

Brand: STBOARD
Model HJ T D98NNA
Overall size (mm) 4651.7 x 1386.8 x96 mm
Screen size 2158mmx1215mm
Combination method Blackboard panel
Display area (mm) 2158.8x1215mm
Brightness 400cd/m²
Backlight type DLED
Resolution 4K@60HZ (3840*2160)
Horizontal and vertical resolution 32767*32767
Pixels 0.5622 (W) x 0.5622(H)
Interactive technology High-precision capacitive touch
Image ratio 16:9
Screen color 10Bit(1.07 billion), 16.7M
Viewing angle $\geq 178^{\circ}$
Tempered glass thickness 4mm
Tempered glass technology AG anti-glare glass, Mohs level 7
Dynamic contrast 5000:1
Physical contrast 1200:1
Touch accuracy 1mm
LED panel life 50,000h
Capacitive characteristics No gap (distance between 2 glass panels)
Number of touch points 20 points (android) 40 points for windows
Speaker power 15W*2 (can add 20w subwoofer)
Response time $\leq 5\text{ms}$
Response 4m/s
Refresh rate 60-120 Hz
Camera 48mega pixels (4k camera 107+/-3) With IA camera
48Mg pixel, sensor size:1/3.06,
Pixel size: 1.12x1.12um (13Mp pixel); Operating current
300-450mA, Operating voltage 5V; Interface type usb
2; Video format MJPG: MJPG resolution list:
15fps@3840x3104 30fps@3840x2160 2560x1440
1920x1080 1280x720 960x540 640x360 YUY2:
1fps@3840x3104 3840X2610 2560x1440; 5 frames/second
@1920x1080; 10fps@1280x720; 20fps@960x540; 30fps@640x360
8m max. microphone, Mic board size
130x6mm, Mic distance 40mm. AI algorithm supports Echo Can lens
Technical parameters Field of view 4:3; D111.1
H86.5 V74.7 16:9 D99.1 H86.5 V52 Lens size
M6.8*p0.25 TTL
5.12MM Effective focal length 2.262mm F /NO (INFINITE
) TV distortion $2.2\pm 5\%$
Language 26 languages (English, Vietnamese, Chinese, etc.)
Blackboard Blackboard on both sides supports magnetic adsorption function, can be written
without ink or chalk. Automatically converts light and bold strokes
Insert teaching tools
Two colors write at the same time
Fingerprint
Antibacterial screen
Screen Share
Annotation

Hearing aid induction ring

Blackboard writing The surface material of the touch board + blackboard can produce marks on chalk, chalk and liquid of contrasting colors, which can be erased without the need for daily cleaning solution

Android 14.0 (V100) Chip sử lý chính Quad-core ARM Cortex-A55 1.5Ghz *8

Main chính Mali-G52 MP2(2EE)

Internal Memory 8GB

External Memory 128GB

Front Port

USB TOUCH B 3.0x1

HDMI IN x1

Type-C x1

USB3.0x3

Side Port

HDMI IN 2.0 x2

USB-B TOUCH 3.0 x1

Type-C 3.0 x1

USB-A 2.0 x1 USB-A 3.0 x2

TF-card*1

DP x1

Rear Port

RS232x1 Earphone x1

RJ45 IN x1 RJ45 OUTx1

SPDIF OUT x1 YPBPR x1

Audio in x1 Audio out x1/MIC INx1

VGA in x1 VGA Audio in x1 HDMI OUT x14.

Wireless

1. Version 802.11 a/b/g/n/ac, Dual frequency 5G/2G (4 antennas connect wifi)

5. Bluetooth Version 5.0

6. Power parameters

Input 100-240V~50/60Hz

Maximum power $\leq 600W$

Standby power $\leq 1W$

7 Environmental factors

Operating temperature $0^{\circ}C \sim 40^{\circ}C$

Operating humidity $\leq 80\%RH$

Storage temperature $-10^{\circ}C \sim 60^{\circ}C$

Storage humidity $10\% \sim 80\%RH$

8. Packaging size

Packaging material Honeycomb packing box

Main touch screen packaging size

2450 *1560*310 mm

Sub-board 1370*1520*230 mm

Main touch screen N.W: 98kg G.W: 130kg

Side panel N.W: 26kg G.W: 35kg

9 Accessory packs

Pen x2

Power cord x1

Remote control x1

USB TOUCH cable x1

Cáp HDmi x1

Wall Mount Accessories X1

OPS: CPU: Intel Core I7-12Th, Chipset: singel CPU, RAM:
1 x 4GB DDR (Up to 16GB), Storage: 256 GB SSD (Up to
1TB), Operation System: Windows 10 Pro, Bluetooth: BT4.0
Optional, Connection port: HDMI 2.0 Output x 01 (Support
4K @60Hz); DP Port Output x 01; Microphone input x 01;
Earphone output x 01; RJ[1]45 x 01; USB 3.0 x 04.

