

NAJA S301-CU & NAJA S302-CU

Wire & Wireless Integrated Digital Conference System - Integrated Terminal



Product Features

- ✧ Wired and wireless integration,the host coordinates and manages the speech of wired and wireless units;
- ✧ In wireless mode,the 600Mhz frequency band digital communication technology is used to effectively avoid Bluetooth and WIFI interference, and the wireless signal coverage range can be greater than 80 meters;
- ✧ The host can be wired to the wireless gateway (AP) of the conference system to expand the wireless access range;
- ✧ Automatic frequency hopping technology:there is no need to configure the frequency for the terminal. In wireless mode,the system monitors 20 frequencies in real time, and the unit hops to the optimal frequency each time it speaks;
- ✧ The wireless subsystem has audio clock synchronization transmission technology with a delay of less than 4ms;
- ✧ The wireless gateway supports up to 999 wireless speaking units;
- ✧ The wired subsystem audio uses uncompressed audio transmission to ensure audio quality;
- ✧ The wired subsystem supports loop link backup and host backup mechanism;
- ✧ Each subsystem audio is independently output, and the volume can be controlled separately;
- ✧ Supports 4~8 units speaking at the same time, and the two subsystems are uniformly configured;
- ✧ 4 inputs for the wired subsystem, each of which can connect up to 32 units, and supports a maximum of 128 units;
- ✧ Based on the iMeetingPlat™ technology platform, it brings a new user experience. Meeting status and configuration are clear at a glance;
- ✧ First-in-first-out/quantity limit;
- ✧ Date, time, day of week settings/volume and brightness settings/language settings/unit numbering/wireless environmental scanning/Visca, Peleco-D, Peleco-P camera protocols/voting/sign-in;
- ✧ Chairman, VIP, attendee three roles, software defined;

Integrated terminal

- ✧ Support wired/wireless mode, automatic switching. When the cable is inserted, it is wired mode; unplug the cable and automatically switch to wireless mode;
- ✧ Support 6-core jack +RJ45 jack switching at the same time, and can use 6-core cable or network cable,with a transmission distance of up to 150 meters;
- ✧ Support ring hand-in-hand function;
- ✧ With hot plug protection and short circuit protection function;
- ✧ Sampling frequency 48KHz,frequency response 20Hz-20kHz, achieving CD-level sound quality;
- ✧ 2.8-inch display, flat UI design, easy to operate;
- ✧ "Hybrid technology": built-in 18650 rechargeable lithium battery + external AA battery, adaptive switching.

Specification

Wired Subsystem

Items	Parameters
S/N	>88dB
Dynamic Range	88dB
T.H.D	<0.1% (@1KHz)
Frequency Response	50~16KHz
Frequency Response Attenuation	<1dB (20Hz~20KHz)
Latency	<1ms
Master Gain Control	15 x 1dB and off (mute)
Transmission Medium	High-speed 6-core digital cable /Category 6 network cable
Harmonic Distortion	<0.5%
Connector	6 Cores DIN*5

Ports	RJ45*1/UPDATE*1/RS485*1/RS232*1
Input Channel	4x6P DIN
Output Impedance	470Ω

Wireless Subsystem

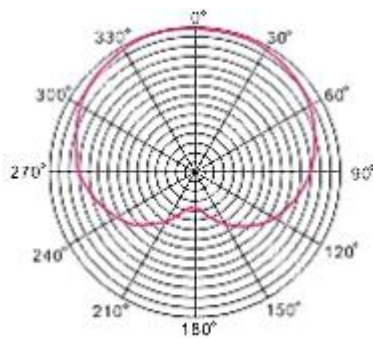
Items	Parameters
Mode	Voice: Digital Communication; Control: Digital Communication
Modulation	Voice: PI/4 DQPSK; Control: GFSK
Carrier freq. band	668MHz~698MHz
Bandwidth	30MHz
S/N	>96dB
T.H.D	<0.2% (@1KHz)
Frequency Response	30~18KHz
Frequency Response Attenuation	<2dB (20Hz~20KHz)
Latency	<4ms
Antenna Mechanism	Antenna Diversity
Antenna	600MHz Antenna*2+2.4GHz Antenna*1

Acoustic

Items	Parameters
Type	Capacitor Microphone Core

Sensitivity	-30±2dB(f=1KHZ,S.P.L=1Pa 0dB=1V/Pa)
Freq.Response	70Hz~16kHz
Operating Voltage	1.0V-5.0V
MAXS.P.L	105dB(F=1KHz, THD < 5%)
S/N	70dB(S:f=1KHz,S.P.L=1Pa; N:A-Weighted curve)

Directivity



Electrical & Physical

Items	Parameters
Screen	2.8 inch TFT Color capacitive touch screen
Resolution	320x240
Power Supply	Wired mode:Powered by cable Wireless mode:Powered by built-in 18650 battery or external AA battery (*3), automatically switched.(Hybrid power technology)
Endurance	>6h@Speaking/>16h@Standby
Power Consumption	Standalone 10W, Maximum 350W with Load
Power connector	220V 3-hole AC connector
Weight	Base: 1200g Gooseneck pole: 240g

	<p>Straight pole: 400g</p> <p>(Different models and pole may have differences.)</p>
Size	<p>Base: 400mm*150mm*90mm</p> <p>Gooseneck pole: L=420mm;R=45mm</p> <p>Straight pole: 400mm*40mm*35mm</p>
Material	Cast iron + engineering plastics
Temperature	Working: 0 to 45°C; Storage and transportation:-20 ~ 55°C