

**Document comments**

Support importing courseware such as Word/Excel/PPT/PDF/video/picture/music. When encountering important points or difficulties, the teacher can open the comment mode at any time to circle the key points;

**Chalk writing**

The sub-board uses a micro-magnetic honeycomb structure with a surface hardness of 8H. It can be written directly with chalk, water pen, and dust-free chalk, and the handwriting will be erased and cleaned without leaving marks.

**Wireless screen mirroring**

Wireless screen cast, four split screen display, whether it is high-definition document or video display, is still extremely smooth;

**One-key switch between dual systems**

Built-in Android 9.0 system + Windows system, supports downloading more applications to meet more office needs;

**Dual-screen explosion-proof, anti-glare**

Adopt 4mm physical anti-glare tempered glass design to prevent reflection. Double-screen explosion-proof tempered glass panel, hardness 7H, scratch-resistant, anti-collision, safe and durable;

**Full viewing angle, non-laminated**

4K ultra-clear display, wide viewing angle does not affect the viewing of the outer two rows of students, waterproof and dustproof, easy to maintain;

### **Support optional custom: swipe card to boot**

Built-in IC card reader, when the teacher is in class, swipe the card to turn on the device to prevent others from arbitrarily operating and destroying the equipment;

### **Energy saving**

Five-finger rests screen, automatically wakes up, energy saving and environmental protection.

Display parameters		
Glass specification	A grade	
Size	75 inches	86 inches
Max.display size (mm)	1649 (H) ×928 (V) mm	1895 (H) ×1066 (V) mm
Resolution	3840 (H) ×2160 (V)	
Response time	8ms	
Aspect ratio	16:9	
Refresh rate	60Hz	
Chromaticity	1.07B(10bit)	
Color gamut NTSC(Typ)	72%	
Contrast (Typ)	5000:1	
Viewing angle	178°(H/V)	
Backlight type	DLED	
Screen brightness(Typ)	≥350cd/m <sup>2</sup>	≥400cd/m <sup>2</sup>
Life	≥30000h	

Built-in dual systems	
Android system	Android 9.0
	CPU: Quad-core Cortex-A55@1200Mhz
	GPU: Mali-G52
	RAM: 2GB
	ROM: 16GB
Windows system	i3 / i5 / i7(optional)
	RAM 4GB+ ROM 128GB solid state drive

Touch writing system	
Principle of Recognition	Infrared recognition
Support system	Windows10/Windows8/Windows7/Windows XP/Android/Linux/Mac OS X/Chrome
Touch points	20 points touch
Smallest identifier	2mm
Input method	Fingers, touch pens and other opaque objects
Response time	<15 ms
Touch accuracy	±1mm (more than 90% touch area)
Writing height	3mm
Communication way	Full speed USB+ Serial ports
Surface hardness of writing screen	7H
Surface treatment of writing screen	Anti-glare inside and outside
Output coordinates	32767 (W) × 32767 (D)
Sampling Rate	≥100HZ
LOGO/dynamic import	Users can import their own boot animations and pictures in the system panel according to their needs
PC one-key restore	With our PC, the computer system can be restored in the Android system menu without the help of keyboard and mouse
Theme	Education theme
Front interface	Three USBs (shared by Android/PC, the display surface is the priority), high-definition interface, photosensitive, Touch usb, type-c
Front keys	Energy saving, switch OPS computer, switch all-in-one machine function
Menu can be pulled up under PC	Support
Lock function	Screen lock, PC touch lock, U disk lock, application lock

Channel intelligent	Support
System Upgrade	Local + support networking
Smart pen	6-key smart pen
Screen recording	Support
Pen tip writing	Support
Quick access to the factory	Support
Screen laminated method	Non-laminated method (CO and AG are only 0.5mm spacing) for smoother
Number of microphones	Standard configuration: N/A High configuration: 6 arrays
Pickup distance	0-8m
Webcam	Standard configuration: N/A High configuration: 8 million pixels
Swiping card reader	Standard configuration: N/A High configuration: swipe card switch
High-speed photographic	Standard configuration: N/A High configuration: Side push-pull
Channel intelligent	Support
System Upgrade	Local + support networking

Valid I/O Ports	
HDMI IN	3 (front 1 port)
USB2.0	5 (3 ports front/PC)
VGA IN	1
EARPHONE	1
Touch usb	2 (front 1 port)
RS232 UART Series ports	1
RJ45	1
type-c	1 (front)

Power parameter	
Power input	180-240V~50/60Hz
Standby power consumption	≤0.5W

Audio and video parameters	
Soundtrack	Two-channel
Power	2×10W (full frequency)

