Interactive Intelligent Flat Panel

TV-X8175 (Specification TV-X75A)

Description

itc HUB interactive intelligent flat panel focuses on small and medium-sized conference rooms to create a small conference center. The product integrates high-definition display, digital whiteboard , high-quality audio and other functions; equipped with Windows 10 IoT Enterprise Entry system, it meets the needs of conference presentation, writing, interaction, collaboration, sharing, video, data security, etc., covering the entire process of the meeting.

Feature

*The 75-inch DLED LCD screen has a Full HD 4K system icon display and a simple business-style design. The whole body is made of all-aluminum alloy with an aurora purple color. The ultra-narrow bezel design has a screen-to-body ratio of up to 90%, an ultra-thin screen , hidden ports, and a simple and elegant shape .

*Built-in non-independent computer module, all conference functions are run in the computer module, and the computer module uses the genuine and activated Windows 10 IoT operating system.

*The data files are encrypted using the national secret SM2 and SM3 encryption algorithms, and the encryption state is maintained during the transmission process to ensure the security and reliability of data transmission and storage; it complies with national security standards and enhances the overall information security protection capabilities.

*It has 12 pogo pin magnetic interfaces and can be paired with a detachable 48MP HD camera and 8-array microphone module. There is no need for separate wiring, and physical protection can be used to prevent the leakage of meeting information.

*Ultimate audio experience: The product adopts a 2.0-channel design with two sound chambers: 2×20W (mid-high frequency) gap-firing speakers; it has five sound effects options (standard, conference, vocal, music, cinema) to meet the needs of different scenarios.

*It has a Type-C full-function interface that can realize screen projection, reverse control, and audio and video signal transmission functions.

*It has an HDMI loop-out interface, a DP input interface, and supports 4K 60Hz.

*It has 1 RS232, 2 IO, and 2 RELAY IoT central control interfaces, which are convenient for integration and management with other devices, realize intelligent environmental control, and improve user experience and comfort.

*It has a built-in storage battery and supports abnormal power outage protection function. After an abnormal power outage, the internal battery is activated to automatically save meeting data and conference progress, and can continue to be used after power is turned on.

*With 85% NTSC high color gamut, the image display is clear, colorful and saturated, and the details of the picture are truly restored.

*It has a hardware-level blue light protection mechanism with a blue light ratio of less than 25%, which can effectively filter and reduce the radiation of high-energy short-wave blue light, enabling long-term viewing without fatigue and ensuring the health of users' eyes.

*The display uses high-precision touch technology, which can accurately identify touch objects with a diameter of 1.6 mm, ensuring a delicate operating experience.

*The entire screen and screen protection layer adopt zero-adhesion technology to effectively prevent light reflection.

*It is made of advanced anti-glare (AG) tempered glass material, which effectively suppresses ambient light interference and screen reflection, significantly reduces the visual discomfort caused by glare, ensures viewing comfort, and provides a softer visual experience.

*It supports multiple wake-up methods. In the screen-off state, you can wake up the device by picking up a pen, double-clicking the screen, or pressing a button. Picking up a pen to wake up allows you to quickly use the whiteboard and annotation functions.

*It supports the use of a camera and sound pickup module to realize the voice assistant auxiliary function, and supports the operation of major functions through the voice assistant, such as: starting a meeting, ending a meeting, turning off the screen, shutting down the phone, etc.

*The document has a borderless design. When the user opens the document, it automatically enters the document presentation mode, and the document content will be displayed in full screen. During the document presentation, annotations, video playback, split-screen whiteboard, and image materials can be inserted to meet the needs of displaying more document content.

*It has the function of preparing a welcome interface before the meeting, you can add background audio, video, and pictures, and you can customize the welcome interface theme.

*It has a quick meeting mode to meet the needs of temporary meetings, multi-person discussions, brainstorming and other activities.

*It has quick voting and custom voting/scoring functions, and has voting and satisfaction evaluation templates; the voting methods are divided into QR code scanning voting and raising hands voting, and QR code scanning voting can choose anonymous voting and real-name voting, and voting/scoring can have custom options.

*It has the function of scanning code to sign in. You can sign and view it immediately during the meeting. After scanning the code to sign in, the name of the sign-in person will be displayed in real time.

*It has the function of conference screen recording, and supports the selection of 2K and 4K resolutions. It supports multiple ways of saving screen recordings, and can be taken away by scanning the code or saved locally, in the conference room, or in a USB flash drive.

*It supports multiple screen projection methods such as NFC touch transmission, wireless screen projection, wired screen projection, one-click screen projection from a screen projector, etc. It supports mixed screen projection of mobile phones and computers, and supports up to four screens on the same screen; it supports reverse operations on the computer screen projection content.

*Supports application screen projection, for example, specifying browser screen projection, specifying document screen projection; other application messages will not pop up, and other tasks can be processed during the screen projection process to protect privacy.

*It supports mixed split-screen, and can display whiteboard, dynamic video, audio, documents, annotations and other pages at the same time during the meeting. It can display any split-screen in full screen or compare different solutions, and supports 4 split-screens.

