



Prestel CS-CU5

Digital Dual-Mode Conference Controller



SPECIFICATION

1、Product profile

1.1Product picture



2、Product specifications and parameters

2.1 Functional parameter

1. Adopt high-performance FPGA, dual MCU processor, large-capacity FLASH and DDR memory to realize full digital signal transmission and processing, in line with IEC60065 international standards;
2. Adopt 5G full digital frequency hopping (DSSS) modulation communication technology, which can coexist with WiFi and has super anti-interference;
3. It has functions such as conference discussion, conference sign-in, video tracking, service call, short message, table card display, voting, simultaneous interpretation, etc.;
4. Adopt high-quality aluminum alloy embedded glass panel, equipped with 5.0" TFT high-definition touch screen, can complete system settings without computer, convenient installation Installation, debugging and management;
5. Equipped with 8-way unit output interface, supports ring connection to form 4 loops, uses RJ45 network interface, and a single host supports connecting 120 units;
6. Through expansion, the capacity of the wired system is 76,800 units and the capacity of the wireless system is 4,096 units;
7. With five conference modes: first-in-first-out, application for speech, voice control start, press and hold to speak, and free discussion;
8. Equipped with 1 3.5mm voice monitoring interface and five mode indicator lights;

9. The number of speakers can be set to 1-32, and the wired free discussion mode can be opened without restriction;
10. Support 32 KHz and 48KHz uncompressed audio transmission sampling rate selection, frequency response is 20Hz-20KHz, audio delay is less than 5ms, and shielded cables of Category 5e or above can be used to ensure long-distance reliable transmission of conference information while providing perfect sound quality;
11. Built-in high-performance DSP processor, with audio matrix, howling suppression, noise control, automatic gain, feedback elimination, echo cancellation, 10-band parametric equalization and 31-band graphic equalization, volume, delay and other adjustment functions;
12. The audio input interface includes 2 Phoenix port interfaces and 1 XLR interface, and the audio output interface includes 1 XLR interface , 16-channel Phoenix port; 16-channel Phoenix port supports 16-channel audio output function, which can be flexibly configured as role separation output mode, simultaneous transmission output mode, phase control output mode, and each output channel can adjust EQ, volume, delay and other parameters;
13. With 16-channel role separation output mode, conference microphones can be output independently according to ID numbers, support 256-channel conference microphone independent audio output, and support independent recording of each unit through recording software, or voice transcription equipment docking to achieve role separation;
14. With 16-channel simultaneous interpretation output mode, simultaneous interpretation audio can be output independently according to channel number Output, can be used for recording or monitoring equipment, and the number of output channels can be expanded to 64 channels through external devices;
15. With 16-channel phased output mode, based on DDOV conference matrix technology, built-in nx16 audio matrix processor, realize 16-channel group output function, can make any input source (including all input sources and online conference microphones) output to any channel at any volume ratio;
16. Use TCP/IP network protocol, and support C/S, B/S architecture at the same time, can be controlled by PC software or browser;
17. Control sign-in/voting, call through Web or PC software service, lifting control, audio matrix parameters (including EQ, volume, delay, microphone sensitivity, etc.), 16-channel output mode

switching, switch microphone synchronous speech management, five language switching of Chinese, English, Russian, French and Spanish, control role separation host;

18. Can connect 240 chairman microphones at the same time, the chairman microphone has priority function, and can also shut down other representatives who are speaking;

19. With dual-machine hot backup function, when the conference Controller is abnormal, the backup host automatically takes over;

20. Built-in RTC clock and perpetual calendar, can dynamically display date, week and time, host Automatically synchronize time to the unit upon startup;

21. Supports customized conference service function, with the function of receiving conference requests from technicians, secretaries, tea, paper, pens, waiters, coffee, towels, mineral water, etc. ;

22. The conference host has the functions of data addition, modification, conference control, delivery control and conference notification;

23. According to the actual layout of the venue, the layout can be customized and uploaded to form an intuitive, graphical and controllable interface, allowing the microphone to be freely dragged and placed, so that people can take seats;

24. The personnel information of the meeting can be customized, which can be imported manually or by document, and can be Download the personnel information of the changed meeting;

25. With system monitoring function, it can monitor the battery percentage display, signal strength display, sign-in and voting information display and service request display of all conference microphones in the system;

26. It can set DSP, voice switching, volume adjustment, customize startup page and upload electronic table cards for conference microphones online;

27. Support software centralized control function, which can turn off all microphones in the system with one click, support control of indoor environment equipment in the conference room, such as lights, power supplies, screens and other equipment switches, and one-click call of conference mode;

28. Support camera tracking function, support RS-232/422/485 standard control mode, supports PELCO-D, PELCO-P, SONY and other protocols;

