Conference System Controller

Embedded software: fully digital conference system embedded audio transmission software V2.25

TS-W100

Feature:

* Adopt 128-bit AES encryption technology, support WPA/WPA2 wireless security technology, prevent eavesdropping and unauthorized access, and provide higher confidentiality of the conference system.
* Built-in high-performance dual CPU processor has super processing capability; the core has a 96-bit 50MIPS digital audio DSP processor to support stereo audio ADC and DAC; the controller supports sampling rates in the range of 8KHz to 96KHz, supports digital volume control and adjustable output audio volume, supports equalization and noise cancellation and other processing algorithms. It provides users better sound experience.
* Original digital processing and transmission technology, uncompressed audio transmission with 20Hz~20KHz bandwidth, cat5e cable, long-distance and reliable information transmission, perfect sound quality. With a WIFI network interface, the number of wireless AP can be extended by connecting to a POE network switch to provide greater wireless coverage.
* It supports the simultaneous use of WIFI conference system and full digital conference system. It has large system capacity and 4 conference unit output interfaces. The system supports a maximum of 4096 wired conference units and 300 wireless conference units. The system supports up to 8 wired microphones and 6 wireless microphones opened at the same time.
* Support simultaneous interpretation function, support the transmission of 15+1 wired simultaneous interpretation, and support a maximum of 63+1 wired simultaneous interpretation.
* Four microphone management modes: FIFO/NORMAL/VOICE (voice control)/APPLY.
* It has 1 RS-485 interface, supports camera tracking with one camera, and supports PELCO-D and VISCA control protocols, works with camera tracking controller to achieve multi-channel video automatic tracking function.
* It has 1 fire alarm linkage trigger interface, can provide fire alarm information for the panel touch screen of the conference controller, unit screen, and PC software under the emergency situation.
* It has 1 balanced signal and 1 unbalanced signal input interface, 1 balanced signal and 1 unbalanced signal output interface, and adopts a 3-pin XLR balanced audio line to improve anti-interference ability of the system.
* It has 1 EXTENSION port, which can be used to connect to the extension controller, supports connecting to the central control system controller or camera tracking controller through the RS-232 serial port (COM interface) to realize the linkage of the microphone button commands.
* It has 1 USB interface, supports recording and playing BGM by inserting a U disk.
* 2 amplifier output interfaces, can be connected to a 2×25W constant impedance speaker.
* The PC software can check the battery status of the wireless unit, WIFI signal and other information status. It has the function of turning off all wireless units with one key, supports language switching of Chinese and English.
* Support the voting function, support the real-time data update in the background, the display of voting results in text, histogram, and pie chart, and also the magnified display.
* Support conference sign-in function, support key sign-in, IC card sign-in, etc. can set sign-in time limit, support supplementary sign-in, remote control of sign-in, real-time display of sign-in results in the background, and support magnified display.
* Support the export of conference information, including sign-in information, voting information, personnel information, and general reports, etc.
* Support 5-band EQ adjustment function, can adjust sound effects according to the voice characteristics of different speakers until the perfect effect is achieved.
* The background software can send the message to one or more units, which will be shown on the unit screen to remind the users.
* Support conference service function, the background software can receive service demand from the unit for the background personnel to deal with it.
* Support the speech control of the microphone unit, including functions of speech timer and speech stopwatch.
* Support receiving the prompt of time from the PC management software and sending it to the online conference unit synchronously.

Description:

Using the 5GHz communication frequency band, it has stronger anti-interference ability, provides greater bandwidth and transmission speed, and is not interfered by mobile phones and other Bluetooth devices, ensuring the best signal reception. It is widely used in round table conference rooms, square table conference rooms, multi-functional halls, banquet halls, lecture halls and other places.

Specifications:

Model	TS-W100
Microphone capacity	A maximum of 4096 wired units and 300 wireless units
Number of channels	16CH(default), 32CH, 64CH
Frequency response	20Hz~20KHz
SNR	>85dB(A)
Dynamic range	>80dB
THD	<0.05%
Main power	90~132VAC/180~264VACbyswitch
Audio input	LINE IN1:350mV balanced; LINE IN2:350mV unbalanced
Audio output	LINE OUT1:1V balanced; LINE OUT2:1V unbalanced
Output load	>1KΩ
RJ45 network port	Connected to the computer
USB interface	Record/playback
Amplifier output	2×25W/4Ω
Static power consumption	30W
Output power consumption	320W
Connection method	Special cable (6 pins)
Joint reliability	Reliable
Standard	IEC60914,compatible with GBT15381-94 standard
Working temperature	-10℃~+45℃
Working humidity	5%~80% relative humidity, no condensation
Touch screen	4.3-inch TFT colorful touch screen
Color	Black
Weight	About 3Kg
Size	484*305*88mm
Installation	19-inch standard cabinet