Environmental factor	
Operating temperature	0°C~40°C
Operating humidity	10%~90%RH
Storage temperature	-20°C~60°C
Storage humidity	10%~90%RH
Altitude	Below 5000m

➤ One-key switch between dual systems



android



Windows7/10



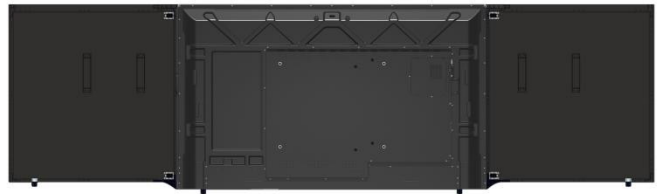
System	Parameter
Android 9.0 system	2GB + 16GB memory
Windows system	I3/i5/i7 (optional) 4GB+128GB memory



## ➤ 4.1 Product display



Front



Back



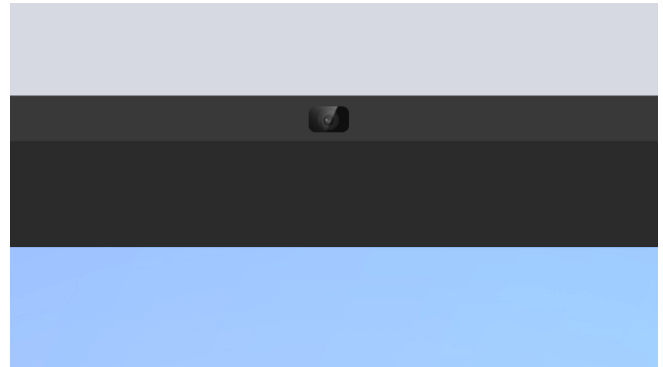
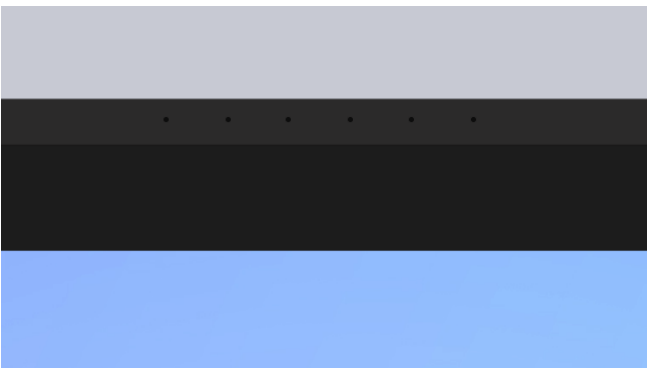
Side

## ➤ 4.2 Correlative size structure

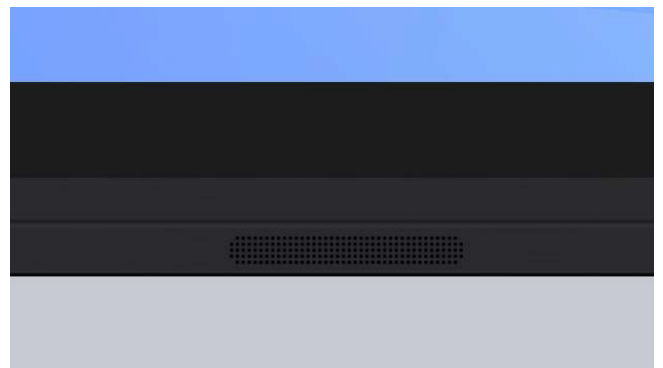
Size	75 inches	86 inches
Screen display size (L*W)	1649*928mm	1895*1066mm
Main screen size (L*W*T)	2020.6*1206*115mm	
Sub-board size (L*H*T)	1094.5*1206*115mm	
Assembled size(L*H*T), the maximum shape includes wall	4200*1206*115mm	
Packing size (L*H*T)	2185*346*1326mm	
VESA hole specification (L*W)	400×600mm	400×800mm
Quantity of sub-board	2	
Net weight of main board	69kg	72kg
Net weight of sub-board/pc	10.3kg*2	10.3kg*2
Gross weight of whole machine	115kg	118kg