*It supports uploading multiple file formats by scanning QR codes during the meeting, including MP4, MP3, PDF, WORD, XLSX, text, JPG, PNG, etc., which can be directly viewed and annotated.

*Supports whiteboard writing; supports inserting image materials into the whiteboard; supports multi-point writing; supports multiple erasing methods such as gesture erasing, sliding to clear the screen, circle eraser, pixel eraser, etc.; has infinite canvas and two-finger zoom function; supports multiple whiteboard file saving formats, and can save in PNG, PDF, WORD, PPT and other formats.

*The whiteboard supports OCR intelligent text recognition and graphic recognition functions, which can automatically convert written fonts and patterns into standard text and graphics.

*It supports full-channel annotation function, and you can choose a variety of annotation saving methods. You can scan the code to take it away or save it locally, in the meeting, or on a USB flash drive.

*Support PPT presentation countdown mode.

*It has the function of archiving files after the meeting. Attendance, voting results, and conference recordings can be saved locally or uploaded to the integrated management platform.

*It has a smart conference management platform that adopts a B/S architecture and supports login control software for operating systems such as Windows, Linux, MacOS, Android, and IOS to meet different on-site needs.

*The comprehensive management platform has multiple account permissions for ordinary users and administrators; the platform has a background data dashboard function, which can view the number of conference rooms, conference room usage, equipment online and offline status and user account status, and can count daily participants, daily meeting duration, daily number of meetings, daily active users, etc. on a monthly, weekly and daily basis, which facilitates statistical analysis and unified management without the need to configure a separate cloud platform.

*It has the function of creating meetings. You can reserve meeting rooms and meeting times in advance. After a successful reservation, the device homepage will display the day's meeting list in real time. The meeting list can view information such as the host and meeting time. You can set whether the meeting is encrypted and whether the data is allowed to be downloaded. You can set the storage time of historical meetings, which can be selected from 6 months, 12 months, or permanent.

*Supports web-based login to the management platform, where you can view unit meetings and historical meetings. Historical meetings display the meeting name, meeting booker, meeting number, meeting start time, and whether the video is recorded. You can view/export pre-meeting sign-in and voting results, and meeting recording videos.

*It has a meeting setting function, which can set whether the meeting files are encrypted. If file encryption is turned on, the meeting materials cannot be saved locally on the client and cannot be shared. After the meeting, the materials cannot be viewed locally and can only be viewed and downloaded through the background .

Specification

Processor	Intel i3 11th generation processor, maximum turbo frequency 4.10GHz
System version	Windows 10 IoT Enterprise Entry
Memory	8GB
Storage space	128GB
Display type	DLED LCD display
Display size	75 inches (16:9)
Screen display size	927.9H ×1649.6V
Physical resolution	3840 (H) × 2160 (V)
Color gamut NTSC	85%
Color	1.07B(10bit)
Screen brightness	350CD/㎡ (min.) 400CD/㎡(typ.)
Contrast	1200:1(typ.) 5000:1 (max)
Anti-blue light	support
Anti-glare	support
Display frame rate	60Hz
Input interface	1×LAN; 1×TOUCH; 1×HDMI-IN; 1×DP-IN; 1×VIDEO-IN (USB-C+reverse control);
	1×LINE-IN; 1×MIC-IN; 4×USB-A ; 1×RS232; 2×IO; 2×RELAY;
Output Interface	1×HDMI-OUT; 1×LINE-OUT;
Touch sensing technology	Infrared sensing touch recognition technology
Touch output form	HID Standard
Maximum number of input points	40 points
Response time	8ms(typ.)
Writing method	Finger, stylus, or other opaque objects
Writing height	2.0mm
Touch accuracy	The middle 90% touch area is ±1mm
Two-point recognition distance	＞20mm
Theoretical clicks	Unlimited
Touch diameter	Single point ≥1.6mm, multiple points ≥2mm
Glass specifications	3.2mm tempered glass
Writing screen surface hardness	9H
Glass haze	3%-8%
Visible light transmittance	≥88%
Color temperature (source)	Min.8000K;Type9500K;Max.11500K
Interpolation resolution	32768 × 32768
Operating voltage	DC 5V±5%
Touch screen power	≤2.5W
WiFi	WiFi62.4GHz/5GHz
Bluetooth	Bluetooth 5.2
Power supply	90-264V~50/60HZ input
Standard power consumption	≤460W
Standby power consumption	＜0.5W
Audio channels	2.0 Channels
Maximum sound power	2×20W @ 6Ω
Storage temperature	-10℃~+60℃
Storage humidity	10%~80%RH, non-condensing
Operating temperature	0℃~+40℃
Operating humidity	20%~80%RH, non-condensing
Operating altitude	≤5000m
Bare metal dimensions (length x thickness x height)	1717.3mm × 88.7mm × 1011.4mm
Packing size (length x thickness x height)	1900mm × 225mm × 1125mm
Display size	1649.6mm × 927.9mm
Thickness	88.7mm
Net weight	58.32kg
Gross weight	69.19kg
Shell color	silver gray
Housing material	Aluminum profile/sheet metal
Wall mounting holes (VESA): 4-M8 screw holes	800mmx400mm
Service life	50,000hrs(min.)
Duration of use	18 hours x 7 days