



# Handheld Acoustic & Thermal Camera



## HZ-HA-271P

HZ-HA-271p combines advanced acoustic and thermal imaging capabilities to deliver precise target localization and temperature measurement.

With its 128 MEMS microphone sensors and high-resolution 640\*512 thermal camera, it excels in detecting gas leaks, partial discharges, and temperature anomalies.

Utilizing deep learning algorithms, the camera provides real-time PRPD spectrum display, particularly useful in power system applications.

Additionally, it offers features for classifying partial discharge types, automatic temperature anomaly alerts, and assessing gas leakage quantity and energy loss.

With replaceable batteries supporting up to 7 hours of operation, it guarantees reliable performance in diverse environments, making it an indispensable tool for professionals in various industries.

### Key Feature

- 128 Low-noise MEMS microphones
- 1000 nits screen
- 13MP camera
- 640\*512 resolution thermal lens
- Operating distance 0.3m ~ 200m
- Microphone self-diagnosis function
- Multiple sources detection
- 8x digital zoom
- Partial discharge type intelligent analysis
- Replaceable battery
- AI Software
- Partial discharge detection
- Gas leakage estimate
- Mechanical fault detection



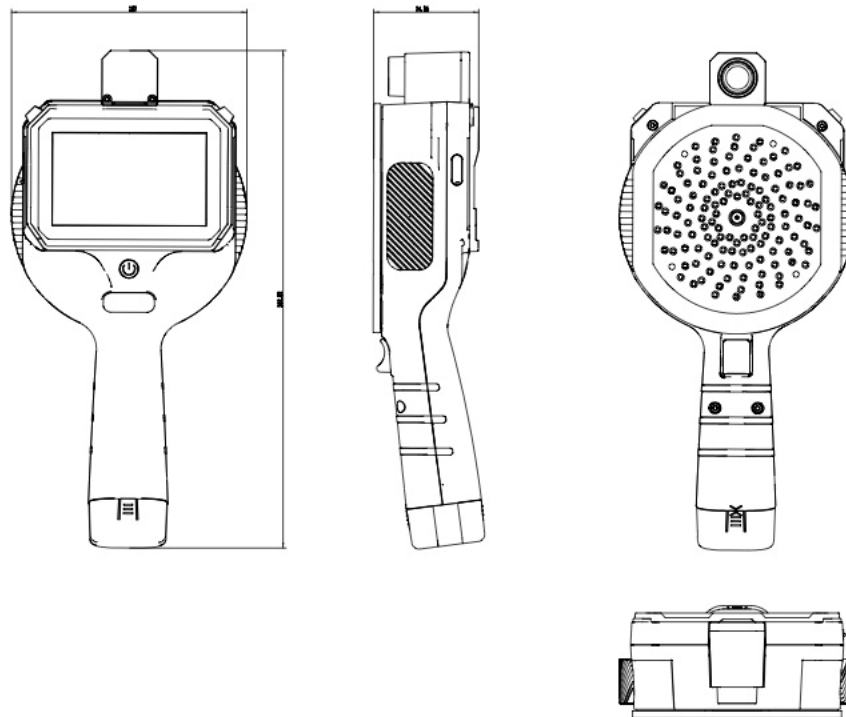
## ■ Specification

<b>Model</b>	<b>HZ-HA-271p</b>
<b>Acoustic</b>	
Microphones	128 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
<b>General</b>	
Camera	13MP
FOV	75°
Low Lux	0.5Lux/F2.0
Photo Image Resolution	4K (3840*2160), 1080P
Imaging Frame	30fps
Digital Zoom	8x
Video Image Resolution	1920*1080
Display	1280*720P 1000 nits
Wi-Fi	2.4G/5G
USB	TYPE-C
Battery Operating Time	7h
Replaceable Battery	YES
Direct Charging Type	Type-C
Protection Level	IP54
Weight	Approx. 1100g
Dimension	352.92 mm* 167mm* 74.35mm
Working Temperature Range	-20°C ~ 50 °C
Humidity	10% -95%
<b>Applications</b>	
Application Scenarios	Partial discharge/Gas leakage/Vibration
Partial discharge Type Prediction	Corona/Floating/Surface/Noise
Leaks Rate	> 0.83ml/s, @120kpa from 8m
Thermal Sensor	640*512
Temperature Range	-20°C ~ 550°C
FOV of Lens	32.9°x26.6°
Geometrical Resolution	0.92mrad
NETD	≤40mk

## ■ Available Model

HZ-HA-271p

## ■ Dimension



## ■ Packaging list

1. Acoustic Imaging Camera
2. DC 12V Charging
3. Spare Battery
4. Charger dock
5. Carrying Case
6. User Manual
7. Factory test report
8. Accessory kit

## ■ Notes

Please note that parameters are subject to change, and we encourage you to refer to Hertzinnno's official announcements for the most up-to-date information.

Hertzinnno reserves the right to provide final explanations for any changes that may occur.