29. Supports connection of 8 high-definition cameras, can be connected to high-definition matrix

to achieve automatic switching of video signals, and has screen freezing function;

30. Conference sign-in can be controlled in the venue layout display. The signed-in seats are red, and the unsigned seats are gray. You can make up for the unsigned personnel. After selecting, click to make up for the sign-in and the color will change;

31. With voting/voting/evaluation functions, the results can be displayed simultaneously on the conference microphone touch screen and the conference room screen;

32. The conference microphone can be used for conference notification according to the needs of the venue, and different services correspond to different notifications;

33. The sensitivity of the conference microphone can be customized to 0-15 levels, the voice control off time is 0-15S, the speaking time is 0-240min, and the prompt time before the end is 0-60S;

34. Support U disk recording module, the sampling rate can be adjusted 32kbps, 64kbps, 96kbps, 128kbps, can record all audio content in the meeting;

35. With simultaneous interpretation function, with 16 different languages, supporting up to 64 languages;

36. With 2 network ports that can be used to connect to the expansion host and infrared language distribution host;

37. With 1 POE network port, supports WPA/WPA2 wireless security technology, can connect to 5G wireless AP;

38. Support web page control function, can be set and adjusted through browser access Meeting management, personnel management, speech settings, system settings and other functions;

39. Support fire alarm linkage trigger interface, provide alarm information, video conference, background music or other auxiliary sound source input;

40. With super anti-interference ability, it can effectively isolate mobile phones, radio waves, Bluetooth, WiFi and other signal interference;

41. Support Chinese, English, Russian, French, Spanish menu display, and can customize the menu language according to needs;

42. The system has the function of restoring factory settings, and supports one-key reset to factory state to prevent parameter adjustment;

3、Product presentation

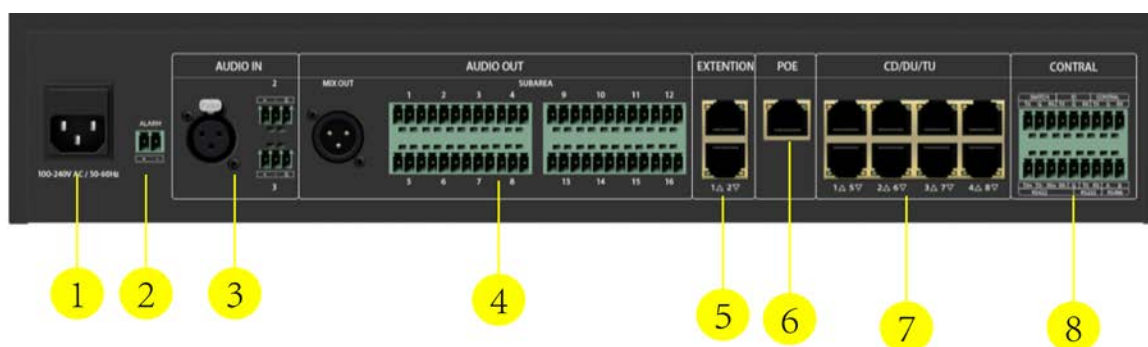
3.1 Product interface introduction

Font panel



1. Display screen: 5.0 " TFT HD touch screen;
2. Conference mode indicator light OPEN / OVERRIDE / VOICE / APPLY / PTT five modes;
3. Record recording switch to start or stop the audio recording of the entire conference system;
USB interface, insert U disk for recording, status indicator flashing indicates that recording is being made;
4. Headphone listening interface (3.5mm) for listening;
5. Main engine power supply switch;

Back panel



1. Host power interface and switch button
2. Fire alarm signal interface
3. Analog audio input interface (13-core XLR balanced input interface, 23-core Phoenix terminal balance / non-balance interface), support external audio input;
4. Analog audio output interface: 13-core XLR balanced output interface, 163-core Phoenix terminal balance / non-balance interface);
5. LINK interface, used to connect the AP routing box, expansion host, infrared language

distribution host;

6. POE extension interface for equipment expansion;

7. The conference unit is connected with the entrance * 8 to connect the conference unit, translation unit and wireless encryption access point;

8. CAMERA interface with RS232 / RS485 / RS422 control interface to connect the camera from left to right:

SWITCH Interface for connecting the camera tracking host, matrix switch or central control host for camera tracking video-switching control (3-core Phoenix terminal interface);

ID interface, used for connecting to the voice transfer system;

RS232 Connect the computer or central control equipment to control the meeting host (3-core Phoenix terminal interface);

9. ETHERNET interface for accessing network exchange settings such as computer and switch;

RJ 45 port: the host and the computer use the TCP / IP protocol to connect the computer through the Ethernet interface, so as to conduct remote control;

USB port: used to connect the computer to achieve conference software control, upgrade;