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**PAMR 101**

DUAL-LAYER  
HANDHELD  
MICROPHONE ARRAY

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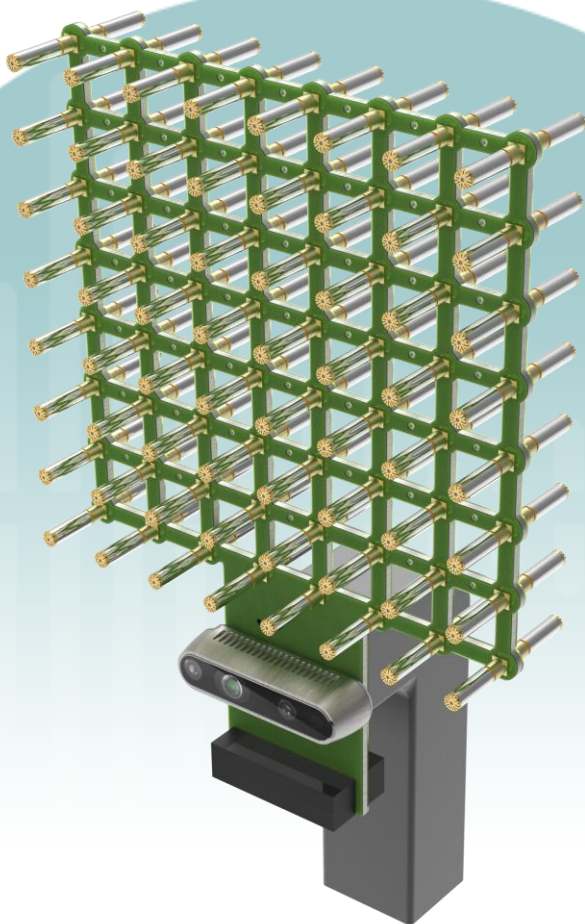
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# PLACID DUAL-LAYER HANDHELD MICROPHONE ARRAY



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# PLACID DUAL-LAYER HANDHELD MICROPHONE ARRAY PAMR 101

Microphone array (also known as Acoustic array), utilizing microphone array technology, it can pinpoint the location and intensity of sound sources across different frequencies. Identifying noise sources enables targeted noise reduction design.

## FEATURES

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- Real-time Acoustic Holography
- Block-wise Rendering
- Conformal Computing

## APPLICATIONS

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- Suitable for cabin, indoor environments, and similar enclosed spaces
- Applicable to near-field acoustic environments and confined spaces, such as inside vehicles or near complex machinery for leak detection and conformal imaging
- Effective for noise source localization in aviation, automotive, machine tools, and industrial settings



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## PLACID DUAL-LAYER HANDHELD MICROPHONE ARRAY | PAMR101

### DATASHEET



### MICROPHONE

Model	PMP4023
Sound field	Free field
Polarization Voltage	0 V
Frequency Range	20 ~ 20000 Hz
Frequency Range ( $\pm 3$ dB)	20 ~ 20000 Hz
Dynamic Range	28 dB(A) ~ 142 dB
Sensitivity ( $\pm 3$ dB)	12 mV/Pa
Temperature Range, operation	-10 ~ 50 °C
Relative Humidity Range (Non-Condensing)	0 ~ 95 %RH
Power Supply	IEPE (2 ~ 20 mA)
Typical Current	4 mA
Output Connector	SMB
Diameter	7 mm
Length	30 mm

### DUAL-LAYER HANDHELD ARRAY

Channels	8 × 8 × 2
Microphone Spacing	30 mm
Output Connector	HDR78 Female Connector
Material	Aluminum Alloy
Dimensions	418 x 224 x 131 mm
Weight (With microphone)	1.3 kg





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