

# SIP Speaker

## DS10



**External pickup interface to realize SIP intercom**



**2 SIP accounts 2 call lines**



**HD audio, acoustic echo elimination, noise reduction**



**Built-in PoE power supply**



**Multi-function single button, humanized voice reporting, restore factory**



**Built-in only trust SIP server mechanism to shield malicious attacks**



## Overview

DS10 high-fidelity full-duplex SIP intercom speaker, using advanced echo cancellation technology, 10W high-fidelity speaker, can enjoy clear and beautiful sound quality in public places, support group broadcasting, built-in black and white list and only trust SIP server mechanism, Shield unnecessary interference calls and Internet attacks. By connecting DS10 with other Dinstar devices, including IP phones and video conferencing terminals, users can easily create an advanced, feature-rich, secure voice intercom and broadcast solution. It provides efficient and convenient information transmission for shopping malls, schools, hospitals, and other public places that require large-scale broadcast coverage, so that users can get a full range of high-fidelity audio experience in a wide space.



### Protocols and Standard

- SIP RFC3261
- TCP/IP/UDP
- RTP/RTCP
- HTTP/HTTPS
- ARP, ICMP
- DNS (SRV, NAPTR)
- DHCP
- TFTP
- NTP
- STUN
- LLDP-MED
- TR-069
- 802.1x
- TLS
- SRTP
- IPV6
- OpenVPN

### Telephone functions

- SIP intercom
- Multicast paging
- Answer calls by priority
- HD voice
- Ultra-wideband high-definition voice coding and speakers
- Speaker
- 10W high fidelity speaker
- Security
- Distinguish between ordinary users and administrator rights
- MD5 and MD5-sess based authentication
- 256-bit AES security profile
- TLS
- SRTP
- HTTPS
- 802.1x media access control

### Power & Energy saving

- Integrated PoE\* 802.3af Class 3
- PoE: IEEE 802.3af/IEEE 802.3at

### Product specification

- Dimensions: 200mm x 165mmx97mm
- Net weight: 0.8kg

### Temperature & Humidity

- Working: 0° C to 40° C
- Storage: -10° C to 60° C
- Humidity: 10% to 90% non-condensing

### Packing list

- One DS10 host
- Universal power adapter (optional)
- Cable
- Quick Installation Guide Manual

### Speech coding

- Support G.711μ/a, G.722 (wide-band)
- G.726-32,
- iLBC
- Opus
- G.729A/B in-band / out of band
- DTMF (RFC2833, SIP INFO)
- VAD
- CNG
- AEC
- PLC
- A JB
- AGC
- ANS

### QoS

- Support the second layer (802.1Q, 802.1p) and the third layer (ToS, Di port Serv, MPLS) QoS

### Multi-language

- Simplified Chinese / Traditional Chinese /
- English / Turkish / Korean/Russian /
- French / Italian / German / Polish /
- Portuguese/Japanese / Spanish / Thai /
- Hindi / Arabic / Vietnamese

### Upgrade/Configuration

- Upgrade firmware via TFTP/HTTP/HTTPS upload
- Upgrade firmware via local HTTP upload
- Large-scale deployment through Tr069 or AES encrypted XML configuration files

### Auxiliary interface

- A 3-pin multi-purpose input port

### Network interface

- One 10/100Mbps network port
- Integrated PoE/PoE+

### Pickup function

- Optional 6m pickup module

### Standards and Certifications

- FCC: Part 15 (CFR 47) Class B
- FCC Part 15C
- FCC Part 15E
- MPE
- CE : EN 55032
- EN 55024
- EN 61000-3-2
- EN 61000-3-3
- EN 60950-1
- EN 301 4891/17
- EN 300 328
- EN 301 893
- EN 62311
- RoHS
- RCM: AS/NZS CISPR 32/24
- AS/NZS 60950.1
- AS/NZS 4268 IC: ICES 003
- RSS 247
- RSP-100
- RSS 102