

ISPEAKER CM360 TENDER SPEC

For System Integrators

V1.0

1. HARDWARE & FEATURES

1. The ceiling speaker shall be with at least 128x MEMS microphone array.
2. The ceiling speaker shall be with at least 1x RJ45 Dante port.
3. The ceiling speaker shall be with at least 1x USB C port for debugging.
4. The ceiling speaker shall be with IR Remote to control mute/ unmute, volume, pickup or reinforcement modes.
5. The ceiling speaker shall be with indicator to display status of mute/ unmute, volume, pickup or reinforcement modes.
6. The ceiling speaker shall support PoE.
7. The ceiling speaker shall support both sound pickup and local sound reinforcement modes separately or simultaneously.
8. The ceiling speaker shall support unlimited cascading.
9. The ceiling speaker shall work no matter with or without DSP.
10. The ceiling speaker shall support -38dBv/94dB SPL @1KHz sensitivity.
11. The ceiling speaker shall support 65dBv/94dB SPL@1KHz, A-weighted SNR (Signal-to-Noise Ratio)
12. The ceiling speaker shall support at least 8x local pickup zones.
13. The ceiling speaker shall support at least 8x local sound reinforcement zones.
14. The ceiling speaker shall support 1x local mute zone.
15. The ceiling speaker shall support 48kHz sampling rates.
16. The ceiling speaker shall support AI Noise Reduction Suppression, AI Reverberation Suppression, AI Feedback Suppression, AI Echo Cancellation.
17. The ceiling speaker shall support cameras tracking.
18. The ceiling speaker shall support at least 8 meters pickup distance.
19. The ceiling speaker shall support AI-based technology with deep-learning model.
20. The ceiling speaker shall support full-duplex working mode.
21. The ceiling speaker shall support Spatial DOA.
22. The ceiling speaker shall support less than 30ms ultra-low latency capability.
23. The ceiling speaker shall support 10dB local sound reinforcement capability.

2. SOFTWARE

1. The ceiling speaker shall support online firmware upgrade.
2. The ceiling speaker shall support user-friendly GUI.
3. The ceiling speaker software shall support online firmware management.
4. The ceiling speaker software shall support multiple meeting ROOMS management including configuration, rename, copy, delete and import/export settings data.
5. The ceiling speaker software shall support virtual Canvas to setup microphone's locations, positions, directions, and layouts.
6. The ceiling speaker software shall support uploading meeting room drawings picture.
7. The ceiling speaker software shall support edit at least 8x local sound pickup zones.
8. The ceiling speaker software shall support edit at least 8x local sound reinforcement zones.
9. The ceiling speaker software shall support mute function.
10. The ceiling speaker software shall support EQ configuration.
11. The ceiling speaker software shall support AGC configuration.
12. The ceiling speaker software shall support import/ export the configuration data.
13. The ceiling speaker software shall support built-in Dante Controller software.
14. The ceiling speaker software shall support built-in INFOBIT iSound DSP software.
15. The ceiling speaker software shall support LOG management.
16. The ceiling speaker software shall support camera tracking configuration.

3. MOUNTING

The ceiling speaker shall support at least 3x different mounting ways like pendant ropes, mounting bracket, or in-ceiling mounting.