



# SPA-W100B

## IP Wall Speaker



### Key Features

- Output Level: +6dBV  $\pm$  3dB
- Frequency Response: 20Hz ~ 20kHz
- 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
- Max. Sound Pressure Level: 101dB
- Frequency Range (-10dB): 120Hz~20kHz
- Sensitivity (1Watt): 90dB
- IP Code: IP54
- Supported Protocol: IPv4, HTTP, HTTPS, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP, SNMP(v3)
- TTS: English(US, UK), German, French, Spanish, Russian
- Audio Monitoring: Speaker, Connection test

# SPA-W100B

IP Wall Speaker



## Specifications

### Product

|               |                 |
|---------------|-----------------|
| IP Audio Type | IP Wall Speaker |
|---------------|-----------------|

### Line Output

|                              |                    |
|------------------------------|--------------------|
| Output Level                 | +6 dBV $\pm$ 3 dB  |
| Frequency Response           | 20Hz~20kHz         |
| THD + N Ratio (AES17LPF)     | Less than 0.1%     |
| S/N Ratio (20kHz LPF, A-WTD) | Greater than 91 dB |

### Amplifier

|             |                      |
|-------------|----------------------|
| Description | Built in 10W Class D |
|-------------|----------------------|

### Network

|          |               |
|----------|---------------|
| Ethernet | 10/100 Base-T |
|----------|---------------|

### Memory

|                           |                          |
|---------------------------|--------------------------|
| Internal Memory           | 1 GBytes                 |
| External Memory (Micr SD) | SDHC upto 32GB (SANDISK) |

### Contact

|                                  |             |
|----------------------------------|-------------|
| Contact Input. Dry contact       | One Channel |
| Contact Output. Dry contact (NO) | One channel |

### General

|                       |                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature | -20°~+50°C(-4°F~+122°F)                                                                                                    |
| Operating Humidity    | 10~85%RH(Non-Condensing)                                                                                                   |
| IP Code               | IP54                                                                                                                       |
| Weight                | 2.5Kg (5.5lb)                                                                                                              |
| Size                  | 170(W) x 250(H) x 134(D)mm                                                                                                 |
| Color                 | Black                                                                                                                      |
| Certificate           | EMC : KS C 9832/9835, EN 55.32/55035, FCC Part 15 Subpart B, ICES-003,<br>Safety : KC 62368-1, UL 62368-1, CAN/CSA 62368-1 |

### Power

|     |                                    |
|-----|------------------------------------|
| PoE | PoE (IEEE 802.3 af type 1 Class 3) |
|-----|------------------------------------|

## Power

|       |                                |
|-------|--------------------------------|
| PoE+  | (IEEE 802.3 at type 2 Class 4) |
| Power | N/A                            |

## Audio

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

## Speaker

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| Speaker Component                | 2 Way 5" LF Drive & 0.5" HF Driver. Passive type |
| Max. Sound Pressure Level (PoE)  | 97 dB                                            |
| Max. Sound Pressure Level (PoE+) | 101 dB                                           |
| Frequency Range (-10 dB)         | 120 Hz~20 kHz                                    |
| Sensitivity (1 Watt)             | 91 dB                                            |
| Coverage Pattern                 | (HxV) : 180° X 120° (1 kHz) / 120° X 70°(4 kHz)  |

## Network Protocol

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

## System Integration

|                                   |                                                                                                                                                                                                                    |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Programming Interface | SUNAPI(HTTP API), ONVIF Profile S                                                                                                                                                                                  |
| Multi-source Dynamic PA control   | 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 255 Groups                                          |
| VoIP                              | 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 |
| TTS                               | English (US, UK), German, 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                                                                                                                                                                   |

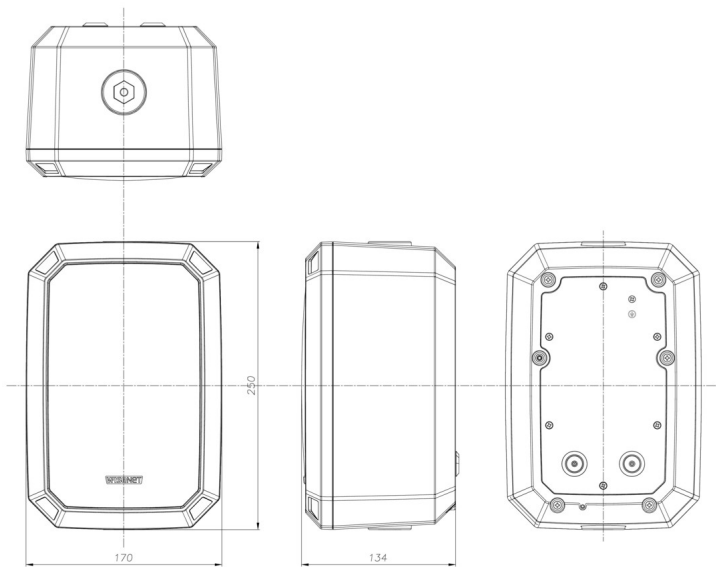
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IP Wall Speaker



## CAD

Unit: mm [inch]



|                                                                                                                                |            |          |
|--------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| 3                                                                                                                              | MODEL2     |          |
| 2                                                                                                                              | MODEL1     |          |
| 1                                                                                                                              | SPA-S1000  | '22.7.15 |
| No.                                                                                                                            | MODEL NAME | DATE     |
| Unit: mm[inch] SCALE: 1/1  Hanwha Techwin |            |          |

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