**> 4.3 Appearance Features of Smart**

Ultra-thin rounded border

Built-in 800 million pixels  
camera

Six array microphones



Speaker

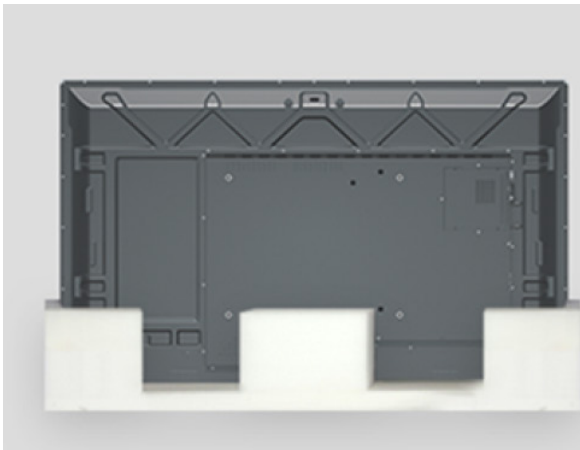


Front interface



Laser silk screen LOGO

### ➤ 5.1 Safe packaging without worry protection



Foam pad



Imported kraft paper carton

### ➤ 5.2 Packing accessories

Accessories with the machine			
Power cord	1.8m	Installation guide	1pc
Touch pen	2pcs	Wall connector	4pcs
Quick use guide ( warranty card)	1pc	main and auxiliary screen wall hanging plate	2pcs
Certificate of qualification	1pc	wall bracket connection part	1pc
Level	1pc	main screen wall-mounted strip	2pcs
Blackboard eraser	1pc	Screw pack	1set
Anti-collision corner protector	2pcs		

## ➤ 6.1 Mounting method



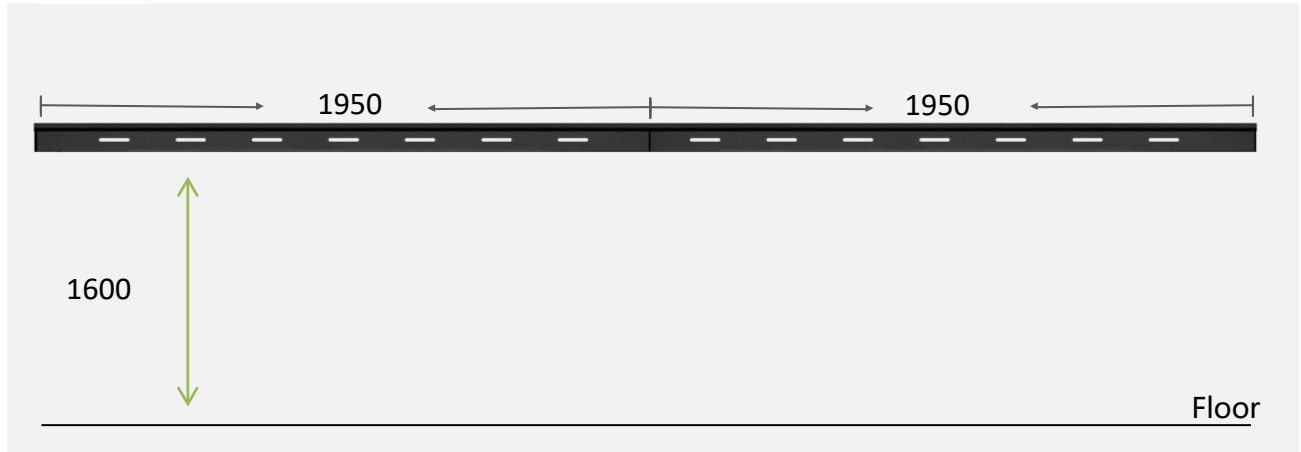
Wall-mounted installation

## ➤ 6.2 Model Size Recommendation

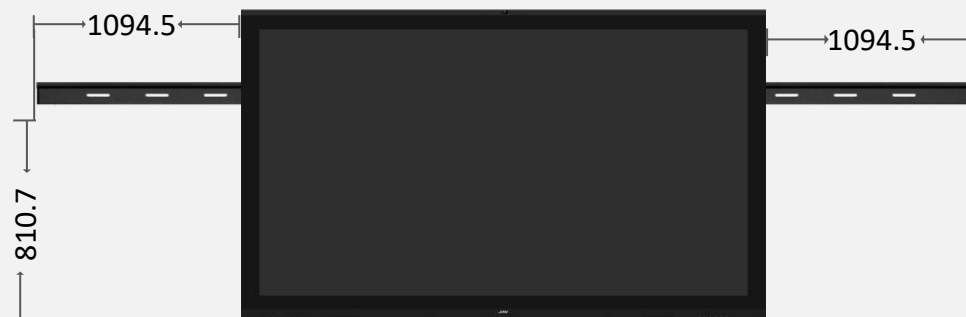
Recommended applicable size		
Model size	75 inches	86 inches
Area	20-40 m <sup>2</sup>	40-60 m <sup>2</sup>
People	15-40 persons	More than 40 persons

### ➤ 6.3 Installation process (size unit mm)

1. Fix the hanging board on the wall horizontally. It is suggested that the height from the ground should be  $\pm 2010\text{mm}$



2. Then hang the main screen on the hanging board and fix it;



3. Finally 2pcs of sub-boards are hung in two sides of the

