

NUWEN[®]

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NUWEN CO.,LTD

NUWEN SMART BOARD



Professional Touch Display

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Nano Smart Blackboard



Smart Nano Blackboard is an intelligent interactive teaching device that integrates capacitive touch control, LCD display, computer host, audio, multimedia video booth and traditional handwritten blackboard functions into one. Covering touch interaction multimedia teaching and chalk writing it seamlessly integrates the traditional teaching blackboard and the perceivable interactive blackboard.

Waterproof, explosion-proof
Anti-radiation and anti-glare

Intelligent Interaction Intelligent Teaching

Tempered glass panel, explosion-proof/
scratch-resistant/impact-resistant/
splash-proof

Enriching teaching materials and
making it fun

Zero Lamination Process
Restore a sense of reality

4K screen
Ultra clear picture quality

Mohs' seventh degree
4mm tempered glass

4800W
High definition camera

Octuple array
pickup microphone

Front button
easy use

- Touch control and display in one, zero-lamination process
- Five fingers rest screen, extremely fast experience smooth configuration

- Intelligent writing, multifunctional editing smooth control
- Supports multi-material writing pens and multiple writers at the same time

NanoWisdom Parameter List

Typology	75-inch Nano Blackboard	85-inch Nano Blackboard	86-inch Nano Blackboard	
Display parameters	Display Size	1650*2400mm × 928.266H mm	1872(W) × 1053(H) mm	1891(W) × 1062(H) mm
	Display Type	LED liquid crystal display	LED liquid crystal display	LED liquid crystal display
	Screen display size	75 inches	85 inches	86 inches
	Physical resolution	3840 (H) × 2160 (V) (UHD)	3840 (H) × 2160 (V) (UHD)	3840 (H) × 2160 (V) (UHD)
	Display Color	16.7M/1.07B (8-bit)	16.7M/1.07B (8-bit)	16.7M/1.07B (8-bit)
	Refresh Rate	60HZ	60HZ	60HZ
	Brightness	500cd/m2	500cd/m2	500cd/m2
	Contrast ratio	1200: 1 (Typ.) (transmission of radiator through a radiator)	6000: 1 (Typ.) (transmission of radiator through a radiator)	6000: 1 (Typ.) (transmission of radiator through a radiator)
	Brightness uniformity	>72%	>72%	>72%
	Response time	8ms	8ms	8ms
Angle of view (degrees)	178°	178°	178°	
Display protection	4MM tempered explosion-proof and anti-glare glass	4MM tempered explosion-proof and anti-glare glass	4MM tempered explosion-proof and anti-glare glass	
Backlight Life	120,000 hours	120,000 hours	120,000 hours	
Computer	3, 5, 17 and other configurations available	5-45" 128 SSD 1T	5-45" 128 SSD	
System Parameter	Android processor	ARM Cortex-A55*4	ARM Cortex-A55*4	ARM Cortex-A55*4
	System	Android 11.0 Embedded System	Android 11.0 Embedded System	Android 11.0 Embedded System
	Memory	2G	2G	2G
	Storage space	16GB	16GB	16GB
External storage	SD card maximum expansion 64G, USB3.0 maximum support 1T	SD card maximum expansion 64G, USB3.0 maximum support 1T	SD card maximum expansion 64G, USB3.0 maximum support 1T	
	Image format	PAL/SECAM/NTSC (Option)	PAL/SECAM/NTSC (Option)	PAL/SECAM/NTSC (Option)
Port Parameter	Video System	BG /DK /I/L	BG /DK /I/L	BG /DK /I/L
	Channel storage	200	200	200
Input Port	Decoder	3D digital comb filter, 3D image motion noise reduction, 3D motion adaptive comb filter, etc.		
	Speaker specifications	80*15W*2	80*15W*2	80*15W*2
	Audio characteristics	Balanced, Auto Volume Control, Surround, Equalizer	Balanced, Auto Volume Control, Surround, Equalizer	Balanced, Auto Volume Control, Surround, Equalizer
	Communication port	RS232: 1 group	RS232: 1 group	RS232: 1 group
	AU port	2 groups (1 set of 3-in-1 port)	2 groups (1 set of 3-in-1 port)	2 groups (1 set of 3-in-1 port)
	RF port	1 group	1 group	1 group
	VGA port	1 group	1 group	1 group
	Audio port	1 group	1 group	1 group
	Color difference terminals	1 group (3-in-1 port)	1 group (3-in-1 port)	1 group (3-in-1 port)
	RJ45	1 group	1 group	1 group
Output Port	TV card	be in favor of	be in favor of	be in favor of
	MIC	1 group	1 group	1 group
	TOUCH PORT	2 groups (1 group in front)	2 groups (1 group in front)	2 groups (1 group in front)
	HDMI port	3 groups (front)	2 groups (1 group in front)	2 groups (1 group in front)
	USB port	3 groups (1 group in front, 1 group front, 1 group, PC only)	3 groups (front)	3 groups (front)
	Coaxial port	1 group	1 group	1 group
	AU port	1 group (3-in-1 port)	1 group (3-in-1 port)	1 group (3-in-1 port)
	Headset	1 group	1 group	1 group
	VGA port	1 group	1 group	1 group
	Touch Parameters	touch embedding method	Built in integrated, non external	Built in integrated, non external
Touch sensing technology		Projector capacitive touch technology, ITO drive free, brand Freaga	Projector capacitive touch technology, ITO drive free, brand Freaga	Projector capacitive touch technology, ITO drive free, brand Freaga
Writing method		Finger	Finger	Finger
Positioning accuracy		More than 90% of the touch area is ± 2mm	More than 90% of the touch area is ± 2mm	More than 90% of the touch area is ± 2mm
Reaction time		<8ms	<8ms	<8ms
Communication interface		A-type USB male connector	A-type USB male connector	A-type USB male connector
Touch resolution		32767*32767	32767*32767	32767*32767
Touch frequency		Theoretical number infinite times	Theoretical number infinite times	Theoretical number infinite times
Transmission speed		120Mbps	120Mbps	120Mbps
Drive program		Automatic system recognition, no drive required	Automatic system recognition, no drive required	Automatic system recognition, no drive required
Characteristics of the whole machine	Operating system	Windows(7/8), Android, Mac OS, Linux		
	Working voltage	DC-5V	DC-5V	DC-5V
	Power waste	≤1W	≤1W	≤1W
	Working temperature	0°C-60°C	0°C-60°C	0°C-60°C
	Machine overall size	4000*1285*890 (mm)	4000*1280*890 (mm)	4000*1280*890 (mm)
	Package size	4600*1350*1000mm	4200*1350*1060mm	4200*1350*1060mm
Voltage range	AC (90-240) V-50/60HZ	AC (90-240) V-50/60HZ	AC (90-240) V-50/60HZ	
Whole machine power	≤380W Excluding OPS	≤380W Excluding OPS	≤380W Excluding OPS	
Standby power	≤0.5W	≤0.5W	≤0.5W	

