MICROFLEX™ ADVANCE™
MXA910 Ceiling Array Microphone

The Microflex Advance Ceiling Array is a premium networked array microphone for AV Conferencing that captures best-in-class audio from above the meeting space. Proprietary Steerable Coverage™ technology allows to position pick-up areas throughout a room, with coverage more precise than shotgun microphones.

**Configurable Coverage**
Configure up to eight individual pick-up areas in three dimensions for uniform acoustic performance throughout the room and highest quality participant audio. For quick setup, each lobe can be automatically steered toward a participant using Auto Configuration in the browser-based control software.

**Flexible Networking**
Mix, route and manage the signals from up to eight coverage areas as discrete channels on a Dante network over a single Ethernet cable. An individual automix channel provides added flexibility.

**Digital Signal Processing**
Microflex Advance Ceiling arrays feature the new Shure IntelliMix™ DSP Suite for precise coverage settings, automatic mixing, equalization, and echo reduction.

**Workflow Efficiency**
The microphone includes multiple templates to speed initial setup and ten presets for importing or exporting array configurations.
Ceiling Array Coverage Examples

Large Conference Room

Profile
1 Rectangular Table
28 Chairs

Setup
2 Ceiling Arrays
14 Coverage Areas

Medium-Size Conference Room

Profile
1 Rectangular Table
14 Chairs

Setup
1 Ceiling Array
8 Coverage Areas

Multi-Purpose Room | Classroom Setup

Profile
4 Rectangular Tables
16 Chairs

Setup
1 Ceiling Array
7 Coverage Areas

Multi-Purpose Room | Conference Setup

Profile
3 Rectangular Tables
21 Chairs

Setup
1 Ceiling Array
8 Coverage Areas

Mounting Options

Flush mount installation

VESA-format pole mount

Suspension mount

Specifications

All specifications measured from narrow beam width. Values for all widths are within ±3 dB of these specifications unless otherwise noted.

Beam Width

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Narrow</th>
<th>Medium</th>
<th>Wide</th>
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</thead>
<tbody>
<tr>
<td>Width</td>
<td>35 degrees</td>
<td>45 degrees</td>
<td>55 degrees</td>
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</table>

Plenum Rating
Requires Fyrewrap® fire protective wrap system (included)
UL 2043 (Suitable for Air Handling Spaces)

Dust Protection
IEC 60529 IP5X Dust Protected

Operating Temperature Range
−6.7°C (20°F) to 40°C (104°F)

Storage Temperature Range
−29°C (-20°F) to 74°C (165°F)

Audio

Frequency Response
180 to 17,000 Hz

Dante Digital Output

Channel Count
9 total channels
(8 independent, 1 IntelliMix™
Automatic mixing transmit
channel)

Sampling Rate
48 kHz

Bit Depth
24

Sensitivity
at 1 kHz
0.75 dBFS/Pa

Maximum SPL
Relative to 0 dBFS overload
93.25 dB SPL

Signal-To-Noise Ratio
Ref. 94 dB SPL at 1 kHz

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Control Application
HTML5 Browser-based

83 dB A-weighted

Latency
Not including Dante latency
6 ms

Self Noise
11 dB SPL-A

Dynamic Range
82.25 dB

Built-in Digital Signal Processing

Per Channel
Equalizer (4-band Parametric), Mute, Gain
(140 dB range)

System
IntelliMix™ Automatic mixing, Echo Reduction

Intelligibility Scale
Equivalent acoustic performance, compared to
a cardioid gooseneck microphone (environment
dependent)
Cardioid distance multiplied by 1.6

[1] 1 Pa=94 dB SPL

Networking

Cable Requirements
Cat 5e or higher (shielded cable recommended)

www.shureasia.com/mxa