



# SPA-H100B

IP Horn Speaker



## Key Features

- 124dB Max. Sound Pressure Level
- Built in 10W Class D Amplifier
- 111dB Sensitivity
- 650Hz ~ 5.3kHz Frequency Response
- Two-way audio
- Scheduler function
- Background Music (BGM)
- Text To Speech (TTS)
- Frequency Range 650Hz-5.3kHz
- 1GB Internal Storage
- Built-in Relay
- SUNAPI, SIP, & P2P-SIP protocols
- IP66 rated weatherproof design for indoor and outdoor use
- PoE, PoE+ power support
- Black Color

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## Specifications

|                                  |                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Product</b>                   |                                                                                                            |
| IP Audio Type                    | IP Horn Speaker                                                                                            |
| <b>Amplifier</b>                 |                                                                                                            |
| Description                      | Built in 10W Class D                                                                                       |
| <b>Network</b>                   |                                                                                                            |
| Ethernet                         | 10/100 Base-T                                                                                              |
| <b>Memory</b>                    |                                                                                                            |
| Internal Memory                  | 1 GBytes                                                                                                   |
| <b>Contact</b>                   |                                                                                                            |
| Contact Input. Dry contact       | One Channel                                                                                                |
| Contact Output. Dry contact (NO) | One channel                                                                                                |
| <b>General</b>                   |                                                                                                            |
| Operating Temperature            | -40°C~+55°C(-40°F~+131°F) (Cold start : -35°C/-31°F)                                                       |
| Operating Humidity               | 10~85%RH(Non-Condensing)                                                                                   |
| IP Code                          | IP66                                                                                                       |
| Weight                           | 3.7Kg (8.16lb)                                                                                             |
| Size                             | 241(W) x 155(H) x 307(D)mm                                                                                 |
| Color                            | Black                                                                                                      |
| Certificate                      | EMC : KS C 9832/9835,EN 55.32/55035,FCC Part 15 Subpart B,ICES-003,<br>Safety : UL 62368-1,CAN/CSA 62368-1 |
| <b>Power</b>                     |                                                                                                            |
| PoE                              | PoE (IEEE 802.3 af type 1 Class 3)                                                                         |
| PoE+                             | (IEEE 802.3 at type 2 Class 4)                                                                             |
| Power                            | N/A                                                                                                        |
| <b>Embedded MIC</b>              |                                                                                                            |
| Input Sensitivity                | Sound Level Meter                                                                                          |
| Frequency Response               | Sound Level Meter                                                                                          |

## Audio

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

## Speaker

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| <b>Speaker Component</b>                | 1" HF Driver. Dome type                        |
| <b>Max. Sound Pressure Level (PoE)</b>  | 121 dB                                         |
| <b>Max. Sound Pressure Level (PoE+)</b> | 124 dB                                         |
| <b>Frequency Range (-10 dB)</b>         | 650 Hz ~ 5.3 kHz                               |
| <b>Sensitivity (1 Watt)</b>             | 111 dB                                         |
| <b>Coverage Pattern</b>                 | (HxV) : 130° X 160° (1 kHz) / 30° X 50°(1 kHz) |

## Network Protocol

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

## System Integration

|                                          |                                                                                                                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application Programming Interface</b> | SUNAPI(HTTP API), ONVIF Profile S                                                                                                                                                                                  |
| <b>Multi-source Dynamic PA control</b>   | Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) (Up to 15 audio channels can be broadcast simultaneously), Up to 256 Zone Control (Multicast), Up to 20 Zone Control (Unicast), Up to 255 Groups         |
| <b>VoIP</b>                              | Tested with SIP clients such as Grandstream,Yealink,Cisco,MicroSIP softphone and PBX supplier such as Asterisk,<br>Supported SIP features : DTMF (RFC2833),<br>Supported codecs : PCMU,PCMA,speex/8000,speex/16000 |
| <b>TTS</b>                               | English (US, UK), German, French, Spanish, Russian                                                                                                                                                                 |
| <b>Audio Monitoring</b>                  | Speaker test by graphic level meter (Built in test tool)                                                                                                                                                           |
| <b>Event &amp; Preset</b>                | Virtual Contact, Dry contact                                                                                                                                                                                       |
| <b>Functional Monitoring</b>             | Connection verification, Built-in system logging                                                                                                                                                                   |

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## CAD

Unit: mm [inch]