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All-in-one Teaching Machine



Teaching all-in-one machine, simple and convenient to use, two-way efficient interactive teaching, more intuitive image, illustrated, classroom interaction is interesting, so that the transmission of knowledge becomes "sound" dynamic and vivid. It is the best choice for school education, interest training courses and other industry applications.

"Fresh" Fun Programs are Unlimited

A collection of rich teaching resources from top 100 schools, the essence of teaching aids and cloud preparation handouts, combining audio-visual and fun.

- Anti-glare light**
Protecting the eyesight of teachers and students
- Zero Lamination Process**
Restore the sense of reality
- Clear details**
4K HD screen

Easy sharing and multi-screen interaction

Full-screen one-click recording, writing content with one-click code scanning easy to share the content at any time to view

- Whiteboard Recording**
fast and easy to use
- Multi-screen connection**
two-way interaction
- Swipe to share**
One click away

Interactive Teaching Resource Platform

Covering a full set of teaching courses in kindergarten, elementary, middle school, and high school, it breaks the traditional teaching stubbornness and reduces teachers' burden of lesson preparation.

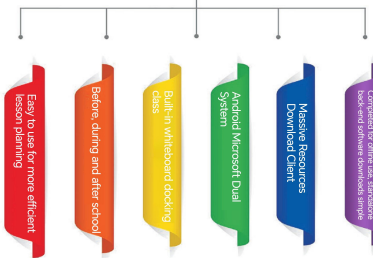


Eight Features

- National synchronized teaching materials
- Synchronized Teaching Aids
- Pre-Review Tools
- Green Platform Security Management
- Master Classroom Haidian Video
- Traditional Culture
- Animation Teaching
- The real questions simulation examination center

The perfect combination of technology and education

Change the traditional teaching mode, to create "see-listen-speak-touch-think" multi-channel sensory learning method of physical books and the virtual world of the double experience, parents do not have to worry about children addicted to electronic products!



