HIKMICRO

AI SERIES

For Finding Compressed Gas Leaks
And Detecting Partial Discharge

Easy To Use

🍃 Light Weight   ✋ Push-button Control   ⇅ Interchangeable Batteries

♺ One-handed   🔋 Better Heat Removal

High Efficiency

- Real-time Display Of Leakage Data

- Smart Partial Discharge Detection

- Quickly Generate Reports with Analyzer Acoustic

Compared with the traditional gas leak and partial discharge detection tools, an acoustic imaging camera typically provide a 90% reduction in inspection time, also relatively easy to learn.

APPLICATIONS

Gas Leak Detection

The HIKMICRO AI series offers real-time estimated leak rate, leak cost for gas leak detection. AI series can filter noise to "visualize" sound with a large 4.3" LCD touch screen even in noisy environments.

Partial Discharge Detection

When placed in Partial Discharge mode, the AI series identifies corona, floating, surface, or particle discharge on high voltage systems that can lead to equipment failure. This is instantly displayed onscreen and can be saved for documentation and reporting.
(*AI56, AI76 only)
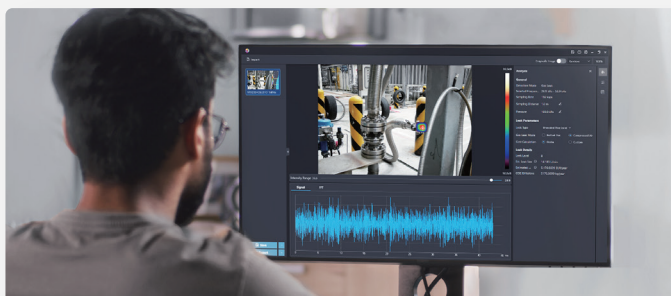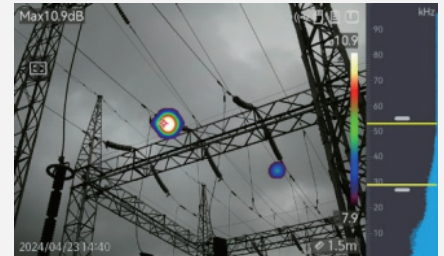
HIKMICRO Analyzer Acoustic

Software designed for acoustic imaging cameras, powerful and easy to use.

🔥 Gas Leak Analysis   ☑️ Quickly Generate Reports

🔲 Partial Discharge Analysis

Optional Accessory For AI76: Mini3R.

IR Resolution	384 × 288 (110,592 pixels)
Focus Mode	Manual Focus

Specifications	AI56	AI56L	AI76
Number of Microphones	64	64	136
Bandwidth	0 kHz to 96 kHz, adjustable range MEMS sampling frequency: 192 kHz		
Distance	0.3m~150m		
Camera FOV	50.2°× 35.4°		
Acoustic Image Resolution	800 × 480		
Leak Rate	>0.008 l/min @ 6 bar from 0.5 m (1.64 ft); >0.013 l/min @ 5 bar from 1 m (3.28 ft)		>0.0047 l/min @ 6 bar from 0.5 m (1.64 ft) >0.0073 l/min @ 5 bar from 1 m (3.28 ft)
Dynamic Range	Low Limit: <-15dB, High Limit: >120dB		
Discharge Detection	Automatic detection 50 / 60 Hz		
Discharge Type	Corona Discharge, Particle Discharge, Floating Discharge, Surface Discharge	NA	Corona Discharge, Particle Discharge, Floating Discharge, Surface Discharge
Display	800 × 480 Resolution, 4.3" LCD Touch Screen		
Digital Zoom	1.0x to 16.0x continuous		