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|  | IP Speaker |

**IP Horn speaker**

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| SIP-S21M | |
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**Overview**

IP horn speaker SIP-S21M with build in 30w amplifier is designed to be easy

installed for outdoor environment, it is well compatible with SIP & ONVIF

protocol that to be used in VoIP and Onvif VMS also NVR for security field. Up

to 10 RTP multicast address enable to arrange different paging solutions. Alarm

in and HTTP URL are able to combine with alarm system. Pre-recorded

message and schedule broadcasting to meet various paging demands.

The 48K OPUS Audio Codec enables excellent sound quality to make

announcement, play background music, security alarm in school, factory and

hospital, etc.

1. Two-Way Intercom Communication.

2. 48K OPUS, AEC, AGC, ANR

3. Compatible with VoIP, SIP devices (IPPBX, IP Phone) via SIP.

4. Compatible with IP Camera VMS via ONVIF.

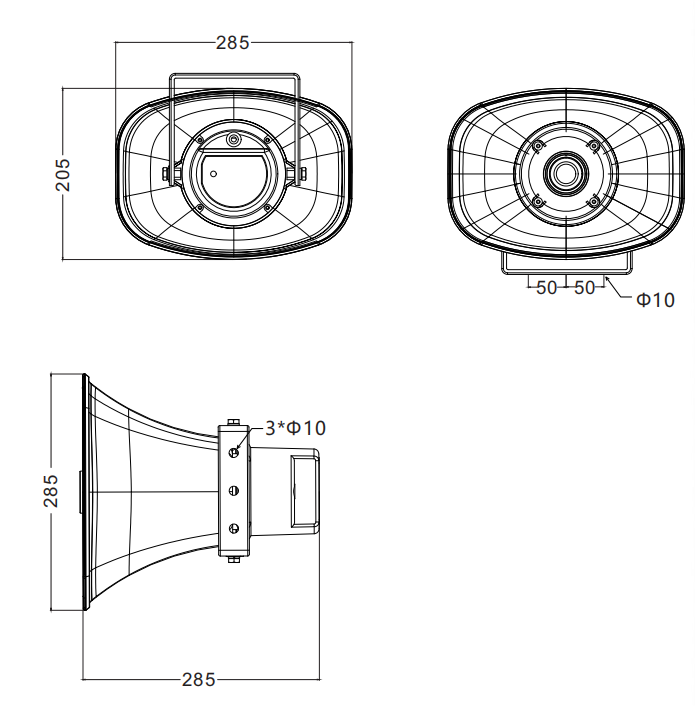
5. HTTP Control, Alarm in, Schedule

6. 30W Amplifier, PoE Power Supply

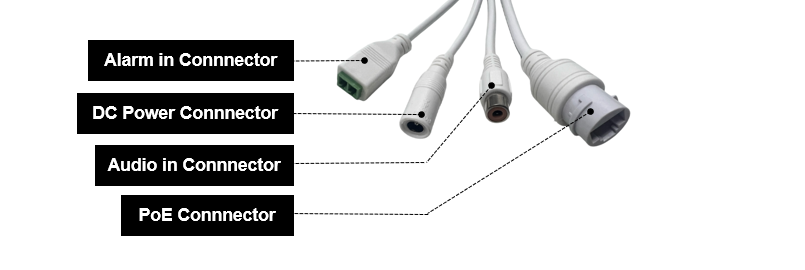
7. Built-in MIC, Audio in

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**Dimension**



**Cable Interface**



1. Alarm in Connector: Max 3.3V, Prerecorded play, SIP call and Http Stream Enable 2. PoE connector: RJ45   
3. DC power Connector: 12-24V   
4. Audio in: Top priority of all audio source like RTP multicast, SIP paging.