OPS input power 19V(DC) 5A, standby mode <0.5W

Connection port: HDMI 2.0 Output x 01 (Support 4K @60Hz); DP port output x 01;
Microphone input x 01; Headphone output x 01; RJ-45x01; USB 3.0x04

12. Monitor stand

Stand type: Mobile TV stand, interactive screen stand, mobile LCD screen stand,...

+ Stand suitable for 98 inch LCD screen.

+ Color: Black powder coated SPCC iron, plastic surface

+ Load capacity: 150kg

+ Material: Super smooth powder coated SPCC steel

+ Easy to move with 4 wheels, fixed with lock

+ Easy, quick and convenient installation

13. Wifi Extender BenQ InstaShow WDC10

+ Supports Windows, MAC, Chrome platforms. All OS support standard

HDMI 1.4

HDMI 1.4 video output, HDCP compliant, Frame rate up to 30fps depending on environment

+ Output resolution 800 x 600, 1280x720 (720P),1024 x 768 (XGA),1280 x
768,1280x800(WXGA),1280 x 1024,1280 x 960,1360 x 768,1440 x 900,1400 x
1050,1680 x 1050, 1920x1080 (1080p)

+ Input resolution up to 1920x1080, connect up to 16 PCs

Stereo, 16-bit radio quality 48KHz

Wireless IEEE 802.11ac, 5GHz, 2T2R

Wireless data rate up to 400Mbps

+ WPA2 authentication protocol (WPA2-PSK (Pre-Shared key) / WPA2-Enterprise)

128-bit security

Max. 8m between InstaShow Button and InstaShow Host

USB power cable x1 (150cm, USB type A 3.0, micro USB)

14 Special Features

4K UHD writing resolution, slim pen strokes + High-performance writing software, support
single-point and multi-

point writing, increase the pen writing effect, etc., support whiteboard inserting pictures,
adding pages, scrolling the board with pointing gestures,

zoom in, zoom out and roam, scan code sharing, any channel can be annotated in
any interface features

+ AG explosion-proof tempered glass, Mohs hardness level 7, safe and secure for a better
writing experience

+ Wireless mobile device screen projection, support multi-channel screen projection,
mirroring control

, remote snapshot, video, music, document sharing, screenshot, wireless remote control,
secret point projection and other functions

+ Sidebar buttons, gestures call the functions of the small window: voting, timer, screenshot,
child lock

, screen recording, photo capture, touch, smart eye protection, etc., and touch control switches
can freely switch antivirus software, copyrighted windows software and software system

to support teachers.

Print Screen function: Quickly capture the content of the writing area and save it directly to the writing area.

- Screen capture function: Capture the selected area and save it directly to the computer or writing area

- Cutout function: Draw a closed line, cut out the content of this closed line and insert it into the writing area

- Split screen function: Provides the ability to split at least 4 screens for simultaneous use, supporting

recording, annotation and erasing independently on each split screen

- In Index, there are 9 functions including adding page, deleting page, copying page, cutting page, pasting page, copying

page, deleting page, deleting page, deleting blank page, locking page.

- Lock Screen function: Lock the entire computer interface to avoid misuse; Click the Close button at the bottom right to exit the lock screen.

- Infrared touch technology, no light interference, no height touch, 20 point multi-touch with Windows/ 40 points with Android.

- The extended function can be connected to a webcam to take pictures for teaching applications.

- Browser: supports dragging text to search for information directly from the internet in the software. Supports

full-screen mode/go to previous/next web page and clip the screen into the software

- Supports displaying animals, biology as 3D models with 3D view with 4 arbitrary viewing angles/rotations

- Supports taking screenshots in 3D view and switching to the software

- Supports English handwriting recognition

- Real-time interaction and recording speed without lag

- Whiteboard/interactive mode: one button to change these two modes

- Supports floating toolbars to adjust the screen, record, lights, insert text, data.

- Allows dragging images, videos, formulas, charts, pie charts, etc. directly onto the board and dragging these

multimedia resources in original format, unlimited copies; Support split table, increase/decrease random rows/columns

- Provide a player that supports playing video clips, taking snapshots, adjusting speed and annotating when playing videos

- Provide a toolbox combined with common tools so that teachers can customize their operations

- Support Annotation and annotation mode on all applications. You can move all your annotations and save it

- Support Shape Recognition including lines, arrows, circles, ellipses, pentagons, triangles and shapes up to six sides

- Support 3D panoramic block preview and use effects to open

- Animation: support setting animation effects, page transition effects

- Support recording the entire, part or specific part of the screen. Save in multiple formats such as

mp4/avi/wmv.

- Support selecting the type of video device in camera recording mode. There is a full-screen camera view mode and allows

adjusting the size of the camera view and moving it

- Automatically request to save the file after random shutdown

- Support print preview and allow printing the entire page or selected area
 - + Wall mount included with the machine: Size suitable for the screen; Material made of stamped steel
 - +blackboard supports double-sided magnetic
 - +Touch panel surface material
- The main screen can display all images drawn or written by the 2 screens on both sides
- + The blackboard can be written with chalk, or liquid with contrasting colors, no need to use daily cleaning water.