



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

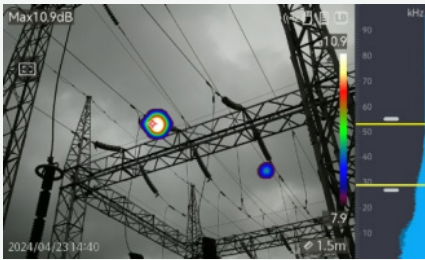
The HIKMICRO AI series offers real-time estimated leak rate, leak cost for gas leak detection. AI series can filter noise to “visualize” sound with a large 4.3" LCD touch screen even in noisy environments.



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	AI76
Number of Microphones	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	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	