



Intelligent Conference Flat Panel

TV-X8165



Description

Intelligent Conference Flat Panel is mainly used in small and medium-sized conference rooms scenarios, creating a small conference center. The product integrates high-definition display, digital whiteboard, 4K camera, array microphone, intelligent central control, high-quality audio and other functions; equipped with Windows 10 IoT system, it meets the needs of conference presentation, writing, interaction, collaboration, sharing, video, data security, environmental monitoring and control, and covers the entire process of the meeting.

Feature

- *65-inch DLED LCD screen with 4K ultra-high-definition display and narrow frame design, enabling USB multimedia file playback function.
- *Built-in 12 MP pixel HD camera and 8 array microphone, the pickup distance can reach 10m, with automatic noise reduction, automatic gain, echo cancellation, and sound source localization functions.
- *With 2.1 - channel professional audio, it has 5 scene sound effect options: standard, conference, vocal, music, and cinema.
- *High-precision touch, supporting 1.6mm fine recognition.
- *Supports type-c full-function interface, which can realize screen projection, reverse control, audio and video signal transmission functions.
- *HDMI supports 4K 60Hz loop-through output; DP supports 4K 60Hz input.
- *The entire screen and the screen protection layer use zero-lamination technology to effectively prevent light reflection.
- *It supports anti-glare and uses AG tempered glass to reduce ambient light interference, reduce screen reflections, and reduce glare damage to the eyes.
- *Supports hardware-level blue light protection, filters out harmful high-energy short-wave blue light, and does not cause fatigue when watching for a long time.
- *Supports 85% high color gamut, making images clearer, colors more vivid, and colors more saturated.
- *The camera array microphone is a detachable module with a 12-pogo pin magnetic interface design. It does not require separate wiring and uses physical protection to prevent the possibility of leakage of meeting information.
- *Support a variety of devices to wake up, the idle state can be through the voice, keep watching, double-tap the touch screen, buttons to wake up the device to light up the screen. Wake up with gaze can be customized to set the gaze time.
- *Supports pen-lifting wake-up function; supports pen-lifting quick use of whiteboard and annotation functions.
- *Supports voice assistant function and supports operations of major functions through the voice assistant, such as: starting a meeting, ending a meeting, turning off the screen, turn off the device, etc.
- *Support conference reservation function, and the homepage supports real-time display of the day's meeting list; the meeting list can view information such as the host and meeting time.
- *Support preparation of welcome interface before the meeting, can add background audio, video, pictures, and customize the welcome interface theme.
- *Support quick meetings to meet the needs of temporary meetings, multi-person discussions, brainstorming and other activities.
- *Support confidential meetings, the information in the meeting can not be downloaded, after the meeting information automatically burned; the information used in the meeting process, the temporary cache of files automatically encrypted, the meeting can not be opened after the end of the meeting; with an interface watermark, covering the entire meeting, to prevent the recording of photos and leakage of information about the meeting.



