

Conference Host

H0300M



DESCRIPTION:

Heinrich H0300 offers original clock synchronization and transmission technology with an audio delay of less than 5ms and uncompressed recording rates of 48K. With STP and CAT5E, conference information is transmitted long-distance and reliably while maintaining superior sound quality. A high-performance DSP processor is built into the device. Audio matrix, howling suppression, EQ, volume, delay, and other functions are included.

FEATURE:

- Original clock synchronization and transmission technology, audio delay of less than 5ms, sampling rate 48K uncompressed audio transmission. The use of STP, CAT5E ensures long-distance and reliable transmission of conference information while providing perfect sound quality.
- Built-in high-performance DSP processor. With audio matrix, howling suppression, EQ, volume, delay and other adjustment functions.
- The audio input interface includes 1 RCA, 1 XLR, and 2 Phoenix terminals. The audio output interface includes 1 RCA, 1 XLR, and 16 Phoenix terminals.
- It supports 16-channel output function, and it can be flexibly configured as role separation output mode, simultaneous interpretation output mode, and phase control output mode. Each output channel can adjust EQ, volume, delay and other parameters.
- The 16-channel role separation output mode enables the wired or wireless unit to output independently according to the ID number, which can be used by recording or voice transcription equipment and the number of output channels can be extended by external equipment.
- The 16-channel simultaneous interpretation output mode allows interpretation audio to be output independently according to the channel number, which can be used by recording or monitoring equipment and the number of output channels can be extended by external equipment.
- 16-channel phase-controlled output mode; based on the original conference matrix technology, it can achieve 16-channel grouping output function with built-in nx16 audio matrix processor. Any input source (including all input sources and online microphones) can be output to any channel according to any volume ratio.
- Adopt 128-bit AES encryption technology, support WPA/WPA2 wireless security technology. prevent eavesdropping and unauthorized access, provide higher confidentiality of the conference system.

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- Support of 8 chairman unit per controller.
- The conference host adopts TCP/IP network protocol. It supports C/S, B/S architecture at the same time, which can be controlled by PC software or browser.
- Control audio matrix parameters through WEB (including EQ, volume, delay, microphone sensitivity, etc.) 16-channel output mode switching, switching microphone synchronization, four languages switching between English, Russian and French, and control role separation from host.
- Large system capacity, the system supports up to 4096 wired conference units and 300 wireless conference units. The maximum number of speeches in the system is 8 wired microphones and 6 wireless microphones.
- The ring-shaped hand-in-hand function can be realized to ensure that the meeting can work normally when one of the network cables is disconnected or the unit has a problem.
- The WIFI network interface has a POE power supply function, which can directly connect to wireless AP; it can also extend the number of wireless AP by connecting to a POE network switch to provide a larger wireless coverage.
- Support for arbitrary switching of English, Russian and French languages.
- We can check the battery power, WiFi signal and other information status of the online wireless unit by PC software; Support one key to turn off all/one wireless Unit(s).
- Support simultaneous interpretation function, the system can simultaneously transmit up to 63+1 channels.
- With a fire alarm linkage trigger interface, it can provide fire alarm information and remind the venue personnel to evacuate urgently for safety.
- Support PELCO-D, VISCA camera control protocol, and it can work with high-definition camera tracking host to realize automatic camera tracking.
- Four microphone management modes: FIFO (first in first out), NORMAL (normal mode), VOICE (voice control mode), APPLY (application mode).
- The system has functions such as initiating conference sign-in, voting, election, rating, satisfaction, and customization.
- It has a 4.3-inch full-color touch screen, which can set or view parameters and perform any touch operation.
- Powerful ID editing function, which can edit ID for wired unit, wireless unit, interpreter unit, and role separation from host.
- With USB recording function, it can record and play meeting records.
- Support integration with paperless systems to realize the unified lifting function of paperless lifting microphones.
- Support 10-segment EQ adjustment function, 16 multi-function output channels and 2 LINEOUT output channels have 10-segment EQ adjustment function.

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SPECIFICATIONS:

Model	H0300M
Microphone Capacity	Wired microphone ≤ 4096 ; wireless microphone ≤ 300
Frequency Response	40~20KHz
Snr	$>78\text{dB(A)}$
Dynamic Range	$>80\text{dB}$
Thd	$<0.05\%$
Main Power	100-120VAC/200-240VAC by switch
Audio Input	LINEIN1: 775mVrms balanced; 2 output Phoenix terminal: 775mVrms Balanced; LINEIN2: 775mVrms unbalanced
Audio Output	LINEOUT1: 1Vrms balanced; 16 multi-function output Phoenix terminal: 1Vrms balanced; LINEOUT2: 1Vrms unbalanced
Output Load	$>1\text{K}\Omega$
Extension Port	Connect conference system extension equipment
DANTE/NC port	Connect to external devices with DANTE protocol
WIFI network port	Connect to wireless AP
PC network port	Connect to the computer
Static power	30W
Output power consumption	320W
Standard	IEC-60914
Touch screen control	4.3 inch full color touch screen
Simultaneous interpretation channel	63+1 channel
Wired microphone Connection method	Special cable (6 cores)
Colour	Black
Net weight	5.6KG
Dimension (LxWxH)	484x303x88mm
Installation method	19 inch standard cabinet

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.