# WISDOM NANO CHALKBOARD
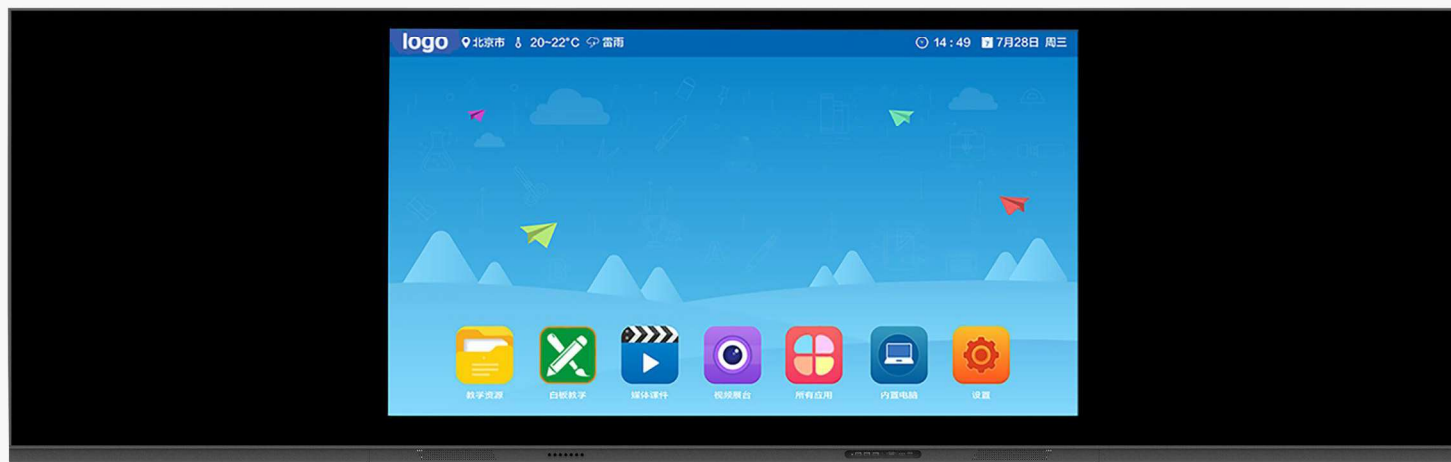
——Smart blackboard with chalkable surface

# 01

## MACHINE APPEARANCE



## SPECIFICATION OVERVIEW

| category | model | Specs | |
|---|---|---|---|
| Appearance | surface | 4mm anti-glare glass | |
| | size | 4018mm(L)*1267mm(H)*100mm(T) | |
| | chassis | Aviation aluminum alloy | |
| | Corner structure | Aluminum alloy frame (with sharp corners removed) | |
| | | | |
| Screen panel | screen size | 75 inches | 86 inches |
| | Display area | 1650mm(L)*928mm(H) | 1896mm(L)*1067mm(H) |
| | light source | LED backlight | |
| | Physical resolution | 3840*2160 | |
| | Zoom | 16:9 | |
| | brightness | 480cd/m² | |
| | Brightness uniformity | 92% | |
| | Contrast | 4000:1 | |
| | Backlight type | Direct type LED backlight | |
| | Maximum viewing angle | 178°(H)/178°(V) | |
| | Response time | ≤8ms | |
| | Service life (Typ) | ＞100,000hrs (Typ) | |
| | Fitting method | Zero fit | |
| | | | |
| Android | Mstar | MSD6A648 | |
| | CPU — Architecture | Cortex A53*4 | |
| | CPU — Working frequency | 1.46GHz | |
| | CPU — Number of cores | Quadcore | |
| | GPU | Mali-720MP2 | |
| | RAM | 2G DDR3 | |
| | FLASH | 8GB build in EMMC | |
| | SD CARD | 32GB SD card | |
| | OS version | Android 8.0 | |
| | Language — OSD | English | |
| | | | |
| OPS pc (optional) | Intel Core — CPU 4th gen. | i3 ☐   i5 ☑   i7 ☐ | |
| | Note: The specific use model depends on the life cycle of the CPU product | | |
| | OS features — operating system | Windows10 | |
| | | Windows7(Optional) | |
| | Configuration — RAM | 4G ☑        6G ☐ | |
| | hard disk | 128G ☑       256G ☐ | |
| | Graphics card | Integrated Graphics ☑ | |
| | | Discrete graphics ☐ | |

