Interactive Intelligent Flat Panel

TV-86830E

Description

This multimedia plat panel integrates application functional modules such as presentation, writing, human-computer interaction, content sharing, and so on. With practical paperless system and efficient information transmission, the comprehensive application platform helps the transformation and upgrading of teaching methods, provides intelligent interactive experience and application display, and realizes diversified and information-based knowledge dissemination and sharing.

Feature

* Adopt narrow frame design, UHD LED LCD screen, display resolution of 3840*2160, display ratio of 16:9, with anti-glare effect; can work normally under high illumination (110K Lux) environment.
* With rich color details of display and high color reproduction (color gamut ≥ NTSC NTSC 72%), the demonstration picture can be presented delicately.
* More than 128 grayscale resolution level of the display ensures the sharpness and layering of the screen display effect.
* Use fit technology without zero distance for paper-like writing experience. The surface tempered glass (7H hardness) can effectively protect the screen, and reduce the polarization and scattering between the panel and the glass, so that the screen display is clearer and more transparent, and the viewing angle is wider.
* With blue light reducing function, which can be activated by touching the menu button with one key.
* The whole machine can sense and automatically adjust the screen brightness to achieve different display effects in different lighting environments. This function can be turned on or off by yourself.
* Adopt infrared touch technology, support dual-system multi-touch writing, support up to 20 touch writing in Android, and support up to 40 touch control in Win system.
* 2.0 sound channel high-power independent cavity speaker and front-end sound structure design makes the output sound quality clearer and more textured.
* Built-in wireless network module, without any external antenna, transfer antenna, or network card, can realize Wi-Fi wireless Internet connection and AP wireless hotspot transmission at the same time. Support 2.4G & 5G frequency band, and the version conforms to IEEE 802.11 a/b/g/n/ac/ax standard.
* The front TypeC interface supports full-featured audiovisual input. The external device can project display to the large screen by connecting the standard TypeC cable. At the same time, the operation of touch computer can be realized on the machine without connecting any other cables.
* Equipped with dual RJ45 network interfaces to realize the function of two branch routers, and the input and output terminals are automatically identified and used without distinction, so that external devices can share the connection. Simple deployment can be achieves with only one wired network cable.
* With virtual buttons of the navigation bar on the left and right sides to quickly return and call home page, whiteboard, annotation, multitasking management, signal source, tools, and so on. Support custom replacement of applications and shortcut tools.
* In Android system, shortcut tools can be called through the left and right sidebars to achieve two-screen display and task collaboration. Notification supports for writing and presenting pictures and documents, supports for entering annotation mode, and sharing by scanning code.
* Under any channel, the convenient central control menu can be quickly called up at any position through gestures, with common functions such as return, one-key home page, task preview, menu setting, one-key whiteboard, and all-channel screen annotation, and six shortcut applications can be added by custom; the central control menu can be automatically hidden without occupying the display area.
* Adopt three-button-in-one design, that is, the power switch button, the OPS computer switch button and the energy-saving standby button are the same physical button to ensure the convenient operation.

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* Android whiteboard supports writing and gesture erasing, supports more than ten graphic tools, supports export of whiteboard content to PDF, picture and other formats, supports local/U disk saving of whiteboard content, and supports QR code scanning and sharing.
* Whiteboard supports intelligent recognition of hand-drawn graphics, and supports insertion of intelligent tables. The table can be automatically expanded according to the writing content, and rows and columns can be added separately by drawing straight lines.
* Support voting function. You can edit the content of the issues and options, and can set up to 10 options of single-choice and multiple-choice. After the setting is completed, you can scan code to issue the voting, and the voting results can be generated as pie chart or bar chart, which can be inserted into the whiteboard in image format.
* Support wireless screen projection, support the transmission of external computer images to the large screen with wireless software, and can connect up to four devices to screen at the same time.
* No-signal standby time can be customized. When the device is in a no-signal receiving state within the set time, it will automatically stand by to save energy.
* Support standby wake-up function. In standby state, LAN and HDMI ports support wake-up and power-on when the signal is connected, which is energy-saving and environmentally friendly, and can improve the service life of large screen.
* The default channel for startup can be customizes. When any channel is turned off, you can specify the default channel to start up, and you can also set the shutdown signal source to memorize as the startup signal source.
* With screen password lock function, you can customize the unlock password. After enabling, you can lock the screen and enter the password to unlock.
* Only one wired network cable is required to meet the Internet access requirements of the OPS and Android dual systems without switching the network cable connection separately.
* Support the camera function, click the camera button to call the camera (external connection) to take pictures; click the settings button to adjust thecountdown to take pictures, the position of the toolbar button, and the position of the camera.

Specification

Size	86 inches
Screen type	IPS
System version	Android 11.0
CPU	Quad core A55
RAM	4GB
Storage	32GB
Response time	8 milliseconds
Aspect ratio	16:9
Display size	1895.04(H)×1065.96(V)mm
Resolution	3840 (H) ×2160 (V)
Refresh rate	60Hz
Chromaticity	1.07B (10bit)
Color gamut NTSC (Typ.)	72%
Contrast	4000:1 (Typ.) Transmission
Viewing angle	178°(H/V)
Backlight type	DLED
Brightness (Typ.)	350-400cd/m2 ±10% (typical value of nine-point center)
Lifespan	≥50000 hours
Touch recognition	Infrared touch
Touch system	XP/Win7/ Win10/ LINUX/ Android
Touch point	Windows supports 40 points by default; Android supports 20 points by default
Smallest identifier	2mm
Touch method	Fingers, stylus and other opaque objects
Touch response time	<8 milliseconds
Touch accuracy	±1mm
Writing height	≤2.5mm
Screen 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	<10 m
Soundtrack	CH2.0 stereo dual channel

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Power	2 x 15W@ 8Ω
PC type	Plug-in Intel Core series modular computer
PC interface	OPS-C standard 80 Pin
Front interface	HDMI*1,USB3.0*2,Type-C*1,TOUCH 2.0*1
Onboard input port	RJ45*1，ΑUDIO IN*1，RS232*1, USB2.0*1, HDMI*2,USB3.0*2
Onboard output port	RJ45*1，EΑRPHONE(LINE OUT)*1，OPTICΑL OUT*1，TOUCH OUT(USB2.0)*1
Power input	110~240V/50~60Hz
Overall power consumption (excluding OPS)	About 370W0W
Standby power consumption	≤0.5W
Overall dimension (L×W×T)	1961.2mm*87.42mm*1171.9mm
Whole machine + wall mounter bracket thickness	120mm(error ±2mm)
Weight	68.5±1kg/83.8±2kg
Working temperature/humidity	-10 ~ 55ºC / 10% ~ 90%RH (no condensation)