Microflex® Advance™ MXA320 Conferencing Table Array Microphone

Architect Specifications

The microphone shall be a table array microphone designed for AV conferencing applications.

Coverage

The table array microphone shall feature Steerable Coverage™ technology to accurately capture speech from desired locations while rejecting unwanted sounds. Coverage shall be visually configurable using Shure Designer System Configuration Software, allowing integration with other Microflex Ecosystem products in the room.

The microphone shall support multiple polar patterns, including Cardioid, Supercardioid, Hypercardioid, Bidirectional, Omnidirectional, and an innovative toroid pattern that captures only table-level sound to minimize distractions from overhead noise.

The microphone shall be capable of capturing multiple simultaneous talkers and provide one automix audio output that includes all active talkers.

DSP

The microphone shall feature onboard IntelliMix® digital signal processing, including acoustic echo cancellation (AEC), noise reduction, speech gating threshold, automatic mixing, and other DSP functions to ensure clear and intelligible audio. 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 (Class 0). Audio shall utilize 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 shall be encrypted using AES-256 encryption.

The microphone shall support standards-based security protocols including 802.1x, secure boot, and secure storage.

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

Additional Features

The microphone shall include a programmable LED light ring with configurable colors and brightness control.

The microphone shall support LED mute sync with leading conferencing platforms, including Microsoft Teams and Zoom Rooms, when used with IntelliMix P300, IntelliMix Room, or ANIUSB-MATRIX.

Physical Characteristics and Mounting

The microphone shall have a compact, low-profile form factor suitable for table mounting in boardrooms, huddle rooms, and multi-purpose spaces.

The microphone shall be available in black, white, or aluminum finishes to complement interior designs.

The microphone shall be compatible with table flush-mount accessories and other mounting options using available accessories.