



# SPA-C110W

## IP Ceiling Speaker

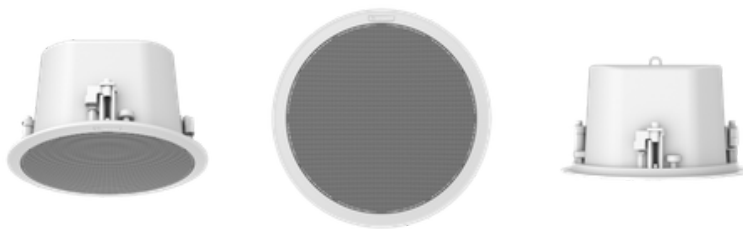


### Key Features

- 100dB Max. Sound Pressure Level
- Built in 10W Class D Amplifier
- 90dB Sensitivity
- 20Hz ~ 20kHz Frequency Response
- 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: 100dB
- Frequency Range (-10dB): 120Hz~20kHz
- Sensitivity (1Watt): 90dB
- 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 test by graphic level meter (Built in test tool)

# SPA-C110W

IP Ceiling Speaker



## Specifications

### Product

|               |                    |
|---------------|--------------------|
| IP Audio Type | IP Ceiling 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 (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°C(-4°F~+122°F)                                                              |
| Operating Humidity    | 10~85%RH(Non-Condensing)                                                             |
| IP Code               | N/A                                                                                  |
| Weight                | 2.7Kg (5.95lb)                                                                       |
| Size                  | ø269*156.5(H)mm                                                                      |
| Color                 | White                                                                                |
| Certificate           | EMC : FCC Part 15 Subpart B,ICES-003,<br>Safety : UL 2043,UL 62368-1,CAN/CSA 62368-1 |

### Speaker

|                   |                                                |
|-------------------|------------------------------------------------|
| Speaker Component | 2 Way 8" LF Drive & 2" HF Driver. Passive type |
|-------------------|------------------------------------------------|

## Speaker

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Max. Sound Pressure Level (PoE)  | 96 dB                             |
| Max. Sound Pressure Level (PoE+) | 100 dB                            |
| Frequency Range (-10 dB)         | 120 Hz~20 kHz                     |
| Sensitivity (1 Watt)             | 90 dB                             |
| Coverage Pattern                 | (HxV) : 90° (1 kHz) / 60° (4 kHz) |

## Network Protocol

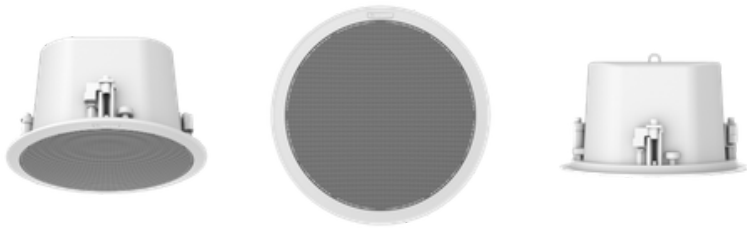
|                     |                                                            |
|---------------------|------------------------------------------------------------|
| Supported Protocols | IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP |
|---------------------|------------------------------------------------------------|

## 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 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.<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                                                                                                                                                                         |

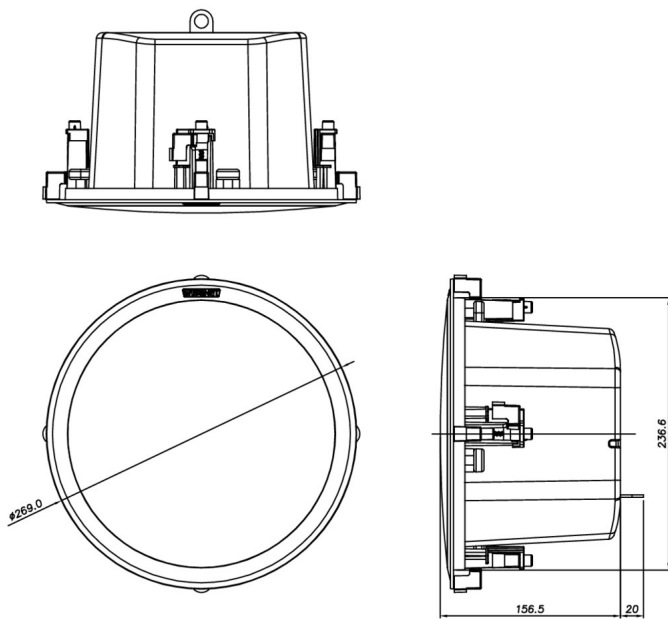
# SPA-C110W

IP Ceiling Speaker



CAD

Unit: mm [inch]



|                           |            |                                                                                                      |
|---------------------------|------------|------------------------------------------------------------------------------------------------------|
| 3                         | MODEL2     |                                                                                                      |
| 2                         | MODEL1     |                                                                                                      |
| 1                         | SPA-C110BW | 23.05.10                                                                                             |
| No.                       | MODEL NAME | DATE                                                                                                 |
| Unit: mm[inch] SCALE: 1/1 |            |  Hanwha Techwin |

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