SUNELL

SN-PA1H01-M-30-SS

30W Explosion-Proof IP Horn Speaker

Overview

The SIP Horn Speaker is an industrial-grade explosion-proof horn speaker designed for hazardous environments, compliant with ATEX and IECEx standards. Built with robust SUS316L stainless steel and IP67-rated housing, it ensures reliable performance under extreme conditions. Supporting multiple power inputs including PoE++, and equipped with SIP protocol for VoIP integration, it is ideal for industrial sites requiring high-volume audio alerts and public address functionality.

Key Feature

- ATEX & IECEx certified explosion-proof design
- SUS316L stainless steel housing, IP67 rated
- 107 dB high sound pressure output
- Multi-power input: AC/DC/PoE++ supported
- Supports SIP & VoIP systems with 2 SIP accounts
- Audio codecs: OPUS, MP3, G.722, G.711
- Network: SIP, ONVIF, RTSP, RTP, HTTP, FTP, etc.
- Optional 6KV surge & lightning protection
- Built-in Mic, 1ch audio input, 1ch alarm input

Specification

Audio	
Codec	OPUS (48 kHz), MP3 (44.1 kHz), G.722 ADPCM (16 kHz), G.711 PCMU (8 kHz), G.711 PCMA (8 kHz)
Audio Input	1 channel audio input

Speaker	
Max SPL	107 dB
Output Impedance	8Ω
Amplifier Description	Built-in 30W Amplifier

Network	
Security	Password protection, IP filtering, Digest authentication, user access log, built-in firewall
Network Protocol	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP
Network Interface	10/100 Base-TX, RJ45
VoIP	SIP protocol compatible, PBX integration Supports 2 SIP accounts, SIP direct IP call, RTP multicast Codec: Codecs: OPUS, MP3, G.722, PCMU, PCMA

Microphone	
Built-in Mic	Supported

Alarm	
Alarm Input	1ch, When receiving a switch alarm, it can play a ringtone or a custom sound.

General	
Power Supply Options	AC100V–240V 50/60Hz AC24V 50/60Hz DC24V DC12V PoE++ (DC48V)
Operating Current	≤4A
Power Consumption	≤40W (Total input including external load via power module; excludes passive terminal consumption)
Operating Temperature	-40°C to +60°C
Operating humility	<95% RH (at 25°C)
Surge Protection (Optional)	6000V TVS surge, lightning, and spike protection Complies with GB/T 17626.5 Level 4
Power Input	100–240V AC, 50/60Hz
Power Output	100–240V AC, 50/60Hz, or 24V AC, 50/60Hz, or 24V DC, or 48V DC
Material	SUS316L Stainless Steel
Ingress Protection	IP67

Cable Glands	1 × M25 × 1.5 and 1 × M20 × 1.5
Atmospheric Pressure	80–110 kPa
Electrical Connection	Integrated cable
Dimensions	330.5 mm (L) × 219.2 mm (W) × 259.6 mm (H)
Net Weight	8.95 kg (excluding packaging)
Languages	English
Mounting Method	Wall mount or base mount

Dimensions (mm)