

D7201

Dante Digital Conference System Host



Description

D72 series conference host integrates advanced management and control functions such as automatic camera tracking, 4.3" true color touch screen control, and intuitive graphical interface display, leading the conference system devices to a more perfect design trend. The conference host can supply power to the conference mic with good scalability, and is the core device of the conference system.

D72 series digital conference host supports check-in, voting, camera tracking, automatic detection and data management functions, with a variety of conference modes (support FIFO, NORMAL, FREE, VOICE, APPLY modes). It features seamless integration with Dante products and hybrid video matrix of our company, strong scalability and extensive application. A set of system can be connected to a maximum of 4096 conference mics, of which multiple chairman speech mics can be arbitrarily connected, and 2 mics can be designated as mics with chairman control permission. Any type of mic can be set on the host as a VIP mic. The system can detect the status of the microphone, speakers, buttons, LED indicators and display screen of the mic manually or automatically. The host has a built-in DSP digital sound processor, which can set multiple equalization modes, and select the corresponding equalization mode according to different conference occasions. It has audio input / output interface and alarm signal overridden function, and can expand more broadcasting functions; has the function of limited number of speakers and the timing speech setting function, which can effectively maintain the order of the venue; has 6 HDMI camera interfaces, which can directly connect the camera to achieve conference camera tracking; has hot backup function for multiple functions, which can be quickly restored. In short, the conference host has powerful functions, high integration, simple system architecture, safe and convenient wiring, visualized operation, and Chinese and English subtitle display options. It is an ideal choice for conference sound reinforcement system of the high-end conference.

Features

- With hot backup function.
- A set of conference system can be connected to a maximum of 4096 conference mics.

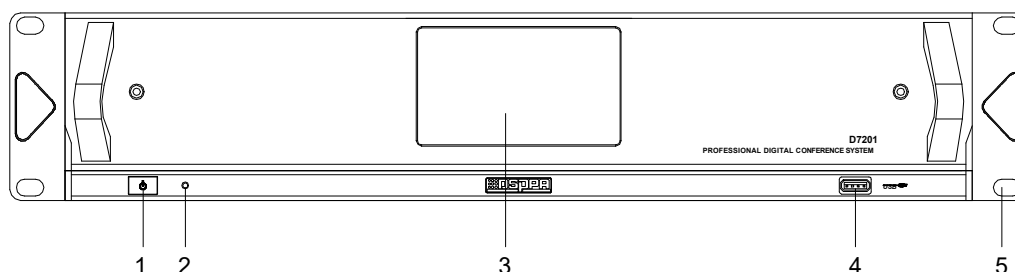
- The distributed conference system adopts Dante protocol, and provides a solution of no compression, no loss, no latency, 48kHz audio sampling frequency and easy installation.
 - With setting function of limited number of simultaneous speakers (1/2/3/4/5/6).
 - With 4.3" TFT true color screen / touch screen:
1. With graphical interface design, all functional items, setting information and basic information of the mic under working condition are clear at a glance, beautiful and fashionable;
 2. Touch screen control mode; make human-computer interaction extremely user-friendly.
- Can set a VIP delegate speech mic. The VIP mic can be turned on freely without being limited by the conference mode when the total number of microphones that have been turned on is less than 6, and a maximum of 32 VIP mics can be set.
 - Support five conference modes: FIFO, NORMAL, VOICE, FREE, APPLY, and support a maximum of 6 simultaneous speaking mics.
 - Built-in DSP digital sound processor, including low cut and equalizer.
 - Can record throughout the entire conference, with two recording modes: automatic recording and manual recording.
 - With mic detection function and two detection methods: automatic detection and manual detection.
 - With timing speech and countdown function. The timing speech function can not only set the speaking time of the mic, but turn off the timing speech, that is, no limit for the speaking time.
 - Equipped with a one-click shutdown function for all wireless units, it allows modification of the WiFi wireless system server IP address and the UHF band wireless transmission frequency.
 - The host integrates a camera tracking system with 6 HDMI camera interfaces, which can realize automatic camera tracking function.
 - With a RS232 serial port to achieve seamless connection with the central control system; a RS422 serial port to connect the camera control cable to achieve centralized control of the camera.
 - With 4 100M +48V power supply RJ45 network interfaces for Dante audio transmission protocol and +48V network power supply to connected conference mics; Units can be linked hand-in-hand in a circular manner.
 - With 2 100M RJ45 interfaces with TCP/IP network protocol, which can be connected to the network to control all functions of the system by the PC software.
 - RCA:
1. Two auxiliary audio input interfaces, which can be connected to players, etc .;
 2. Two auxiliary audio output interfaces, which can be connected to professional amplifiers;
 3. Two alarm audio input interfaces, which can be connected to alarm audio signals from the fire control center.
- XLR: It is an auxiliary audio output interface, which can be connected to two RCA auxiliary audio output interfaces (LINE OUT) in parallel for output and connection to professional amplifiers.
 - With a +5V alarm trigger voltage input interface, combined with the alarm audio input interface to achieve emergency alarm overridden function.

- With all-metal material for the case, both the circuit and the case strengthen the connection to the ground wire, with anti-static ability of contact type 4kV and air type 8kV.
- High-end appearance design, 2U standard case, which can be installed in a 19-inch standard cabinet.

Specifications

Model	D7201
LINE IN	250±50mV
ALARM IN	250±50mV
LINE OUT	1000±100 mV
BALANCE OUT	2000±100 mV
Frequency Response	30Hz-20kHz (±3dB)
SNR	≥80dB
Harmonic Distortion	≤0.5%
Maximum Output Power	90W, 4-channel network PoE+48V power supply
Static Power	≤30W
Power Supply	AC 220V/50Hz/350W
Package Dimension (L×W×H)	525×480×185mm
Machine Dimension (L×W×H)	483×385×88 mm
Gross Weight	7.8kg
Net Weight	6.3kg

Front / Rear Panel



(1) Power.

