



## HZ-HA-171P

HZ-HA-171p is a new generation acoustic camera for partial discharge detection, pressurized leak detection and mechanical fault detection.

HZ-HA-171p supports both audible frequency and ultrasonic frequency, for steady-state or high transient sound sources, static or moving objects can obtain excellent detection result.

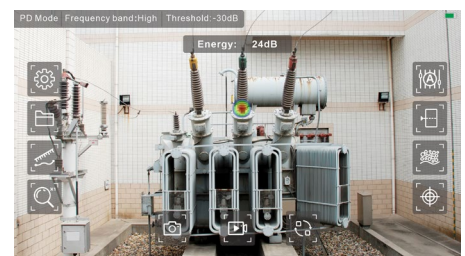
Under PD mode, the camera supports severity assessment and type classification of partial discharge(PD) issues.

Under leak mode, the camera supports quantify leak rate and cost of industrial gas and compressed air leaks.

The camera supports automatic frequency tuning, 7 hours operation time with one battery, 8x zoom, IP54 rating and real sound field functions.

### Key Features

- 128 Low-noise MEMS microphones
- 1000 nits Screen
- 13MP color digital camera
- 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



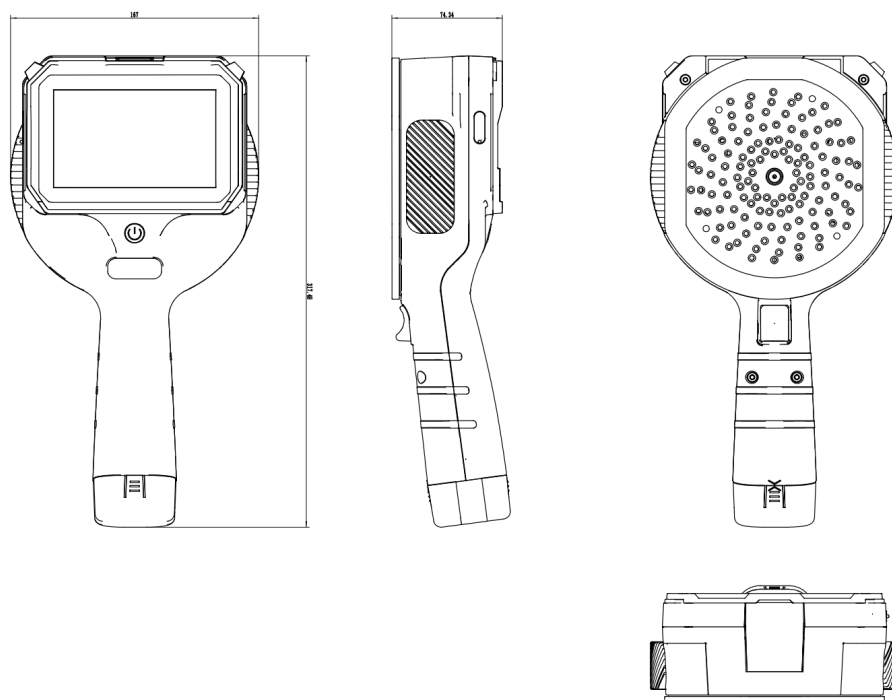
## ■ Specification

<b>Model</b>	<b>HZ-HA-171p</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
Frequency Bandwidth	Auto, Low, Medium, High, Ultra
Microphone Self-diagnosis	Support
<b>General</b>	
Camera	13MP
FOV	75°
Low Lux	0.5Lux/F2.0
Photo Image Resolution	4K,1080P
Digital Zoom	8x
Video Image Resolution	1920*1080
Storage	Internal 64GB
Video record	5min
Display	1280*720 RGB * 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	317.5mm* 167mm* 74.35mm
Working Temperature Range	-20℃ ~ 50 ℃
Storage Temperature Range	-30℃ ~ 60 ℃
Humidity	10% -95%
<b>Applications</b>	
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

## ■ Available model

HZ-HA-171p

## ■ Dimension



## ■ Packaging list

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

## ■ Notes

Parameters are subject to change, please refer to Hertzinnno's official announcement.  
Hertzinnno reserves the right of final explanation for any changes.

