



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HZ-HA-170P 138 Channel Acoustic imaging camera (Atex, 4 Hour Battery, 13MP)

The HZ-HA-170P is an Industrial Acoustic Imaging Camera for Partial Discharge Detection, Gas leak Detection, Mechanical Fault Detection with ATEX certificated.

The camera is the latest industrial camera equipped with 138 Channel MEMS microphones. It helps you to reduce maintenance costs for electrical equipment by offering an effective solution for partial discharge (PD) faults detection, SF6 leak detection and mechanical fault detection.

It detects, locates, classifies PD faults in-camera and PC software.

This is a 3 in 1 function camera and 4 hours battery life for a full day inspection work.

Projects

Repairs

Services

Training

Products



Features:

- **Cost-Effectiveness:** The partial discharge and gas leak detection functions in a single device allows for the detection of partial discharge, gas leak and bearing faults.
- **Professional Technology:** Relies on a world-class acoustics team and acoustic research institutions, more stable imaging effects and higher sensitivity in imaging performance.
- **User-Friendly:** Designed for single-hand handheld use, with a simple and understandable user interface, support automatic tuning for different applications.
- **AI-Powered:** The acoustic camera built-in AI analysis capabilities, assisting engineers in analyzing PD types, gas leakage amounts and other information.
- **Atex:** Anti-explosion, Ex ib IIIC T80°C Db

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TECHNICAL SPECIFICATIONS

• Microphones	138 Microphones
• Dynamic Range of Camera	-30dB ~ 120dB
• Operating Distance	0.3m ~ 200m
• Horizontal Spatial Resolution	150mm
• Dynamic Range of multiple targets	0 ~ 18dB
• Frequency Bandwidth	Low, Medium, High, Ultra
• Microphone Self-diagnosis	Support
• Camera	13MP
• FOV of Camera	75°
• Low Lux	0.5Lux/F2.0
• Photo Image Resolution	4K (3840x2160)
• Digital Zoom	8x
• Video Image Resolution	1920x1080 @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
• Anti-explosion	Ex ib IIIC T80°C Db
• Weight	Approx. 1100g
• Dimension	342.5mm x 167mm x 89.9mm
• Working Temperature Range	-20°C ~ 50 °C
• Storage Temperature Range	-30°C ~ 60 °C
• Humidity	10% -95%
• Applications	-40°C ~ 85 °C
• Humidity	10% -85%
• Annotations	Yes
• Application Scenarios	Partial discharge/Gas leakage/Vibration
• Partial Discharge Type Prediction	Corona/Floating/Surface/Noise
• Gas Leakage Value Calculation	Yes
• Analysis Software	PC/Private Cloud
• Thermal Sensor	NA
• Included	Carrying Case, Accessory kit User Manual, Factory test report

