



# 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: 99dB
- Frequency Range (-10dB): 120Hz~20kHz
- Sensitivity (1Watt): 90dB
- IP Code: IP45
- Supported Protocol: IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
- TTS: English(US, UK), German, French, Spanish, Russian
- Audio Monitoring: Speaker, Connection test

# SPA-W100B

IP Wall Speaker



## Specifications

|                                  |   |
|----------------------------------|---|
| <b>Product</b>                   |   |
| Type                             | IP Wall speaker   |
| <b>Line Output</b>               |   |
| Output Level                     | +6dBV ± 3dB   |
| Frequency Response               | 20Hz ~ 20kHz  |
| THD + N Ratio (AES17 LPF)        | Less than 0.1%  |
| S/N Ratio (20kHz LPF, A-WTD)     | Greater than 91dB   |
| <b>Amplifier</b>                 |   |
| Description                      | Built in 10W Class D  |
| <b>Network</b>                   |   |
| Ethernet                         | 10/100 Base-T   |
| <b>Memory</b>                    |   |
| Internal Memory                  | 1 GBytes  |
| External Memory (Micro SD)       | SDHC upto 32GB (SANDISK)  |
| <b>Contact</b>                   |   |
| Contact Input. Dry contact       | One channel   |
| Contact Output. Dry contact (NO) | One channel   |
| <b>General</b>                   |   |
| Operating Temperature            | -20 ~ +50°C (-4°F ~ +122°F)   |
| Operating Humidity               | 10~85% RH (Non-Condensing)  |
| IP code                          | IP54  |
| Weight                           | 2.5Kg   |
| Size                             | 170(W)*250(H)*134(D)mm  |
| Color                            | Black/White   |
| Certificate                      | EMC : KS C 9832/9835, EN 55032/55035, FCC Part 15 Subpart B, ICES-003<br>Safety : KC 62368-1, UL 62368-1, CAN/CSA 62368-1 |
| <b>Power</b>                     |   |
| PoE                              | PoE (IEEE 802.3 af type 1 Class 3)  |
| PoE+                             | PoE+(IEEE 802.3 at type 2 Class 4)  |
| <b>Embedded MIC</b>              |   |
| Input Sensitivity                | Sound Level Meter   |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com)

Hanwha Vision is formerly known as Hanwha Techwin.

**Frequency Response**
**Sound Level Meter**
**Audio**

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

**Speaker**

|                   |   |
|-------------------|---|
| Speaker Component | 2Way 5" LF Drive & 0.5" HF Driver. Passive type |
|-------------------|---|

|                                 |      |
|---------------------------------|------|
| Max. Sound Pressure Level (PoE) | 97dB |
|---------------------------------|------|

|                                  |       |
|----------------------------------|-------|
| Max. Sound Pressure Level (PoE+) | 101dB |
|----------------------------------|-------|

|                         |             |
|-------------------------|-------------|
| Frequency Range (-10dB) | 120Hz~20kHz |
|-------------------------|-------------|

|                     |      |
|---------------------|------|
| Sensitivity (1Watt) | 91dB |
|---------------------|------|

|                  |  |
|------------------|--|
| Coverage Pattern | (HxV) : 180° X 120°(1kHz) / 120° X 70°(4kHz) |
|------------------|--|

**Network Protocol**

|          |   |
|----------|---|
| Security | Password protection : admin,setup,user,guest<br>(sha-2, Digest authentication, User access log)<br>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)<br>Up to 256 Zone Control (Multicast)<br>Up to 20 Zone Control (Unicast)<br>Up to 255 Groups |
|---------------------------------|--|

|      |   |
|------|---|
| VoIP | Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Asterisk<br>Tested with SIP client such as Grandstream and PBX supplier such as Grandstream<br>Supported SIP features: DTMF (RFC2833)<br>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 |
|-----------------------|--|

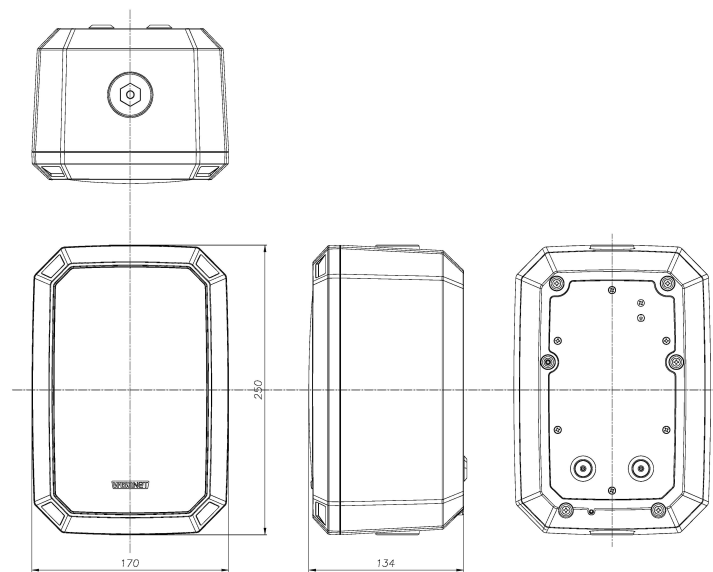
# SPA-W100B

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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