



SH30

Network Horn Speaker

ZYCOO SH30 is a SIP enabled horn speaker which provides exceptionally clear and intelligible voice for SIP paging, notification/tone broadcasting and streamed background music. It is suitable to be deployed in outdoor and other open spaces for public notifications and public safety purposes.

Applicable Scenarios



Schools



Industrial
Facilities



Plazas



Train/Bus Stations



Warehouses



Playgrounds



Manufacture
Facilities



Stadiums



Sports
Stadiums



Parks



Scenic Areas



Warehouses

Features

- Built-in 30W amplifier, 400Hz to 8KHz frequency range and 117dB max sound pressure level, the audibility and intelligibility of voice paging are guaranteed even in noisy and large spaces.
- With IP65 protection rating and well thermal durability. SH30 is suitable for outdoor installation and operations, even in extreme outdoor environments.
- ZYCOO IP Audio Center auto provisioning support, large-scale installations (local or remote) will be extremely easy and time-saving.
- Built-in SIP support, can be integrated with ZYCOO IP Audio Center or third-party SIP server, SIP paging using wideband G.722 codec which provides crystal clear HD voice.
- Music playback through ZYCOO IP Audio Center using streamed media. HD MP3 audio files supported for superior quality of background music.
- Standard PoE (IEEE 802.3at) support, simple and easy installation with a single network cable. External power supply can be used if required.
- SH30 supports three lines SIP accounts, in which users may register the endpoint in more than one system for achieving different functionality purposes.

Specifications

Speaker

Speaker component:	2"midrange driver unit
Sensitivity:	105dB/1m/1W
Max sound pressure level:	117dB
Amplifier:	Built-in 30W Class D Amplifier
Rated power:	DC: 8Ω 30W or PoE: 8Ω 18W
Frequency range:	400Hz – 8KHz
Coverage Pattern:	50°H 50°V, effective distance 70m
Acoustics:	Mono

Audio

Audio codecs:	G.722, G.711 A-law, G.711 U-law, Opus
Audio streaming:	MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, mono or Stereo

Network

Interface:	RJ45 10BASE-T/100BASE-TX PoE
Protocols:	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH

Administration

Configuration:	Web interface or auto provisioning server.
Provisioning method:	MQTT IoT Protocol

Mechanical Properties

Memory:	128MB RAM, 256MB Flash
Power input:	PoE IEEE802.3at/DC24V2A
Casing:	Surface-treated 1060 aluminium
IP Rating:	IP65
Color:	Grey
Weight:	2.68KG (5.9lb)
Dimension:	Ø276.07 x 276.6 mm (10.87 x 10.89 in)
Mounting method:	Wall/pole mounted
Key:	Press and hold for 3 seconds to announce IP address; Press and hold for 10 seconds to reset device to factory defaults.

Environmental

Installation environment:	Outdoor
Operating temperature:	-40°C - 70°C (-40°F - 158°F)
Storage temperature:	-40°C - 70°C (-40°F - 158°F)
Humidity:	10% - 95% RH Non-condensing

Approvals

Approvals:	EN 55032:2015, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 62368-1:2014+A11:2017, FCC Part 15B Class A
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