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- *Supports the installation of third-party video conference software to realize remote video conference, and the camera has intelligent framing and speaker tracking functions.
- *NT90-PC01 software is included as standard to meet the needs of current video conference.
- *Support quick voting and advanced voting/scoring. The templates include voting and satisfaction assessment. The voting methods are divided into QR code scanning voting and raising hands voting. QR code scanning voting can choose anonymous voting and real-name voting. Advanced voting/scoring can customize voting options.
- *Support signing in by scanning QR code, you can sign and view it immediately during the meeting, and the name of the person signing in will be displayed in real time after scanning QR code to sign in.
- *Support conference screen recording, supports 2K and 4K resolution selection, supports multiple ways to save screen recordings, and can be taken away by scanning the code or saved locally, in the conference, or on a USB flash drive.
- *Support 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 projected content.
- *Support 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.
- *Support mixed split screens, and can display whiteboards (document-assisted whiteboards), dynamic videos, audio, documents, annotations and other pages at the same time during the meeting. You can display any split screen in full screen or compare different solutions.
- *Support document presentation function. During the document presentation process, you can make annotations, play videos, and have unlimited image overlays to meet the needs of presenting documents with more content.
- *Support 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.; there is an 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.
- *Support 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.
- *Support abnormal power-off protection function. After an abnormal power off, the internal reserve battery can be quickly activated to save meeting materials and meeting progress in time. It can continue to be used after power is restored to ensure the continuity of the meeting.
- *The button logo design, combined with IoT sensing technology, supports real-time monitoring and display of temperature and humidity, and automatically adjusts the brightness according to ambient light.
- *Support centralized control function and can connect to the central control to manage the air conditioners, curtains, microphones and other equipment in the conference room with one click.
- *Support conference management platform that supports web-based login to the management platform; it has multiple roles including ordinary users and administrators.
- *Support the background data dashboard function, which can view the unit's meeting rooms, equipment, user account resources and meeting room usage. It can also provide real-time statistics on daily meeting participants, daily meeting duration, daily number of meetings, daily number of active users, etc., to facilitate statistics and unified management.
- *Support background meeting management functions, and can conduct online management and control of meeting lists, unit meetings, historical meetings, and meeting recordings.
- *Support background meeting settings. You can set whether files are encrypted and whether data is allowed to be downloaded on the meeting management platform. You can set the storage time of historical meetings, which can be selected from 6 months, 12 months, or permanent.
- *Supports backend unit management, and can manage organizational information and unit information.
- *Supports background conference room management, can view equipment usage status, and manage conference room equipment in a unified manner.
- *Full-process management of meetings, automatic recording of the entire process, meeting minutes, quick sharing, traceable, calling conference tablet cameras, and screen sharing.
- *itc HUB Intelligent conference management platform supports web-based login to the management platform; it has multiple roles such as ordinary users, operators, and administrators, and the platform has passed the second-level security certification.



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Specification

Processor	Intel® Core™ i3-1115G4 Processor (6M Cache up to 4.10 GHz 2 Cores 4 Threads)
System version	Windows 10 IoT Enterprise Entry
Memory	8 GB
Storage	128GB
Display type	DLED LCD display
Display size	65 inches (16:9)
Screen display size	1428.5H × 803.5V
Physical resolution	3840 (H) × 2160 (V)
Color gamut NTSC	85 %
Color	1.07B(10bit)
Screen brightness	350CD/m ² (min.) 400CD/m ² (typ.)
Contrast	1200:1(typ.)
Anti-blue light	support
Glare	support
Frame rate	60Hz
Viewing angle	178°(H/V)
Camera Type	Magnetic camera, pluggable, plug and play
Pixel camera	12 MP
Maximum field of view	105°±5°
Horizontal field of view	90°±5°
Lens Focus	auto focus
Angle adjustment	Adjust down 15°
Low illumination	New CMOS image sensor, using noise reduction algorithm to significantly reduce image noise, image noise ratio ≥ 55dB
Drive Standards	UVC/UAC national standard
Camera module dimensions(Length × Thickness × Height)	292 mm ×41 mm ×31 mm
Microphone pickup distance	10m
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 (gen3 10G rate);1*USB-C (gen3 10G speed); 1*RS232; 2*IO; 2*RELAY
Output Interface	1* HDMI -OUT ; 1* LINE - OUT ;
Touch Sensing Technology	Infrared sensing touch recognition technology
Maximum number of input points	40
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	7H
Interpolation resolution	32768 × 32768
Operating Voltage	DC 5V±5%
Power	≤2.5W
WiFi	2.4GHz and 5GHz
Power supply	90-264V~50/60HZ input
Standard power consumption	≤460W
Standby power consumption	< 0.5W
Audio Channels	2.1 channel
Maximum sound power	2* 20W @ 4Ω + 1 * 32W @ 4Ω
Storage temperature	-10°C~+60°C
Storage humidity	10%~80%RH, no-condensation
Operating temperature	0°C~+40°C
Working humidity	20%~80% RH , no-condensation
Operating altitude	≤5000m
Bare metal dimensions (length x thickness x height)	1482.7mm ×102.24mm ×876.6mm
Package size (length x thickness x height)	1660mm × 220mm × 1 010mm



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Display size	1428.5mm × 803.5mm
Thickness	102.24 mm
Net weight	47.1 kg
Gross Weight	58.2kg
Housing color	Aurora Purple
Housing Material	Aluminum profile/sheet metal