- The power is turned on when the switch button is pressed, and the power is turned off when the button pops up.

(2) Power LED.

- When the power switch is turned on, the indicator light is on; when the power switch is turned off, the indicator light is not on.

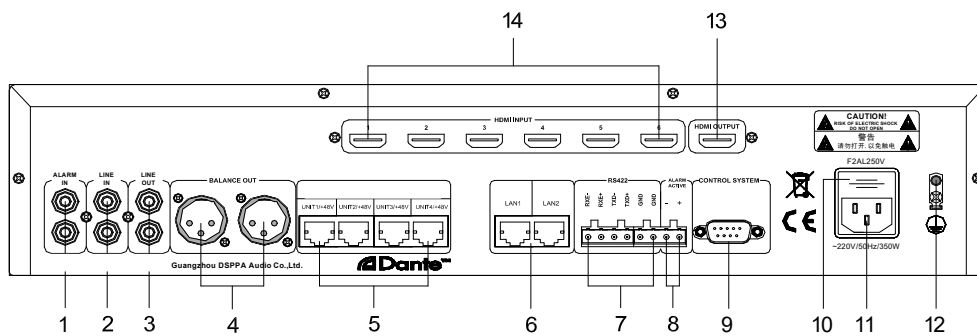
(3) 4.3" LCD Touch Screen.

- Display all function item icons and the operation process menu; Touch the screen to set up operations.

(4) USB.

- Used for connecting a USB flash drive during recording;
- Capable of connecting a USB interface mouse for operation.

(5) Installed on the Cabinet for Fixing Screw Holes



(1) Alarm Audio Input Interface (ALARM IN).

- Connect the alarm audio signal from the fire center and link it with the alarm trigger signal referred to in item 8.

(2) Line Audio Signal Input Interface (LINE IN).

- Connect the audio source device or mixing console to provide line audio signals to this device.

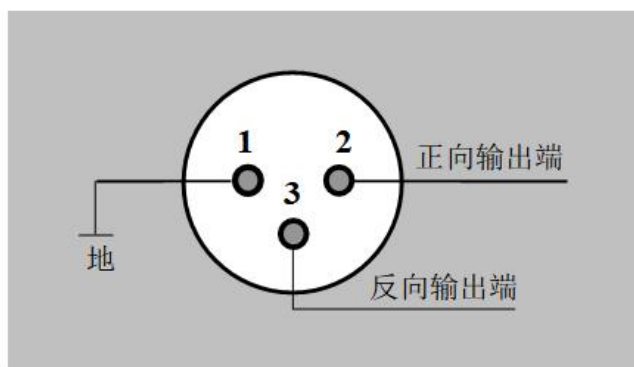
(3) Audio Signal Mix Output (LINE OUT).

- Connect the power amplifier, which includes line audio signals, alarm signals, and microphone signals.

(4) Audio Signal Mix Output (XLR OUT).

- The interface is connected in parallel with the output interface of item ③ (LINE OUT) for balanced output sockets.

The signals of the three pins are shown in the following figure:



3 Lines XLR

1. Earth
2. Forward Output
3. Reverse Output

(5) 100M +48V Power Supply RJ45 Network Interface.

- Port transmission rate: 100Mbps;
- Maximum output voltage power is 90W;
- Dante audio transmission protocol, +48V network power supply;
- Used to connect the conference units of this system.

(6) 100M RJ45 Network Interface.

Port transmission rate: 100Mbps;

Accessing WIFI wireless network using a tablet to achieve wireless meeting control.

(7) Camera Control Interface (RS422).

Control signals used to connect cameras, with cameras connected in a daisy-chain manner via control lines.

(8) Fire Alarm Linkage Trigger Interface (ALARM ACTIVE).

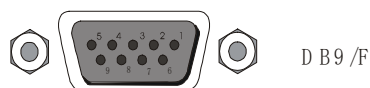
Trigger an alarm linkage by applying +5V voltage, causing the display on all conference unit screens to show "Alarm", and all conference unit microphones to be turned off.

When this interface is disconnected from the +5V voltage, the system will automatically return to the working state before the alarm.

(9) Central Control Interface (CONTROL SYSTEM).

Used to connect to the intelligent central control system to achieve centralized meeting control functions such as the far-infrared conference system.

The RS-232 serial communication port is a 9-pin female connector (DB9/F), and the interface definition is as shown in the following figure:



Position	1	2	3	4
Description	N/U	TXD	RXD	N/U
5	6	7	8	9
GND	N/U	N/U	N/U	N/U

(10) Power Fuse Holder.

F2AL250V power fuse holder;

If the fuse is blown, please replace it with a fuse of the same specification;

If the fuse continues to blow, it indicates a device failure, please troubleshoot the device before replacing the fuse;

(11) Power Input Interface.

AC220V/50Hz/350W power input interface

(12) Ground Connector.

Used to connect the digital conference system host to the earth, to prevent equipment leakage or static electricity causing electric shock to personnel or damage to equipment.

(13) HD Video Output Interface.

Connect the projector and other video equipment to output the video content from the camera to the large screen.

(14) 6 HD Camera Connection Ports.

An interface connects to a camera;

The six cameras connected to this machine must be of the same model (it is recommended to use the company's D6283II camera in conjunction);

Connected using coaxial cables.

System Diagram

