

D7101

Full Digital conference system controller



Description

The D71 series conference host integrates automatic camera tracking, 4.3-inch true-color touch screen handling, intuitive graphical display, and other advanced management and control features, leading the conference system equipment to a more perfect design path. The conference host, providing power to the conference unit, has good scalability and is the core equipment of the conference system.

Features

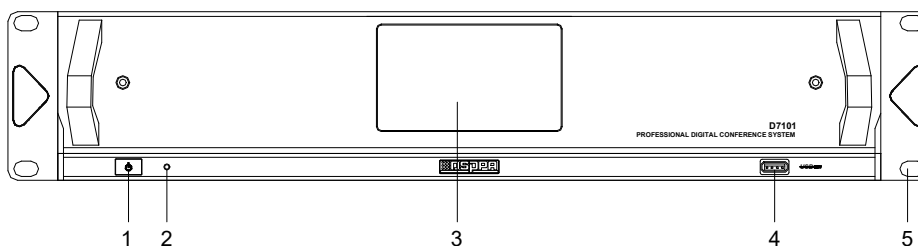
- Sensitivity: -26dBFS
- Hot Backup function.
- A single conference system can connect with up to 4096 conference units.
- As a distributed conference system with Network Transmission protocol, it provides uncompressed, high-sound-quality and easy-to-install solution.
- The simultaneous limit of speakers (1/2/3/4/5/6) setting.
- 4.3" TFT true color screen/touch screen:
- The graphical interface design provides a clear view of all functions and settings, as well as basic information about the unit's operation, and the design is beautiful and stylish;
- Touch screen handling; Machine-human interaction makes it extremely user-friendly.
- You can set the VIP delegate unit, which can be opened freely without limitation of conference mode if the total number of working microphones is less than 6, and the 32 VIP units can be set at most.
- Supporting such five conference modes as first-in-first-out, normal, voice-control, free, application modes. Up to 6 units can be on simultaneously.
- Built-in DSP digital sound processor, including low frequency cuts and equalizers.
- You can record a full Conference, either automatically or manually.
- It has a unit detection function, automatic and manual.
- Featuring timing and speech countdown reminder function. The timed speech feature can set the time of speech for the unit or turn off it, i.e free of restriction.
- Featuring turning off all wireless units by one-touch, you can modify the UHF segment radio transmit frequency.
- The host computer has an integrated camera tracking system and 6 HDMI camera interfaces for automatic camera tracking.

- Featuring an RS232 serial port for seamless connection to the central control system and an RS422 serial port for centralized control of the camera with a camera control cable.
- Four 100-megabit+48V powered RJ45 network interfaces provide network transmission protocol and +48V network power to the connected conference units; the units can be linked with a loop handle.
- Two TCP/IP network protocol 100-Gigabit RJ45 interfaces that connect to the network and control the full functionality of the system through PC-side software.
- RCA:
- Two auxiliary audio input connectors to connect player devices, etc.
- Two auxiliary audio output connectors for professional amplifiers;
- Two alarm audio inputs to connect alarm audio signals from the fire center.
- XLR: An auxiliary audio output connector, connected in parallel to two auxiliary audio output lotus sockets (line out), for professional amplifiers.
- The +5V alarm trigger voltage input interface is used in conjunction with the alarm audio input for emergency alarm barge.
- The enclosure is all-metal in design, the line and enclosure enhance the connection to the earth line, and have an anti-static capacity of 4kV contact and 8kV air.
- With high-end appearance, 2U standard chassis that can be mounted in a 19-inch standard cabinet.

Specifications

Model	D7101
Line input voltage	250 ± 50mV
Alarm input voltage	250 ± 50mV
Line output voltage	1000 ± 100mV
Balance output voltage	2000 ± 100mV
Frequency response:	30Hz-20kHz (±3dB)
Signal-to-noise ratio	≥ 80dB
Harmonic distortion	≤ 0.5%
Maximum Output power	90W, 4-channel network PoE+48V power supply
Static power consumption	≤ 30W
UHF Frequency	632 MHz---695 MHz
Power switch	AC220V/50Hz/350W
Package size(L x W x H)	525×480×185mm
Machine dimensions(L x W x H)	483×385×88mm
Gross weight	7.8kg
Net weight	6.3kg

Front / Rear Panel



1. Switch

- Press down the “switch” button to turn on the power, and press again to turn it off.

