

MXA902 Integrated Conferencing Ceiling Array Architect Specifications

The product shall be an integrated ceiling array microphone, loudspeaker, and DSP designed for AV conferencing in small to medium-sized meeting rooms.

Array Microphone

The ceiling array microphone shall feature the ability to limit coverage to a specific area while rejecting pickup of sounds in other areas. As shipped, the microphone shall provide Automatic Coverage™ of a single 20 by 20 foot (6 by 6 meter) area. This coverage area shall be able to be shifted up to 4 feet (1.2 meters) in any direction to compensate for an off-center mounting location. The microphone shall provide one audio output that includes all talkers in the coverage area.

Loudspeaker

The integrated 2.5-inch loudspeaker shall be optimized for clear voice reproduction. It shall be capable of a maximum output level (pink noise) of 86 dB SPL at a distance of one meter. The loudspeaker shall be capable of receiving two audio inputs via Dante or AES67.

DSP

The microphone shall feature onboard IntelliMix® digital signal processing which includes automatic mixing, acoustic echo cancellation, noise reduction, automatic gain control, compression/limiting, delay, and parametric equalization. All DSP blocks shall allow adjustment of selected parameters.

Connectivity

The microphone shall provide an RJ-45 connection for audio, control data, and PoE+ power. Audio shall utilize either Dante™ or AES67 digital audio networking over a single network cable, and shall be compatible with Dante Domain Manager and Dante Device Lock.

The audio content between the microphone and connected Shure devices (such as the IntelliMix P300 Audio Conferencing Processor or Shure Audio Network Interfaces) shall be encrypted using AES-256 encryption.

The microphone shall be capable of sending and receiving command strings that enable integration with third-party control systems.

Physical Characteristics & Mounting

The product shall be available in a square form factor and 2 ft or 60 cm sizes to accommodate a variety of ceiling designs.

The product shall be available in white, paintable to match interior designs.

The product shall be compatible with in-ceiling, on-ceiling, pole, and wire-rope mounting configurations using available accessories.

The product shall be IP5X rated for dust protection.

The product shall conform to UL2043 as Suitable for Air Handling Spaces

The product shall be the Shure MXA902 Integrated Conferencing Ceiling Array.