



Description

The domestically produced intelligent interactive flat panel is designed for small and medium-sized meeting rooms in government and enterprise units, creating a professional meeting center. The product integrates a high-definition display, digital whiteboard, intelligent central control, and high-quality speakers; it runs on a domestically produced operating system, meeting the needs of meeting presentations, writing, interaction, collaboration, sharing, and video conferencing, covering the entire meeting process.

Features

I. Product Hardware/Software Functions:

- *The 86-inch DLED LCD screen features full HD 4K system icons, a simple and business-style design, and is made entirely of aluminum alloy with a silver-gray color scheme. It boasts an ultra-narrow bezel design with a screen-to-body ratio of up to 90%, an ultra-thin screen body, hidden ports, and a simple yet elegant appearance.
- *It has a built-in non-independent computer module, and all conference functions run in the computer module, which uses a domestic operating system.
- *The data files are encrypted using the national cryptographic algorithms SM2 and SM3, and the encryption is maintained during transmission to ensure the security and reliability of data transmission and storage; it complies with national security standards and enhances the overall information security protection capability.
- *It features a 12-pin magnetic connector and can be equipped with an optional smart camera module (detachable 4800W HD camera and 8-array microphone), eliminating the need for separate wiring and preventing the leakage of meeting information through physical protection.
- *Ultimate audio experience: The product adopts a 2.0 channel design with two sound chambers: 2×20W (mid-high frequency) slit speakers; it has 5 sound effect options (standard, conference, vocal, music, cinema) to meet the needs of different scenarios.
- *It features a full-function Type-C interface, enabling screen projection, reverse control, and audio/video signal transmission.
- *It features an HDMI loop-out interface, a DP input interface, and supports 4K 60Hz.
- *It features one RS232 interface, two IO interfaces, and two RELAY interfaces for IoT central control, facilitating integration and management with other devices, enabling intelligent environmental control, and enhancing user experience and comfort.
- *The display uses high-precision touch technology, which can accurately recognize touch objects with a diameter of 1.6 mm, ensuring a delicate operating experience.
- *The entire screen and screen protector use zero-lamination technology to effectively prevent light reflection.
- *Made with advanced anti-glare (AG) tempered glass, it effectively suppresses ambient light interference and screen reflection, significantly reducing visual discomfort caused by glare and ensuring viewing comfort while providing a softer visual experience.
- *It supports multiple wake-up methods. In the screen-off state, you can wake up the device by raising the pen, double-tapping the screen, looking at the screen, or pressing the button. Raising the pen can quickly access the whiteboard and annotation functions.
- *It supports optional smart camera modules to enable voice assistant functions, allowing users to operate main functions via voice assistant, such as starting a meeting, ending a meeting, turning off the screen, and shutting down the device.
- *It features a document presentation function, which automatically enters the document presentation mode when a user opens a file. During the document presentation, users can annotate, play videos, and use a split-screen whiteboard to meet the needs of displaying more document content.