| category | model | Specs |
|---|---|---|
| Network | Wired network | 100/1000Mbps |
| | wireless network | 2.4G/5G wireless 802.11 a/b/g/n |
| | | |
| Port | TF | 1*support |
| | Mic IN | 1*support |
| | VGA IN | 1*support |
| | VGA AUDIO IN | 1*support |
| | USB2.0 | 3*Support (2 front, 1 rear) |
| | USB3.0（OPS） | 6*support |
| | Touch USB | 2*Support (1 front, 1 rear) |
| | HDMI in | 2*Support (1 front, 1 rear) |
| | RJ45 | 1*support |
| | Earphone OUT | 1*support |
| | | |
| Function | Speaker | 2*15W stereo |
| | Permission to boot | NFC swipe card switch |
| | Power (AC) input | *1 |
| | switch | *1 |
| | post-maintenance | Maintenance-free before disassembly |
| | wireless microphone | Wireless Mic module to realize external audio collection |
| | One key switch | The same physical button completes Windows Android switch machine |
| | | Supports 10bit 1.07M full-color display (3840*2160) high-definition display, true color OSD humanized operation menu, complete factory setting mode, Android system 6.0 or above, etc. |
| | | |
| Safe and reliable performance | Riot and shock resistance | Yes |
| | waterproof | Yes |
| | Wearable | Yes |
| | dust-proof | Yes |
| | anti-static | Yes |
| | Splash proof | Yes |

# 02

## SPECIFICATION OVERVIEW

| category | model | Specs |
|---|---|---|
| Power | Operating Voltage | 220V |
| | Standby power consumption | ≤1W |
| | Maximum power | ≤450W |
| Environmental conditions | Operating temperature | -25℃~60℃ |
| | Storage temperature | -25℃~60℃ |
| Document camera （Optional） | Physical resolution | 3264*2448 (800W pixels) (optional) |
| | Connection method | USB connection |
| | | AP connection |
| | Focus method | auto focus |
| | Maximum frame size | A4 picture |
| | light source | Natural light, LED auxiliary light source |
| | | LED auxiliary light source with 4-level adjustment |
| | interface | *1 USB2.0 |
| | | *3 USB2.0 (optional) |
| | size | 320MM*375MM*370MM |
| | Operating temperature | -10℃~60℃ |

| category | model | Specs |
|---|---|---|
| Structure | Fully modular design | Android driver module, OPS computer, front port module, audio module, built-in physical booth (optional) module |
| | net weight | 95KG |
| | Gross weight | 140KG |
| | Bare machine size (length, width and thickness) mm | 4018mm(L)*1267mm(H)*100mm(T) |
| | Packing size (length, width and thickness) mm | 2165*540*1418mm |
| | Shell material | Aviation aluminum material |
| | Shell color | Dark gray |
| Accessories | Complete machine certificate Warranty Card | *1 Product qualification certificate (warranty card) |
| | Capacitive writing pen | *1Capacitive writing pen |
| | Permission IC card | *5 Permission IC card |
| | Connector | *4 Connector |
| | L connector | *2 L connector |
| | Hanging on the wall | *4 Hanging on the wall |
| | M8 expansion screw | *18 Expansion screw |
| | F5/M5 mounting screws | *12/*38 mounting screws |
| | Wool eraser | *1 Wool eraser |
| | WIFI antenna | *3 WIFI antenna |
| | OPS computer | *1 OPS computer |
| | remote control | *1 remote control |

## PRODUCT STRUCTURE DIAGRAM

(pictures are for reference only)
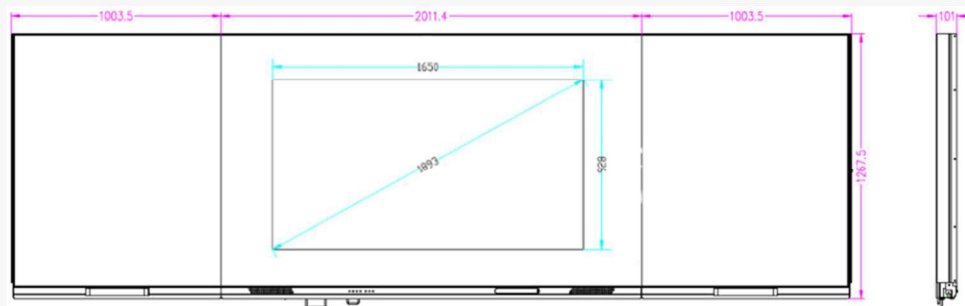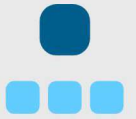