2. Power Supply LED

- The indicator lights up when the power switch is turned on and does not light when the power switch is turned off.

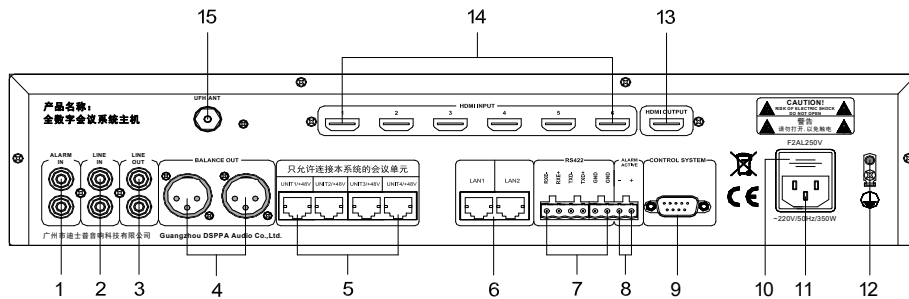
3. 4.3" LCD Touch Screen

- A menu showing all function item icons and procedures; touch the screen for operation.

4. USB interface (USB)

- Used to connect a USB flash drive during recording;
- A mouse connected to the USB interface can be operated.

5. Mounting Screw Holes for Mounting in the Cabinet



1. Alarm audio input connector (ALARM IN)

- Connecting the alarm audio signal from the fire center and coordinating with the alarm trigger signal referred to in item 8.

2. Line Audio Signal Input Interface (LINE IN)

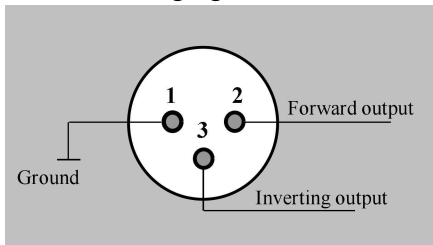
- Connecting with an audio source device or a mixer device to provide line audio signals for the device.

3. Audio Signal Mixer Output (LINE OUT)

- Connecting with the amplifier, which includes line audio and alarm signals, as well as microphone signals.

4. Audio Signal Mixed Output (XLR balanced Output Socket)

- The connector is in parallel with the line out (line out) output connector, which is a balanced output socket. The signal from the three feet is shown in the following figure:



3-PIN XLR Male Plug

5. 100M+48V power supply RJ45 network interface

- Port transfer rate: 100Mbps;
- Maximum Output voltage power is 90W;
- Network Transmission Protocol, +48V network

power supply;

- The conference unit used to connect to the system.

A 100-megabit RJ45 network interface

- Port transfer rate: 100Mbps;
- Connecting to WIFI wireless network, achieving wireless Conference control with a tablet.

7. Camera Control Interface (RS422)

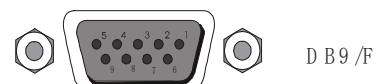
- Used to connect the control signals of the cameras, with the control wires are connected in the hand-in-hand manner among cameras.

8. Fire alarm linkage trigger interface (ALARM ACTIVE)

- Applying +5V voltage triggers the alarm linkage, all conference units display "alarm" on the screen, and all conference unit microphones are 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)

- It is used to connect an intelligent central control system, realizing centralized conference control functions such as far-infrared Conference system.
- The RS-232 serial communication port is a 9-pin female (DB9/F) connector defined as follows:



Feet 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 of This machine

- F2AL250V power fuse holder;
- If the fuse is blown, replace it with a fuse of the same specification;
- Continuous blow indicates equipment failure, please screen the problem before replacing the fuse;
- Refer to page 20 for instructions on replacing fuses.

11. Power Input Connector

- AC220V/50Hz/350W power input connector.

12. Ground connector

- Used to connect the digital conference system host computer with the earth to prevent electrical leakage or static electricity from the equipment causing electrical shock or equipment damage.

13. HDMI Video Output Interface

- Connecting to a video device such as a projector to output the video stored in the camera to a large screen.

14. 6 HD Camera Connectors

- One connector connects to one camera;
- The six cameras connected to the machine must be the same (it is recommended to use the D6283II camera with the company);
- Using a coaxial cable for connection.

13. UHF Segment Antenna Input Connector

System Diagram