Intelligent interactive flat panel

TV-S8286K

- *It features a pre-meeting welcome screen that allows users to add background audio, video, and images, and customize the welcome screen theme.
- *It features a quick meeting mode to meet the needs of impromptu meetings, group discussions, brainstorming, and other activities.
- *It features a confidential meeting mode; once a confidential meeting is initiated, meeting materials cannot be downloaded and are automatically destroyed after the meeting. Materials used during the meeting and temporarily cached files are automatically encrypted and cannot be opened after the meeting ends. It also includes an interface watermark that covers the entire meeting to prevent photo and video recording and leakage of meeting information.
- *It features a meeting mode and a simple mode. In the simple mode, only the whiteboard, screen projection, and document presentation functions are retained, and a quick return function to the domestic system is added.
- *It supports two voting modes: QR code voting (with options for anonymous or real-name voting, and supports various customizable options such as single choice, multiple choice, and rating) and intelligent hand-raising voting (automatically counting the number of hands raised on-site using AI visual recognition technology). The system has built-in standardized templates for voting, satisfaction surveys, and more. All voting data is statistically analyzed in real time and automatically generated into visual reports (supporting bar charts and tables), ensuring an efficient and transparent meeting decision-making process.
- *It has a QR code check-in function, allowing participants to check in and view their names immediately during the meeting. After scanning the QR code to check in, the name of the person who checked in is displayed in real time. It also has a multi-person facial recognition check-in function.
- *It features meeting screen recording functionality, supporting 2K and 4K resolution options. It also supports multiple save methods: scan a QR code to take the recording with you, or save it locally, to the meeting, or to a USB drive.
- *It supports multiple screen projection methods, including NFC tap transfer, wireless projection, wired projection, and one-click projection from a projection device; it supports mixed projection display of mobile phones and computers, with up to four screens displayed simultaneously; and it supports reverse operation of computer projection content.
- *Supports screen mirroring from other applications, such as specific browsers or documents; other application messages will not pop up, allowing you to handle other tasks while mirroring, thus protecting your privacy.
- *It supports mixed split-screen, allowing whiteboard, dynamic video, audio, documents, images, annotations and other pages to be displayed simultaneously during the meeting. It can display any split screen in full screen or compare different solutions, and supports 8 split screens.
- *It supports uploading files in advance through the smart meeting management platform and allowing users to view them directly after joining the meeting via the smart meeting tablet; it also supports multiple meeting tablets joining the meeting simultaneously to view files.
- *It supports fast file transfer, allowing users to scan QR codes to upload various file formats, including MP4, MP3, PDF, WORD, XLSX, text, JPG, PNG, etc., which can be viewed and annotated directly.
- *Supports whiteboard writing; supports inserting image materials into the whiteboard; supports multi-point writing; supports various erasing methods such as gesture erasure, swipe to clear the screen, selection eraser, and pixel eraser; features an unlimited canvas and two-finger zoom function; supports multiple whiteboard file saving formats, including PNG, PDF, WORD, and PPT.
- *The whiteboard supports OCR intelligent text and image recognition functions, which can automatically convert handwritten fonts and patterns into standard text and graphics.
- *It supports full-channel annotation functionality and offers multiple annotation saving methods, including scanning a QR code to take away or saving to local storage, meetings, or USB drives.
- *It has a post-meeting document archiving function, and meeting attendance, voting results, and meeting recordings can be saved locally or uploaded to the integrated management platform.
- *It supports long-pressing with five fingers to activate the circular menu bar and allows for quick app opening; it also supports customizable circular menu apps, including tools such as check-in, voting, decision-making, photo taking, signature wall, and calculator.
- *It has an app store where users can download, install, and uninstall apps as needed.

II. Functions of the Product Integrated Management Platform:

- *It features a smart meeting management platform with a B/S architecture, supporting login and control software on operating systems such as Windows, Linux, MacOS, Android, and iOS to meet different on-site needs.
- *The integrated management platform offers multiple account permissions for both regular users and administrators. It features a backend data dashboard that displays the number of meeting rooms, meeting room usage, device online/offline status, and user account information. It can also provide monthly, weekly, and daily statistics on attendees, meeting duration, number of meetings, and daily active users, facilitating statistical analysis and unified management without requiring a separate cloud platform.
- *Administrators have user management privileges, including the ability to invite users to join, edit user names, departments, job titles, and upload photos; administrators can also disable or enable regular users.
- *It features a meeting creation function, allowing users to book meeting rooms and meeting times in advance. After a successful booking, the device's homepage displays a list of meetings for the day in real time. The meeting list shows information such as the host and meeting time. Users can set whether the meeting is encrypted and whether materials can be downloaded. They can also set the retention period for historical meetings, with options for 6 months, 12 months, or permanent. It supports uploading meeting files in advance through a smart meeting management platform and creating polls and scores.



Intelligent interactive flat panel

TV-S8286K

- *It supports web-based login to the management platform, allowing users to view unit meetings and historical meetings. Historical meetings display the meeting name, the person who booked the meeting, the meeting number, the meeting start time, and whether a video was recorded. Users can also view/export pre-meeting check-in and voting results, as well as the recorded meeting video.
- *It has meeting settings functions, which can set whether meeting files are encrypted. If file encryption is enabled, meeting materials cannot be saved to the client's local machine or shared. After the meeting, the materials cannot be viewed locally but can only be viewed and downloaded through the backend.

