



Fully Digital Conference System Host TS-0300GC



Features

- *Adopting domestically developed core chips and components to achieve 100% localization, while supporting the connection and control of domestic operating systems to ensure the information security of various conference scenes such as party committees, governments, military, and enterprises.
- *Adopting high-performance DSP processor, the audio sampling rate is up to 48kHz, and the frequency response can reach 80Hz~16KHz; using Category 5e shielded cable to ensure long-distance reliable transmission of conference information while providing perfect sound quality.
- *Integrating professional DSP processing functions, with intelligent mixing, audio matrix adjustment, automatic gain, feedback suppression, 31-band output graphic equalization (8-band output parametric equalization), 10-band input graphic equalization (5-band input parametric equalization), ducker, crossover, volume adjustment, inversion and other functions.
- *The communication interface includes 3 6-core aviation interfaces, 2 RS-232 interfaces, 1 RS-485 interface, 3 RJ45 network communication interfaces, 1 RJ45 internal debugging interface, and 1 USB2.0 interface; the audio input interface includes 1 LINE IN, and the audio output interface includes 1 LINE OUT and two SPK OUT, each with a rated power of 30W.
- *The device has the function of recording conference speeches; it can record the microphone mix output audio with the conference microphone; it supports recording through the host USB flash drive.
- *The device can set the maximum number of microphone speeches, microphone mode, host volume control, short message broadcast, wireless microphone one-button shutdown and other functions through the client software; it can control the microphone switch, start sign-in, voting, voting, and receive conference service information; it supports switching between four microphone interface languages: Chinese, English, Russian, and French.
- *The system supports 30 wired conference units and 30 wireless conference units. The system supports 24 microphones speaking at the same time, including 16 wired microphones and 8 wireless microphones speaking at the same time; the number of wired microphone speakers can be set to any number between 1 and 16, and the number of wireless microphone speakers can be set to any number between 1 and 8.
- *It has 3 backup mechanisms; it supports the host dual-machine hot standby function, one device can be set as the host and the other as the slave. When the host fails, it can automatically switch to the slave to realize the dual backup function; it supports the ring dual-link function to ensure that the meeting can continue normally when one of the network cables is disconnected or the unit has problems; it supports the T-link backup function. Even if multiple conference units fail in the link, other conference units are not affected, ensuring the normal progress of the meeting.
- *The PC software can view the battery power, WiFi signal and other information status of the online wireless unit; it supports viewing the names of all microphone personnel, unit gain, microphone unit type, microphone number and other information; it supports one-click shutdown of all wireless units.
- *It has a fire alarm linkage trigger interface. After the trigger, the fire alarm information can be synchronized to the microphone interface and the host interface, reminding the venue personnel to evacuate urgently in the first time to ensure the safety of the participants.
- *It has 1 RS-485 interface, supports five cameras to realize camera tracking, and supports PELCO-D and VISCA control protocols. Cooperate with the camera tracking host to achieve multi-channel video automatic tracking function.
- *Multiple microphone management modes: FIFO (first in, first out), NORMAL (normal mode), VOICE (voice control mode), APPLY (application mode), etc.
- *The system has the functions of initiating meeting sign-in, voting, election, rating, satisfaction, custom voting options, etc.
- *It has a 2.0-inch TFT LCD screen and a pulse encoder button, which can realize parameter setting or viewing.



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Conference Host Embedded Software V 3.158

- *It has a USB recording function, which can record and play meeting records.
- *Support AP channel scanning, monitor the use of wireless channels on site, support automatic or manual channel configuration of the best channel, and support online display list of AP names for easy reference.
- *The conference host has a registration day display function, so you can always know the remaining days after registration; it supports two ways: host input registration code for host registration and PC registration.
- *The system is deeply adapted to the voice transcription system, and the systems exchange data through network cables to realize the role-separated voice transcription function.
- *The host is compatible with wired and wireless conference units at the same time, and the two can be used in parallel; cross-domain audio synchronization technology is adopted, and the audio of wired and wireless conference units is seamlessly mixed and output.
- *The front panel has 5 status indicators, which can display the use status of wired and wireless conference units; 3 of them are communication indicators of wired conference speaking units, and the wired conference units are in normal communication and use, which are in flashing state; 1 of them is the communication indicator of wireless conference speaking units, which enters the flashing state when connected to the wireless transceiver for normal use; it is not lit when the device is not connected, and the link use status can be quickly detected; it also has a power indicator, which is convenient for observing the power-on status of the device.
- *Based on the original 2-way input and 3-way output conference matrix technology, it has a built-in 2×3 audio matrix processor. The 2-way input is the host LINE IN input and USB playback, and the 3-way output is the host LINE OUT output, SPK OUT output, and USB recording. The output function is realized by controlling a certain input to a certain output through the matrix.
- *Compatible with C/S architecture, using Zhaoxin processor with Kylin operating system, compatible with Windows7, Windows10, Windows11, Kylin desktop operating system (Zhaoxin version), Kylin desktop operating system (Phytium version), macOS system, Tongxin UOS, Ubuntu desktop operating system.

Specification

Supported operating systems	Windows7, Windows10, Windows11, Kylin desktop operating system (Zhaoxin version), Kylin desktop operating system (Phytium version), macOS system, Tongxin UOS, Ubuntu desktop operating system
Microphone capacity	30 wired microphones; 30 wireless microphones
Frequency response	80HZ~16KHz
Signal-to-noise ratio	>80dB(A)
Dynamic range	>80dB
Total harmonic distortion	<0.05%
Audio input	LINE IN: 1 channel 775mVrms balanced input (Phoenix terminal)
Audio output	LINE OUT: 1 channel 1Vrms balanced output (Phoenix terminal);SPK OUT: 2 channels 8Ω 30W rated power output (Phoenix terminal)
Output load	> 1KΩ
EXTENSION port	1 channel, connected to conference system expansion equipment
WIFI network port	1 channel, connected to wireless AP
PC network port	1 channel, connected to computer
NC port	1 channel, for internal debugging
DELEGATES output interface	3 channels, used to connect wired conference speaking unit
RS-232 interface	2 channels, 1 channel for camera tracking, 1 channel for docking external equipment
RS-485 interface	1 channel for camera tracking (supports access to 5 cameras)
Pulse code potentiometer	Select edit menu
Static power consumption	7W
Output power consumption	320W
Power input range	110-250V AC
Wired microphone connection method	Dedicated aviation cable (6 cores)
Touch screen control	2.0-inch TFT LCD screen
Color	Black
Net weight	2.4Kg
Dimensions (L×W×H)	214×45×241mm
Installation method	Desktop installation, cabinet installation