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**Specification**

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| **Audio** |  |
| Codec | OPUS 48KHz, MP3 44.1KHz, G.722 ADPCM 16KHz, G.711U 8KHz, G.711A 8KHz,  GSM, LPCM Stereo 44.1KHz, LPCM Mono 44.1KHz |
| Built-in  Microphone | Yes |
| **Speaker** |  |
| Max SPL | 120dB |
| Frequency  Response | 350Hz~8KHz |
| Frequency  Range | 500-2KHZ +-10dB  400-12KHZ +-20dB |
| Harmonic  Distortion | [0.1@1kHz](mailto:0.1@1kHz) |
| Signal to  Noise Ratio | 91dB |
| **Network** |  |
| Security: | Password protection, IP address filtering, Digest authentication, firewall |
| Network  Protocol | SIP, SIP P2P, ONVIF, HTTP, HTTPS, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP,  ARP, NTP |
| Network  Interface | 10/100 Base-TX, RJ45 |
| VoIP | Support for SIP protocol for integration with VoIP systems, integrated with SIP/PBX.  2 SIP Accounts  SIP Direct IP Call SIP P2P  Codec: OPUS, G.722, G.711U, G.711A |
| **Amplifier** |  |
| Amplifier  Description | Built-in 30W Amplifier |
| **General** |  |
| Operating  Temperature | -30℃ - +60℃ |
| Storage  Temperature | -40℃ - +70℃ |
| Operating  humility | 5% - 85% |
| Material | ABS (IP66 water-proof) |
| Rate Power | 30W |
| PoE | 802.3at |
| Power Supply | DC 12V/3A, 24V/2A |
| Connector | Alarm in, Audio in, DC Power, PoE |

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| |  |  | | --- | --- | | Dimensions | 285\*205\*285mm | | Net Weight | 2 KG | | |

**Software**

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| Date/Time | Local time, NTP |
| Network | DHCP, Static IP Address |
| Onvif | Profile S |
| SIP Account | Support 2 SIP account registration |
| Audio | Codec： OPUS, G.722, G.711U, G.711A  Speaker out: Volume adjustment, Amp auto off setting, Jitter Buffer, HPR  and NR adjustment  Build in Mic: Volume adjustment, Gain, AEC, AGC, HPR and NR  adjustment |
| Media File | 5 embedded belling, 10 customized uploads (free space about 4MByte) |
| Alarm | Support prerecorded playing, SIP call, Http Stream URL, Http URL |
| Schedule | 10 schedule setting |
| RTP | 10 RTP multicasting |
| Firewall | Enable to config via IP/MAC, Automatic Defense |
| Auto Provision | DHCP Option, PnP, Static Provisioning Server (TFTP, FTP, HTTP) |
| System | Enable for reboot, reset, and FW upgrade, also user account and  passcode change |

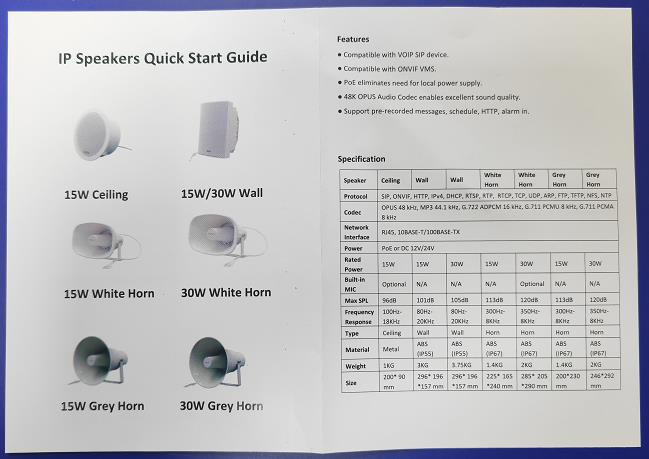
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**Accessories**

1. PoE waterproof connector



2. Quick Guide (Customized or White label)

A5 size, folded in half   
   
 

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**Packing**

1. Individual box



2. Outer box（4pcs）