75inch Size Drawing
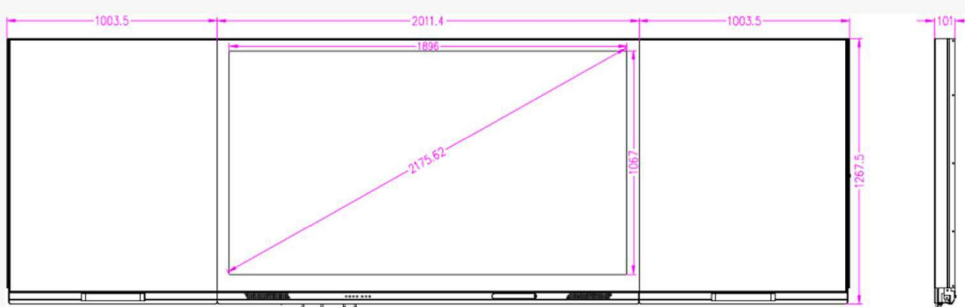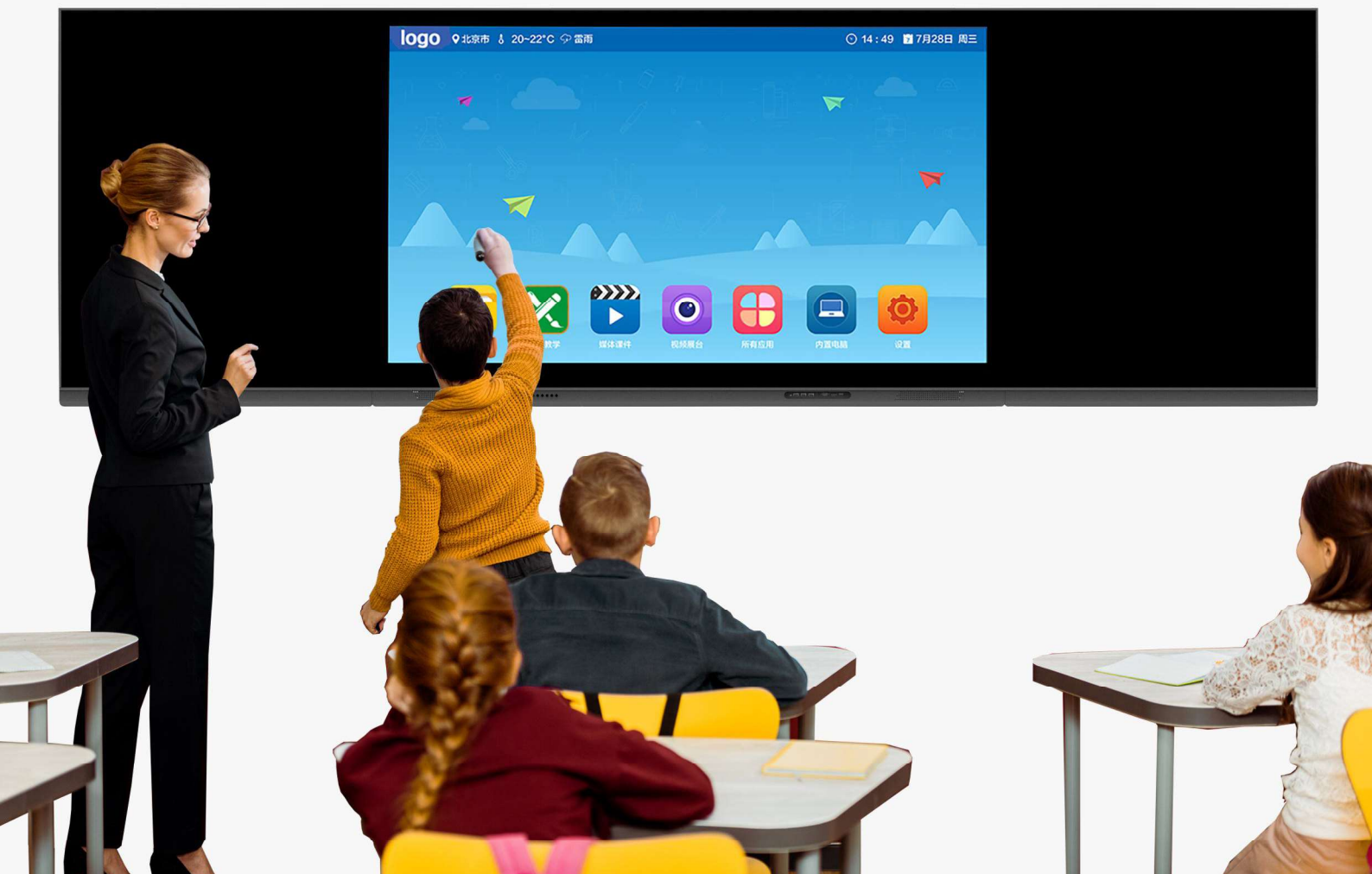


86inch Size Drawing

# 03

## INTERFACE SPECIFICATIONS

Front interface: USB2.0*2 / VGA, AUDIO IN*1 / HDMI*1 / USB (touch)

Front button: Power/menu/computer switch/home page/volume-/volume+/input source

## CAPACITIVE TOUCH RELATED SPEIFICATIONS

## PRODUCT OVERVIEW

High-touch nano touch, the resolution obtained by interpolation algorithm can be as high as 32767*32767;

it supports ordinary chalk, dust-free chalk, water pen and finger touch;

this product can choose to support 20-point touch;