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Inquiry All-in-One Machine

Suitable for government agencies, banks, hotels, libraries, product display and other places



Supports WIFI wireless connection

Built-in WIF remote wireless connection to the network, convenient for sale

Touch Inquiry System

Easy to realize touch query, exhibition display, interactive and other needs

Supports 3D guided display

Real estate, hotels, stations, exhibition halls and other three-dimensional panoramic virtual display

Photo Exhibition Display

The bottom lists photos to choose from and photos can be zoomed in and out with your finger

Fine craftsmanship is reflected in the workmanship

Anti-glare, fine material paint, slim body streamline shape



Intelligent Advertising Machine

Wall-mounted advertising machine / elevator advertising machine / vertical advertising machine / interactive advertising machine



Cloud Intelligent Information Distribution

Cloud Management, Remote Management, Multi-Login, Cloud Intelligent Operation

Intelligent automatic loop playback

Plug in a USB flash drive to automatically play prepared content

Multiple mounting options

Support horizontal and vertical screen wall mounting and hanging installation

Preset content timer on/off

Customizable working hours, automatic content switching based on preset time slots

Full HD screen

High-definition resolution, can last for a long time to provide a rich and bright presentation of shocking visual experience



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Live Streaming All-in-One

Integration of cell phone, computer, vertical screen monitor, teleprompter, etc., large screen can be seen clearly from a distance.



Intelligent Multi-Screen Interaction

Avoid missing pop-ups and improve the quality of live broadcasts

- Professional Live Screen Advantage**
Long live broadcasts without heating up or crashing
- Switch freely between horizontal and vertical screens**
Flick to switch between horizontal and vertical screens, no need to remove screws frequently.
- Fast response for large screen interaction**
Read comments and interact with fans even from a distance.
- Simultaneous Live Streaming on Multiple Platforms**
Simultaneous projection of live cell phone feeds to the big screen.
- Full HD screen**
HD resolution delivers rich, brilliant colors for extended periods of time.

Commercial TV

Suitable for hotels, KTV, restaurants, supermarkets and other venues



- Price advantage
- Configuration customization
- Brand Customization
- Specialized adaptation of hotel management system (IPTV)



pub (public house)



karaoke (slang)/KTV



Hypermarket

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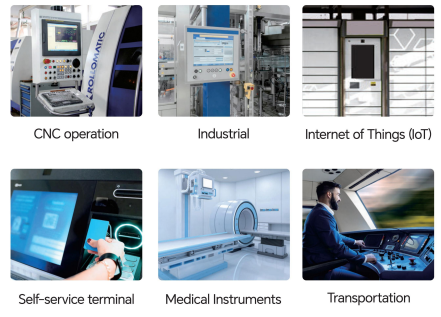
Industrial Touch All-in-One

Widely used in industrial fields, CNC operation, production control, vending machines, express pickup cabinets, etc.



- Multi-touch
- Anti-interference
- Anti-vibration
- High and low temperature resistance
- Wireless WIFI
- Humanized design

- 7X24 hours operation**
- All-weather uninterrupted operation with low failure rate
- IP65 rated protection design**
- Front panel IP65 grade design, splash and dust proof
- Industrial Control LCD**
- LED Preferred A-grade screen for better quality
- Ultra-thin face frame design**
- Ultra-thin design for a tight fit on a variety of end devices
- Low consumption and quiet design**
- Fanless and silent design for noiseless operation

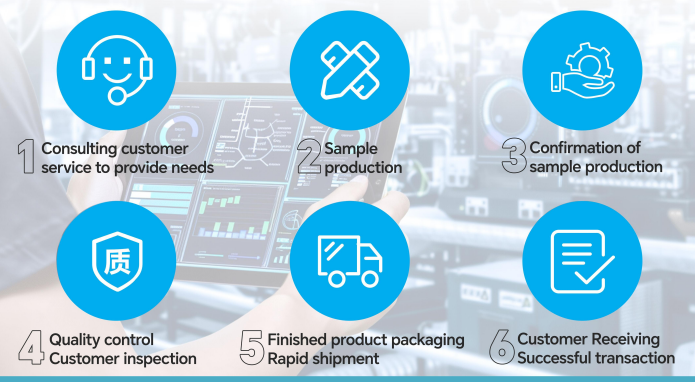


Shaped Customized Machine

Customized product form and function according to customer needs



Customization Process



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