Interactive Smart Flat Panel

TV-98830E

Description

This interactive smart flat panel integrates application function modules such as presentation, writing, human-computer interaction, and content sharing. With a practical paperless information-based comprehensive application platform, it helps transform and upgrade the teaching methods of tens of millions of Chinese traditional classrooms.

Feature

* Using narrow frame design, UHD LED LCD screen, display resolution 3840*2160, display ratio 16:9, with anti-glare effect; under high illumination (110K Lux) environment, it can still work normally.
* The screen display has rich color details and a high degree of color reproduction (color gamut ≥ NTSC 72%), and the classroom demonstration screen can be presented delicately.
* The grayscale of the screen reaches more than 128, which endows the display screen with sharp effect and strong layering.
* Adopting zero lamination technology, there is almost no sense of suspension when you lift the pen to write, giving you a paper-like writing experience. The surface tempered glass (7H hardness) can effectively protect the screen, reduce the polarization and scattering between the panel and the glass, and the screen display is clearer and more transparent, and the viewing angle is wider.
* It has the function of reducing and filtering blue light, which can be activated by touching the menu button.
* Support sensing and automatically adjusting the screen brightness to achieve different brightness display effects in different lighting environments. This function can be turned on or off by itself.
* Support the camera function, click the camera button to call the camera (external connection) to take pictures; click the settings button to adjust the countdown to take pictures, the position of the toolbar button, and the position of the camera.
* Using IR touch technology, it supports dual-system multi-person and multi-touch writing. It supports up to 20 points of touch under Android system, and up to 40 points of touch under Win system.
* The 2.0-channel high-power independent cavity speaker + front sound structure design makes the output sound quality more clear and textured, making the transmission of knowledge more dynamic and lively.
* Built-in wireless network module, without any external or transfer antenna, network card can realize Wi-Fi wireless Internet connection and AP wireless hotspot transmission at the same time. Support 2.4G & 5G frequency bands, and the version complies with IEEE 802.11 a/b/g/n/ac /ax standards.
* The front TypeC interface supports full-featured audio and video input functions. External devices can be connected through a standard TypeC cable to project the screen on the large screen. At the same time, the touch computer operation can be realized without connecting any other cables.
* Equipped with dual RJ45 network interfaces, it realizes the function of two-way branch router, and the automatic identification and use of the input and output terminals do not need to be distinguished, so that the external devices can share the connection, and only one wired network cable is needed to realize simple deployment.
* Adopt the design of virtual buttons on the left and right side navigation bars, which can quickly call back, home, whiteboard, annotation, multi-task management, signal source, tools, etc., and supports custom replacement of applications and shortcut tools.
* In the Android system environment, shortcut tools can be called through the left and right sidebars to realize the task collaboration of the two-screen display on the screen; the notification supports writing and presentation pictures and documents, supports entering the comment mode, and can be shared by scanning the code.

* In any channel, you can quickly call up the convenient menu of the central control at any position through gestures, with common functions such as return operation, one-key home page, task preview, menu setting, one-key whiteboard, and full-channel screen annotation; six shortcut applications can be customized and added; the central control menu can be automatically hidden without occupying the display area.
* Adopt the design of three keys in one, that is, the power switch, OPS computer switch and energy-saving standby key are the same physical key, so as to ensure the convenience of user operation.
* The Android whiteboard supports writing and gesture erasing, and supports more than ten graphics tools. The written content of the whiteboard can be exported to PDF, picture and other formats. It supports local/USB storage of the whiteboard content, and supports QR code scanning and sharing.
* The whiteboard supports intelligent recognition of hand-drawn graphics, and supports the insertion of smart tables. The size of the table can be automatically extended according to the writing content, and rows and columns can be added separately by drawing straight lines.
* Support voting function. Topic and option content can be edited, up to 10 options can be set, single-choice and multiple-choice are supported. After the setting is completed, the voting will be issued through mobile phone scanning, and the voting results can be generated into pie charts or bar charts, and can be inserted into the whiteboard in picture format.
* Support wireless screen projection function, transfer the external computer screen to the large screen through the screen projection software, and connect up to four devices at the same time for screen projection.
* Support customizing the length of no-signal standby time. When the device is in the state of no signal reception within the set time, it will automatically standby to save energy consumption.
* Support standby wake-up function. In standby mode, the LAN and HDMI ports support the wake-up of the whole machine when receiving signals. It is energy-saving and environmentally friendly, and can increase the service lifespan of large-screen devices.
* Support customizing the power-up default channel, specify the power-up default channel when shutting down in any channel, and also remember the power-off signal source as the power-up signal source.
* With the screen password lock function, you can customize the unlock password. After the function is turned on, the screen can be locked and the unlock password can be entered.
* Support the all-network function; only one wired network cable is required to meet the Internet access requirements of OPS and Android dual systems, and there is no need to switch to the network cable connection separately.

Specification

Model	TV-98830E
Screen size	98 inches
Screen type	IPS
System version	Android 11.0
CPU	Quad-core A55
RAM	4GB
ROM	32GB
Response time	8ms
Aspect ratio	16:9
Display size	2158.85(H)×1214.35 (V)mm
Resolution	3840(H)×2160(V)
Refresh rate	60Hz
Chroma	1.07B (10bit)
Color Gamut NTSC(Typ.)	72%
Contrast ratio	1200:1
Viewing angle	178°(H/V)
Backlight type	DLED
Screen brightness (Typ.)	400-450cd/m2 ±10% (typical value of nine-point center)
Average lifespan	≥50000H
Touch recognition technology	Infrared touch
Supported touch system	XP/Win7/ Win10/ LINUX/ Android
Touch points	Windows: 40-point touch, 20-point writing; Android: 20-point touch, 10-point writing
Minimum identifier	2mm
Touch method	Opaque objects such as fingers and stylus
Touch response time	＜8ms
Touch accuracy	±1mm
Writing height	≤2.5mm
Writing surface hardness	7H
Wi-Fi version	IEEE802.11a/b/g/n/ac/ax+Bluetooth5.0
Wi-Fi working frequency	2.4G, 5G
Wi-Fi working distance	<10M
Sound track	CH2.0 stereo dual channel

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Power	2×15W@8Ω
PC type	Plug-in Intel Core series modular computer
PC port	OPS-C Standard 80 Pin
Front port	HDMI*1, USB3.0*2, Type - C*1, TOUCH 2.0*1
Onboard input port	RJ45*1, AUDIO IN*1, RS232*1, USB2.0*1, HDMI*2, USB3.0*2
Onboard output port	RJ45*1, EARPHONE(LINE OUT)*1, OPTICAL OUT*1, TOUCH OUT(USB2.0)*1
Power supply	110~240V/50~60Hz
Total power consumption (without OPS)	About 400W
Standby power consumption	≤0.5W
Overall size (L*H*D)	2217.84mm*1326.29mm*94.8mm
Package size (L*H*D)	2401mm*1490mm*320mm
Screen + wall mount thickness	129mm (error ±2mm)
Weight	98±1kg/127.9±2kg
Working temperature	-10℃~55℃
Working humidity	10%~90%RH (no condensation)