
IP Square Loudspeaker

The IP square loudspeaker shall be of a surface mount type design, with a full robust metal construction that shall include a class D type amplifier capable of producing up to 8 watts of power. The IP square loudspeaker shall be SIP compatible to broadcast clear and intelligible VoIP messages via a single Category 5 or greater network cable and shall support various standard network protocols and forums such as ONVIF (Open Network Video Interface Forum) and shall be able to complement VMS (Video Management System) and other audio network integration systems. Twenty multi-cast ports shall be available for group paging. The IP ceiling mount loudspeaker shall have a LINE/MIC input to accommodate an external microphone allowing the possibility to achieve two-way communication (talk-back) or other external audio devices. Switching between LINE/MIC shall be accomplished by using DIP switches. Phantom power shall be available for the microphone as well as an independent volume adjustment. The IP ceiling mount loudspeaker shall have the facility of storing up to twenty audio files with the code of WAV or MP3 format internally. The device shall have the flexibility of broadcasting these files at predetermined times by setting the start and end time along with the day(s) of the week or repeated when necessary and triggered from a control input, or remote API (HTTP). There shall be two controlled inputs and one controlled output. The IP square loudspeaker shall be capable of being muted by TOA IP-A1PG Paging Gateway as the highest priority operation. Remote settings of the IP ceiling mount loudspeaker shall be achieved by connection to a Windows® based personal computer and by using the PC's browser, operational settings, functions and system status can be established. The loudspeaker shall incorporate a single 20 cm (8") full-range dual cone-type transducer with a smooth frequency response of 50 Hz to 16.5 kHz measured on axis with a Sound Pressure Level (SPL) of 97dB measured at 1 metre with a power input of 1 watt or 106dB with a power input of 8 watts measured at 1 metre. The power source shall be supplied from a PoE switching hub. The dimensions shall be 318 (W) × 318 (H) × 108 (D) mm (12.52" x 12.52" x 4.25") weighing 2 kg (4.41 lbs).

The finish of the loudspeaker shall be: Baffle: steel plate, white (RAL 9016 equivalent). Grille: Steel net, white (RAL 9016 equivalent).

Manufacturer: TOA Corporation

Model: IP-A1PC580S