

IP/SIP CEILING SPEAKER

IP BASED PA SYSTEM



DESCRIPTION

The NVS-IP100017SP is a SIP-compliant, multicast-capable PoE speaker designed for public address and alerting systems. It supports standard protocols (SIP, RTP, HTTP) for easy VoIP integration and offers a user-friendly web interface for configuration. Key features include automatic volume control, real-time fault detection, and scheduled task playback from a central server. Ideal for commercial and industrial applications.

FEATURES

- ⦿ Industrial-grade dual-core (ARM + DSP) CPU for fast processing
- ⦿ Supports G.722 (wideband) and G.711 A/u-law (narrowband) codecs
- ⦿ Receives SIP paging via 10 multicast IP addresses
- ⦿ Multicast reduces SIP resource usage and improves scalability
- ⦿ Fully SIP 2.0 compliant; integrates with Asterisk, Cisco, Yeastar, etc
- ⦿ Supports BGM, emergency paging, and alarms via NORDEN system
- ⦿ Dynamic volume control based on ambient noise (AGC)
- ⦿ PoE / PoE+ (IEEE 802.3af/at) for flexible installation
- ⦿ Remote web-based management and online firmware upgrades

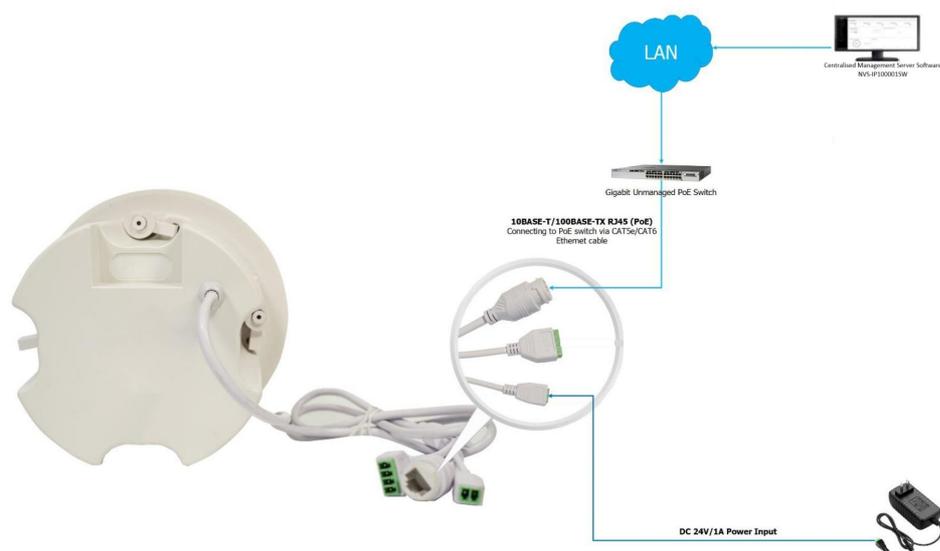
Specifications	
Model	NVS-IP100017SP
Power Supply	24V/1A, PoE (IEEE 802.3af), PoE+ (IEEE802.3at)
Standby Power Consumption	≤3W
Rated Power Output	20W (at DC 24V/1A powered) 20W (at PoE+ powered) 15W(at PoE Powered)
Audio codec	G.711A-law, G.711μ-law, G.722
Sensitivity (1W, 1m)	88dB±3dB
Maximum SPL (1m)	97dB±3dB
Signal to Noise ratio	≥80dB
Audio Sampling & Bit Rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
Frequency response	100Hz~18KHz
Network Interface	10BASE-T/100BASE-TX RJ45
Network Protocols	SIP (RFC3261),FTP,HTTP,TCP/IP,UDP,ARP,ICMP,IGMP

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Configuration Method	Web Interface or DevConfig Tool
Mounting Method	Ceiling Mount
Installation Environment	Dry Indoor Locations Only
Operating Temperature	-20°C~+50°C (4°F~122°F)
Operating Humidity	10%~90% RH (Non-Condensing)
Driver Size	5 Inch Coaxial
Body Material	ABS Composite Plastic
Grille material	Steel
Body Colour	Off white
Product Dimensions	Ø213 x 165 mm
Product Weight	1.4kg

CONNECTION DIAGRAM



NVS-IP100017SP

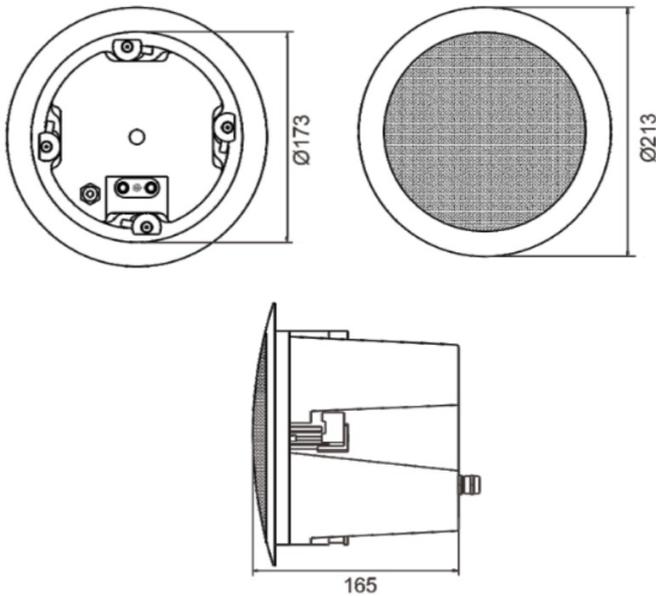
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Input Connection



- ① **Network Port:** To connect with Ethernet switch.
- ② **Reserved Port**
- ③ **Power Port:** To connect with power supply.

DIMENSION



ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100017SP	IP/SIP CEILING SPEAKER	01

ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01