Datasheet

PAS-NOCS120 | High-Performance Network Outdoor Column Speaker 120 Watt



Key features

- IPX5-rated all-metal enclosure with vertical mount for outdoor durability.
- SIP-compatible with RJ45 Ethernet for PBX integration and cross-network access.
- Ambient noise detection with auto volume adjustment and remote server control.
- Built-in mic & Speaker for one-touch, full-duplex intercom and hands-free paging.
- Offline scheduling via built-in flash/clock with FTP task import for autonomous playback.
- Web-based setup with remote firmware upgrades and loop detection for monitoring.

Product Overview

The Macsys PAS-NOCS120 is a 120W IP Outdoor Column Speaker that integrates network audio decoding, digital amplification, and a loudspeaker in one unit for simplified installation. Its IPX5 all-metal enclosure ensures durability in parks, campuses, plazas, and other outdoor environments.

The speaker supports SIP protocol with a 10/100 RJ45 interface for seamless PBX integration and remote access. Key functions include offline scheduling, ambient noise-based volume control, loop detection, and remote web/firmware management. It delivers 200Hz–18kHz frequency response, ≥80dB S/N ratio, and 90dB sensitivity for clear, powerful sound.

With a built-in microphone for full-duplex intercom and broadcasting, and vertical surface-mount design for reliable all-weather use, the PAS-NOCS120 provides robust, high-quality audio and emergency communication in demanding outdoor conditions.

Technical Specification

Feature	Details
Product	High-Performance Network Outdoor Column Speaker 120 Watt
Enclosure rating	IPX5
Use cases	Public address, music streaming, pre-recorded message broadcast, scheduled announcements
Typical environments	Park, Playground, outdoor plaza
Intercom function	One-touch call for full-duplex intercom, pre-set via server
Hands-free hardware	Built-in microphone and speaker for calling and broadcasting
Audio decoding	MP2, MP3, PCM, ADPCM
Sampling and bit rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
Signal-to-noise ratio	≥80dB
Frequency response	200Hz-18KHz
Sensitivity	93dB/M/W
Network interface	10BASE-T/100BASE-TX RJ45
Supported protocols	TCP/IP, UDP, ARP, ICMP, IGMP
SIP interoperability	Standard SIP; integrates with mainstream SIP PBX systems
Volume control	Ambient noise detection with automatic volume adjustment; remote volume via server
Offline playback	Built-in flash and clock; scheduled tasks playable when offline
Monitoring	Built-in loop detection for remote monitoring and maintenance
Configuration	Web interface; remote firmware upgrades
Power supply	AC220V/50Hz
Power consumption (variant set)	≤150W (Power Output: 120W)
Operating temperature	-20°C~+55°C (-4°F~+131°F)
Operating humidity	10%-90% RH non-condensing
Mounting	Surface-mounted; vertical installation only
Shell color/material	White & Aluminium Alloy
Grille color/material	White & Steel
Grille finish	Powder Spraying
Bracket material	Steel
Dimensions	227x125x1110mm
Weight	13.55kg

Feature	Details
Standard accessories	Quick Installation Guide; Power Adaptor (DC24V/2.75A); Rectangular metal piece; 2× L-type installation frame; 2× Nut & Spring washers; Waterproof tail wire connector
Certifications	CE, RoHS Compliance.

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