III. Product Video Conferencing Software Functions:

- *Built-in video conferencing software supports the ITU-T H.323 communication protocol, with a conference rate of 128Kbps~8Mbps; it also supports H.264 Baseline Profile and H.264 High Profile video protocols.
- *Supports high-definition resolution encoding and decoding of 640×480 30fps, 1280×720 30fps, 1920×1080 30fps, 2560×1440 30fps, 3840×2160 30fps, 4000×3000 25fps, and 6000×8000 5fps.
- *It integrates the functions of the address book and call log.
- *It supports common functions such as template switching and chairman control.
- *It supports joining meetings without registration; simply enter the meeting number to join, and you can choose to join in interactive or live meeting mode.
- *It supports one-click instant meetings, allowing users to quickly create a virtual meeting on the MCU and automatically join the meeting. It also allows inviting other participants to join the meeting and supports features such as electronic whiteboard, file sharing, electronic voting, and meeting check-in.
- *It supports scheduling meetings, allowing users to select members, set meeting passwords, chairperson passwords, live streaming passwords, and meeting times. After submission, the MCU will automatically start the meeting according to the meeting time. The meeting supports features such as electronic whiteboard, file sharing, electronic voting, and meeting check-in.
- *It supports switching between live streaming mode and meeting mode, and the meeting mode supports functions such as electronic whiteboard, file sharing, electronic voting, and meeting check-in.
- *The screen layout supports automatic split-screen function, which automatically selects a suitable layout and opens the screen based on the number of participating terminals; it also supports automatic fill function, which allows you to select a fixed screen layout and automatically open the screen in an empty window after a terminal joins the meeting.
- *It supports data conferencing functions such as meeting check-in, electronic whiteboard, electronic voting, and file sharing, meeting the application needs of remote meetings, training, and other scenarios.
- *It supports multi-screen layout, with a single screen supporting the simultaneous display of 25 screens.

Specification

Processor	Domestic CPU, 8 cores, 8 threads, 2.4GHz clock speed (quad-core ARM Cortex-A76 + quad-core ARM Cortex-A55, GPU Mali-G610 MP4, 6TopsNPU)
Processor	Domestic operating system
Memory	8GB
Storage space	128GB
Display type	LCD (Liquid Crystal Display)
LCD panel	IPS
Backlighting method	DLED
Screen size	86-inch (16:9)
Screen size	3840 (H) × 2160 (V)
NTSC color gamut	72%
Color saturation	1.07B (10-bit)
Screen brightness	350CD/m ² (min.) 400CD/m ² (typ.)
Contrast	1200:1 (typ.) 5000:1 (max)
Display frame rate	60Hz
Perspective	178°(H/V)
Input interface	1×LAN; 1×TOUCH; 2×HDMI-IN; 1×DP-IN; 1×VIDEO-IN (front USB-C + reverse control); 1×USB-C (front); 2×USB-A (front); 2×USB-A; 1×LINE-IN; 1×MIC-IN; 1×RS232; 2×IO; 2×RELAY; 1×OPS interface; 1×reset LED hole;
Output interface	1×HDMI-OUT; 1×LINE-OUT;
OPS power supply	DC 18V/5A
Touch sensing technology	Infrared sensing and touch technology
Touch output format	HID Standard
Maximum number of input points	40 points
Response time	8ms (typ.)
Writing style	Optical objects such as fingers and styluses
Writing height	2.0mm



Intelligent interactive flat panel

TV-S8286K

Touch accuracy	The middle 90% touch area is $\pm 1\text{mm}$
Two-point recognition spacing	$\geq 10\text{mm}$
Theoretical number of clicks	Unlimited times
Touch diameter	Single point $\geq 1.6\text{mm}$, multiple points $\geq 2\text{mm}$
Glass specifications	3.2mm tempered glass
writing screen surface hardness	9 H
Glass haze	3%-8%
Visible light transmittance	$\geq 88\%$
Optical depth	20mm
Color temperature (below the source)	Min. 8000K; Type 9500K; Max. 11500K
Interpolation resolution	32768 × 32768
Operating voltage	DC 5V $\pm 5\%$
Touchscreen power	$\leq 2.5\text{W}$
WiFi	WiFi 6 2.4GHz/5GHz
Bluetooth	Bluetooth 5.2
Power supply	100-240V~50/60Hz input
Standard power consumption	$\leq 460\text{W}$ (with OPS)
Standby power consumption	$\leq 0.5\text{W}$
Audio channels	2.0 channel
Maximum audio power	2×20W @ 8Ω
Storage temperature	-10°C~+60°C
Storage humidity	10%~80%RH, non-condensing
Operating temperature	0°C~+40°C
Operating humidity	20%~80%RH, non-condensing
Working altitude	$\leq 5000\text{m}$
Display size	1894mm × 1065mm
Screen dimensions (length × thickness × height)	1961.2mm×110.1mm×1154.9mm
Overall machine dimensions (length × thickness × height)	1961.2mm×110.6mm×1162.2mm
Wall-mounted installation dimensions (length × thickness × height)	1961.2mm × 149.3mm × 1203.1mm (including bracket and camera)
Packaging dimensions (length × thickness × height)	2095mm × 225mm × 1310mm
Thickness	110.6mm
Net weight	75.4kg
Gross weight	90.8kg
Casing color	silver gray
Shell material	Aluminum profiles/sheet metal
Wall mount holes (VESA) 4-M8 screw holes	800mm × 400mm
Service life	50,000 hrs (min.)