# IP-A1PC238

Discreet Design for Indoor IP Solutions
Based on open standards, the IP-A1PC238 IP Ceiling Speaker plug right into standard IP networks and can be easily integrated into your video management system (VMS) or SIP-based communication system. A single standard network cable provides both power and connectivity with your network. The IP-A1PC238 IP Ceiling Speaker comes with a built-in 8 W power amplifier and spring clamps for easy and quick installation. Its light weight and universal applicable diameter enable a variety of indoor applications.
Easy to customize over API (Application Programming Interface): Adapt the individual volume to the environmental noise level and optimize it to time of day, distance, and degree of emergency.
Flexible Group Paging: The IP-A1PC238 IP Ceiling Speaker can be addressed via multicast enabling audio paging into groups of IP devices simultaneously.
Application Examples:
Audio calls and paging into indoor areas like offices, conference areas, doctor's offices, educational facilities, hotels or malls.

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## Specifications

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|---|---|
| Indicator | LAN: LINK/ACT (green), STATUS (orange) |
| Internal audio files | Max. 20 messages (Max. recording capacity: 80 MB)<br>Supported file formats:<br>WAV file: 8/16/44.1/48 kHz sampling frequency, 8/16 bit, monaural/stereo<br>MP3 file: 32/44.1/48 kHz sampling frequency, 64 - 320 kbps, CBR/VBR, monaural/stereo<br>Repeat playback: Playcount (1 - 10 times), Duration (5 - 3600 s)<br>or Timer (from start time to end time)<br>Interval time: 0 - 60 s, Delay time: 0 - 30 s<br>Trigger: Control Input or Remote API (HTTP) |
| Audio Codec | PCMU (G.711u), PCMA (G.711a), G.722 |
| Power source | PoE (IEEE802.3af Class 3) |
| Sensitivity (1#W, 1#m) | 94 dB (500 Hz - 5 kHz, pink noise) |
| Control input | 2 channels, no-voltage make contact inputs, open voltage: 5 V DC, short-circuit current: 2 mA or less, removable terminal block (6 pins) |
| Frequency response | 60 Hz - 20 kHz (peak -20 dB) |
| Network audio I/F | SIP Broadcasting Mode: PCMU/PCMA/G.722, P2P/SIP Server Connection<br>Multicast Broadcasting Mode: PCMU/PCMA/G.722, Auto codec recognition, 20 ports<br>VMS Broadcasting Mode: ONVIF Audio Backchannel, PCMU<br>Internal Message Broadcasting Mode<br>Note: Each broadcast mode can be assigned an order of priority using the Priority Setting function.<br>ONVIF is a registered trademark of ONVIF Inc. |
| Power consumption | 12.95 W (rated output)<br>5 W (IEC62368-1) |
| Control output | 1 channel, open collector output, withstand voltage: 30 V DC, control current: 10 mA or less, removable terminal block (6 pins) |
| Network control I/F | Remote API (HTTP commands) |
| Max. SPL (1 m) | 103 dB (8 W) |
| Network I/F | 100BASE-TX, Auto MDI/MDI-X, RJ-45 connector |
| Network protocol | TCP/IP, UDP, HTTP, RTP, RTSP, RTCP, ARP, ICMP, IGMPv3, NTP, SIP (RFC3261) |
| Speaker component | 16 cm cone-type |
| Mounting hole | # 200 ± 2 mm |
| Ceiling thickness | 5 - 25 mm |
| Speaker mounting method | Spring clamp |
| Clock Accuracy | ±13 s per month, Power outage protection period: 24 h (RTC time retention, at 40 °C) |
| Time Adjustment | Manual time setting, Time adjustment by NTP server |
| Finish | paint, traffic white (RAL 9016 or equivalent), frame: steel plate / grill: steel net |
| Operating humidity | 90% RH or less (no condensation) |
| Operating temperature | 0 °C to +50 °C |




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Appearance




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