

AC210

Acoustic Camera



The AC210 is a compact, lightweight acoustic camera designed for one-hand operation, offering comfortable use without compromising sound-source localisation performance. It features a high-sensitivity MEMS ultrasonic sensor array that captures extremely low-amplitude signals, allowing faster and more accurate leak and discharge detection.

With a wide frequency range up to ultrasonic range, the AC210 is ideal for applications such as compressed air leak detection and partial discharge inspection. Its digital-camera-style design makes acoustic imaging intuitive, requiring no complex training.

The AC210 also supports optional G-function and a multifunction fusion module, enabling infrared temperature measurement, laser ranging, fill light, GPS, and more.

Key Features

- Microphone array: Optional 212
- Frequency Range: 2KHz to 100KHz
- Measurement Distance: 0.3 to 200m
- Sound Analysis: Partial discharge, leaks, buzz/ hiss sound profiles
- Additional Features: ATEX option, Wi-Fi, Bluetooth
- Designed for: professionals in the electrical, power, petrochemical, refineries and maintenance industry

AC210 Specifications

MICROPHONE	
Microphone Type	Digital MEMS
Signal-To-Noise Ratio	64.3 dB(A)
Microphone Dynamic Range	30 dB(A) ~ 124 dB(A)
Sensitivity	-26 dBFS (1 kHz, 94 dB SPL)
MICROPHONE ARRAY	
Channels	212
Array Aperture Diameter	66 mm
Maximum Imaging Frequency Range	2 kHz ~ 100 kHz
Recommended Imaging Range*	0.3 ~ 200 m
Acoustic Imaging Frame Rate	25 FPS
Acoustic Imaging Dynamic Range	18 dB
PRPD	Supported
Leak Rate	Supported
Cost Estimation	Supported
OTHER PARAMETERS	
Camera Resolution	16 MP. Saving 1280 x 720-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	Swappable 3300mAh Li-ion
Battery Usage Time	2h45min
Size (H x L x W)	158 mm x 112 mm x 84 mm
Weight	750 g
Operating Temperature	-20 °C to 50 °C
Relative Humidity	<95% Non-Condensing
Minimum Leak Rate	3 m, 1.72 bar, 0.25 ml/s
IR Module Resolution	640 x 512 Optional
Explosion-Proof	Optional
Ingress Protection Code	IP 54 Optional

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

Please be aware specifications can vary from time to time