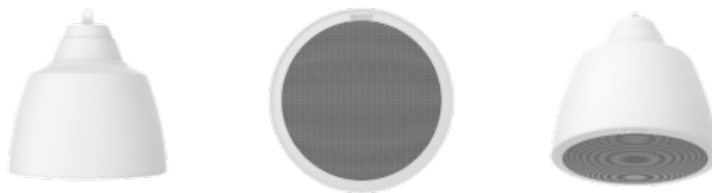# SPA-P100

IP Pendant Speaker

Key Features

- Amplifier: Built in 10W Class D
- Power: PoE(IEEE 802.3 af type 1 Class 3) , PoE+(IEEE 802.3 at type 2 Class 4)
- Internal memory: 1 GBytes
- Frequency Range (-10dB): 130Hz~20kHz
- Sensitivity (1Watt): 91dB
- Supported Protocols: IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
- TTS: English(US, UK), German, French, Spanish, Russian

![Hanwha Vision]

SPA-P100

IP Pendant Speaker

Specifications

Product

Type	IP Pendant Speaker

Amplifier

Description	Built in 10W Class D

Network

Ethernet	10/100 Base-T

Memory

Internal Memory	1 GBytes
External Memory (Micro SD)	SDHC upto 32GB (SANDISK)

Contact

Contact Input. Dry contact	One channel
Contact Output. Dry contact (NO)	One channel

General

Operating Temperature	-20 ~ +50℃ (-4°F ~ +122°F)
Operating Humidity	10~85% RH (Non-Condensing)
Weight	2.1Kg
Size	Φ269*256(H)mm
Color	Black/White
Certificate	EMC : FCC Part 15 Subpart B, ICES-003 Safety : UL 62368-1, CAN/CSA 62368-1

Power

PoE	PoE (IEEE 802.3 af type 1 Class 3)
PoE+	PoE+(IEEE 802.3 at type 2 Class 4)

Embedded MIC

Input Sensitivity	Sound Level Meter
Frequency Response	Sound Level Meter

Audio

Supported Audio Format	WAV, MP3 in mono/stereo from 64 kbps to 320 kbps. Sampling rate from 16 kHz up to 48 kHz

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

Speaker

Speaker Component	2Way 8" LF Drive & 2" HF Driver. Passive type
Max. Sound Pressure Level (PoE : 3.7 Watt)	97dB
Max. Sound Pressure Level (PoE+ : 10 Watt)	101dB
Frequency Range (-10dB)	130Hz~20kHz
Sensitivity (1Watt)	91dB
Coverage Pattern	(HxV) : 130°(1kHz) / 60°(4kHz)

Network Protocol

Security	Password protection : admin,setup,user,guest (sha-2, Digest authentication, User access log) Digest authentication, User access log
Supported Protocols	IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP

System Integration

API (Application Programming Interface)	SUNAPI
Multi-source Dynamic PA control	Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 20 Zone Control (Unicast) Up to 255 Groups
VoIP	Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Asterisk Tested with SIP client such as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC2833) Supported codecs: PCMU, PCMA, speex/8000, speex/16000
TTS	English(US, UK), German, French, Spanish, Russian
Audio Monitoring	Speaker test by graphic level meter (Built in test tool)
Event & Preset	Virtual Contact, Dry contact
Functional Monitoring	Connection verification, Built-in system logging