Handheld Acoustic Camera



HZ-HA-170p

Key Features

- 138 MEMS Microphones
- Supports multiple source detection
- Real-time sound source localization
- Real-time partial discharge type prediction
- Real-time estimate gas leak rate, leak cost

HZ-HA-170p is the newest generation sensitivity acoustic imaging system specifically engineered for the detection of partial discharge issues in high-voltage electrical systems and gas leaks in compressed gas systems.

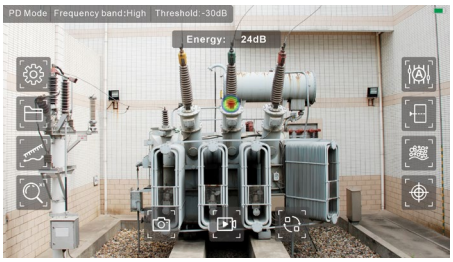
Boasting an array of 138 MEMS microphones, this sophisticated system excels in detecting and quantifying various instances of partial discharge while also providing accurate estimations of gas leak rates and associated costs.

The camera supports both audible and ultrasonic frequency. It facilitates precise sound source localization for advanced diagnostics.

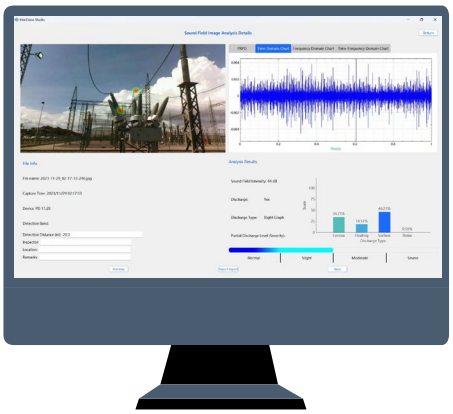
As the world's lightest acoustic camera, it's perfect for inspectors and professionals to swiftly identify efficiency loss and potential failures.

The 5-inch touch screen ensures a seamless user experience, presenting results against a cloud backdrop for easy identification of critical points.

Driven by Hertzinno's AI engine, the system offers intuitive operation, reducing training time and ensuring ease of use.



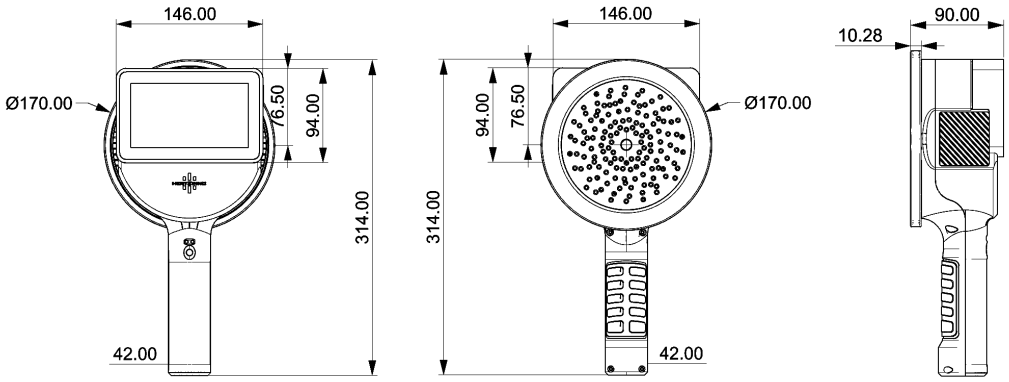




■ Specification

Model	HZ-HA-170p
Acoustic	
Microphones	138 Microphones
Dynamic Range of Camera	-30dB ~ 120dB
Minimum Imaging Sensitivity	10kHz：1dB SPL 20kHz：-10dB SPL 30kHz：-6dB SPL 40kHz：3dB SPL 50kHz：6dB SPL 60kHz：20dB SPL
Operating Distance	0.3m ~ 200m
Horizontal Spatial Resolution	150mm
Dynamic Range of multiple targets	0 ~ 18dB
Frequency Bandwidth	2-100kHz
Microphone Self-diagnosis	Support
General	
Camera	13MP
FOV	75°
Low Lux	0.5Lux/F2.0
Photo Image Resolution	4K (3840*2160)
Imaging Frame	30FPS
Digital Zoom	8x
Video Image Resolution	1920*1080 @30fps
Storage	Internal 64GB
Video record	5min
Display	720P, 5-inch Capacitive Touch Screen
Wi-Fi	2.4G/5G
USB	TYPE-C
Battery Operating Time	4h
Direct Charging Type	Type-C
Protection Level	IP54
ATEX	Ex ib IIC T4 Gb Ex ib IIIC T80°C Db
Weight	Approx. 1100g
Dimension	314mm* 167mm* 89.9mm
Working Temperature Range	-20℃ ~ 50 ℃
Storage Temperature Range	-30℃ ~ 60 ℃
Humidity	10% -95%
Applications	
Application Scenarios	Partial discharge/Gas leakage/Vibration
Partial discharge Type Prediction	Corona/Floating/Surface/Noise
Leaks Rate	>0.0032L/min from 2.5m >0.0044l/min from 6m >0.049l/min(0.83ml/s) @120kpa from 8m

Dimension



Packaging list

1. Acoustic Imaging Camera
2. Camera Charging
3. Spare Battery
4. Carrying Case
5. User Manual
6. Factory test report
7. Accessary kit

Notes

Please note that parameters are subject to change, and we encourage you to refer to Hertzinno's official announcements for the most up-to-date information.
Hertzinno reserves the right to provide final explanations for any changes that may occur.