

RA128 SE

Acoustic Imager

The RA128-SE is a portable acoustic imaging camera that utilizes a microphone array to locate sound sources and display real-time acoustic imaging results on a cloud map.

It detects both audible and ultrasonic frequencies, enabling sound source localization, noise detection, and acoustic tracking with outstanding performance on static/moving and steady/transient sources. Key applications include gas leak and electrical partial discharge detection.



Product Highlights



Single-handed,
integrated sound
and image design



Single-hand
operation



Lightweight
and portable,
easy to use



Fast,
stable imaging
without ghosting



AI partial discharge
type analysis



Intelligent
analysis



Wide monitoring frequency
range covering both
audible and ultrasonic

Specifications

MICROPHONE	
Microphone Type	Digital MEMS
Signal-To-Noise Ratio	64.3 dB(A)
Microphone Frequency Range	20 Hz~ 65 kHz
Microphone Dynamic Range	30 dB(A) ~ 124 dB(A)
Sensitivity	-26 dBFS (1 kHz, 94 dB SPL)
MICROPHONE ARRAY	
Channels	128
Array Aperture Diameter	50 mm
Recommended Imaging Frequency Range	10 kHz~ 65 kHz
Maximum Imaging Frequency Range	2 kHz~ 65 kHz
Recommended Imaging Range*	0.3~130m
Acoustic Imaging Frame Rate	25 FPS
Acoustic Imaging Dynamic Range	18 dB
PRPD & PD Type Classification	Supported
OTHER PARAMETERS	
Camera Resolution	13 MP.Saving 1280 x720 pixel pictures and videos
Built-in Storage	128GB
Display Resolution	1280 x 720
Display	5 inch Touchscreen
Bluetooth	4.2
WIFI	Supported
Picture/Video	Supported
Batteries	3300 mAh Rechargeable Li-ion
Battery Usage Time	5.5 hours
Size (Hx Lx W)	110 mmx150mmx 80 mm
Weight	<800g
Operating Temperature	-20 °C to 50 °C
Relative Humidity	10 % to 95 % Non-Condensing
Minimum Leak Rate	1.5m,1.72bar,0.25ml/s
Ingress Protection Code	IP54 Optional

*The maximum imaging range depends on the amplitude of sound to detect.

Raythink technology Co., Ltd.

Company Address: No.5 Wanshoushan Road, Fulaishan Street, Yantai Area of China (Shandong) Pilot Free Trade Zone
 Postal Code: 264000 Official Website: <http://www.raythink-tech.com> Service Email: sales@raythink-tech.com

*The information is for illustrative purposes only. The pictures and technical specifications are subject to change without prior notice. Sample No.: G2025-CX200 +2P001