



Full digital conference system controller

TS-0300GU



Features

- *It adopts domestically developed core chips and components to achieve 100% localization. At the same time, it supports the connection and control of domestic operating systems to ensure the information security of various meeting scenarios such as party committees, governments, military, and enterprises.
- *It uses a high-performance DSP processor with an audio sampling rate of up to 48kHz and a frequency response of 80Hz~16KHz. It uses Category 5e shielded cables to ensure reliable long-distance transmission of conference information while providing perfect sound quality.
- *It integrates professional DSP processing functions, with intelligent mixing, audio matrix adjustment, automatic gain, feedback suppression, 31-band output graphic equalizer (8 -band output parametric equalizer) , 10 -band input graphic equalizer (5-band input parametric equalizer) , 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 RJ 45 internal debugging interface , and 1 USB2.0 interface ; the audio input interface includes 1 LINE IN, 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 when paired with a conference microphone; it supports recording via 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-key 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 4096 wired conference units and 300 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 three backup mechanisms; it supports the host dual-machine hot standby function, where 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 achieve 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 in the link fail, other conference units will not be affected, ensuring the normal progress of the meeting.
- *The PC software can view the battery power, WiFi signal and other information status of online wireless units; support viewing all microphone personnel names, unit gain, microphone unit type, microphone number and other information ; support one-click shutdown of all wireless units.



Full digital conference system controller

TS-0300GU

- *It has a fire alarm linkage trigger interface. After triggering, 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, supports PELCO-D and VISCA control protocols. It can 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 functions such as initiating meeting check-in, voting, election, rating, satisfaction, and customized voting options.
- *It has a 2.0 - inch TFT LCD screen and pulse encoder buttons to enable parameter setting or viewing.
- *Equipped with USB recording function, it can record and play meeting minutes.
- *Supports AP channel scanning, monitors the use of wireless channels on site, supports automatic or manual configuration of the best channel, and supports online display of AP name list for easy reference.
- *The conference host has the function of displaying the number of days registered, so you can know the remaining days after registration at any time; it supports two methods: host registration and PC registration by entering the registration code.
- *The system is deeply adapted to the speech transcription system, and the systems exchange data via network cables to achieve role-separated speech transcription function.
- *The host is compatible with connecting wired and wireless conference units at the same time, and the two can be used in parallel; using cross-domain audio synchronization technology, the audio of wired and wireless conference units is seamlessly mixed and output.
- *The front panel has 5 status indicator lights, which can display the usage status of the wired and wireless conference units; 3 of them are communication indicator lights for the wired conference speaking units, which flash when the wired conference units are communicating normally; 1 of them is a communication indicator light for the wireless conference speaking unit, which flashes when it is connected to a wireless transceiver and is in normal use; it is not lit when no device is connected, and the link usage status can be quickly detected; there is also a power indicator light, which is convenient for observing the power-on status of the device.
- *Based on the original 2-way input, 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 achieved 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 Windows operating system or domestic Kylin desktop operating system (Zhaoxin version) or domestic Kylin desktop operating system (Feitian version) or macOS system or Tongxin UOS or Ubuntu desktop operating system.

Specification

Microphone capacity	4096 wired microphones ; 300 wireless microphones
Frequency response	80 HZ ~16KHz
Signal-to-noise ratio	> 80 dB(A)
Dynamic range	>80dB
THD	<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-way 8Ω 30W rated power output (Phoenix terminal)
Output load	> 1KΩ
E X TENSION port	1 channel, connect conference system expansion device
WIFI port	1-way, connected to wireless AP
PC network port	1 channel, connected to computer
NC port	1 channel, for internal debugging
DELEGATES Output Interface	3-way, used to connect wired conference speaking unit
RS-232 interface	2 channels, 1 channel for camera tracking, 1 channel for connecting to external devices
RS-485 interface	1 channel, for camera tracking (supports access to 5 cameras)
Pulse code potentiometer	Select the Edit menu
Static power consumption	7W
Output power consumption	320W
Power input range	110 -2 50 V AC
Wired microphone connection method	Dedicated aviation line (6 cores)
Touchscreen control	2.0 inch TFT LCD screen
Color	black
Net weight	2.4 Kg
Dimensions (L × W × H)	214×241×45 mm
Installation	Desktop installation, cabinet installation