ZYCOO
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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.

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, G.729
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:	Ø270 x 260 mm (8.1 x 7.8 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℃ - 70℃ (-40℉ - 158℉)
Storage temperature:	-40℃ - 70℃ (-40℉ - 158℉)
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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