

Acoustic Imager & Infrared Camera 2 in 1

HZ-HA-270

- Gasleak Detection - 128 MEMS
- Partial Discharge (PSPD) - 128 MEMS
- Thermography (Infrared) - 640x512 Pixel
- ATEX Certified



The HZ-HA-270 acoustic imaging camera is a professional product for objects localization and radiation measuring with 128 MEMS microphones.

HZ-HA270 supports audible and ultrasonic frequency bands from 2kHz -65kHz, and can be used for sound source localization, abnormal sound testing, sound source trajectory tracking and positioning.

For steady-state or high transient sound sources, static or moving objects can obtain excellent detection results, and is currently mainly used in pressurized gas leakage detection and partial discharge detection.

By using a 5-inch touch screen, the results presented on the top of a cloud picture allows you to quickly find the source location.

HA270 integrates acoustic and thermal camera, which support switch on software.

Key Feature

- 128 Low-noise MEMS Microphones array, real-time sound field visualization.
- 2kHz - 65kHz
- 800*480 and 5-inch LCD touch screen
- High-precision measure distance 0.3m ~ 150m
- System self-diagnosis program
- Supports multiple source detection
- 3x digital zoom
- Support Partial discharge and air leakage detection
- PRPD support
- Gas leakage estimate support
- Partial discharge type intelligent analysis
- Thermal Camera NETD 40mk
- ATEX: Ex ib IIC T4 Gb, Ex ib IIIC T80°C Db



■ Specification

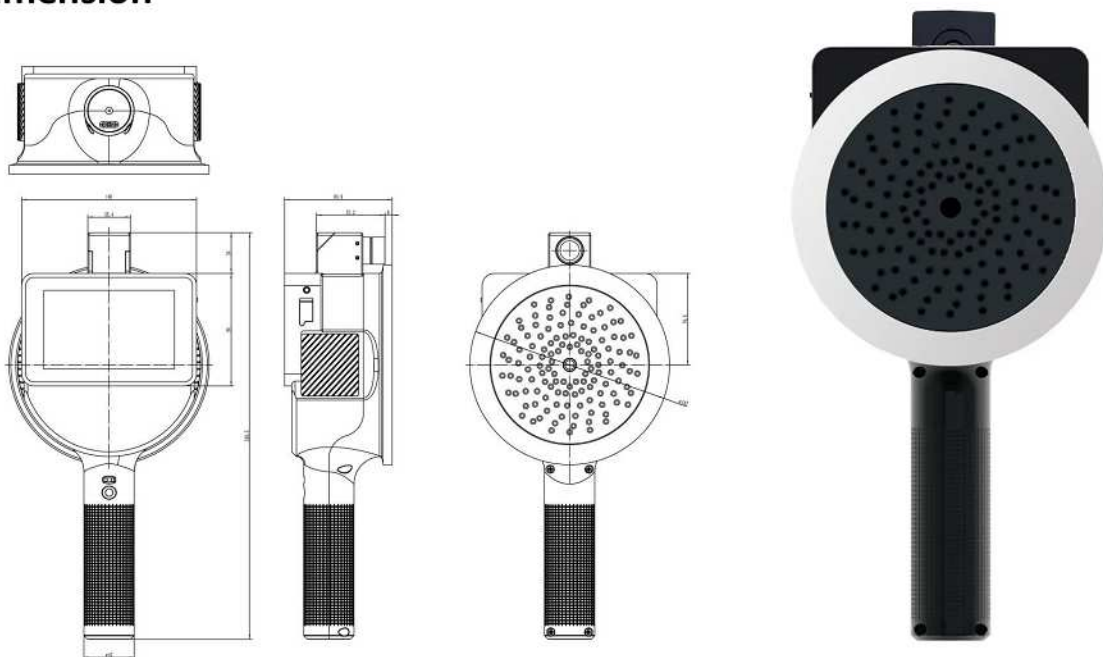
Model	HZ-HA-270
Acoustic	
Microphones	128 channel MEMS
Acoustic Image Resolution	800*480/1920*1080
Dynamic Range of Sensors	30dB ~ 120dB
Sensitivity	-30 dB
Distance	0.3m~150m
Bandwidth	2kHz~ 65kHz
Sampling Rate	130kHz
Camera FOV	64°
Imaging Frame	25FPS
Focal Length	3.9mm
Digital Zoom	3x
Microphone Self-diagnosis	Supports
Source visualization	Support multiple sources detection
General	
Storage	Internal 64GB
Image Format	png
Video File Format	avi
Video record	More than 2 hours
Display	800 * 480 Resolution, 5-inch Touch Screen
Wi-Fi	2.4G/5G
USB	TYPE-A
Battery Operating Time	aprox. 2h
Spare Battery	YES
Power Supply	DC 12V
Protection Level	IP51
Anti-explosion	ATEX
Weight	Approx. 900g
Dimension	339.5mm* 167mm* 89.9mm
Working Temperature Range	-20°C ~ 50 °C
Storage Temperature Range	-30°C ~ 60 °C
Humidity	10% -85%
Annotations	Supports
Application Scenarios	Partial discharge/Gas leakage/Vibration
Partial discharge Type Prediction	Corona/Floating/Surface/Noise
Gas leaks value calculation	YES
Analysis Software	Available

Thermal	
Thermal Sensor	UFPA 8 ~ 12 µm (Uncooled Focal Plane Array)
Thermal Resolution	640*512
FOV of Lens	32.9°x26.6°
Focal length of Lens	13mm
Geometrical Resolution	0.92mrad
NETD	40mk

■ Available Model

HZ-HA-270

■ Dimension



1:LCD display 2:Charger indicator 3:Working indicator 4:Power ON/OFF 5:Microphone arrays 6:Optical camera 7:Charging port

■ Scope of Delivery

1. Acoustic Imaging Camera(x 1)
2. DC 12V Charging (x 1)
3. Carrying Case
4. User Manual
5. Factory test report



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