HIKMICRO

AI SERIES

Advanced Ultrasound Localization System for Detecting Compressed Air Leaks with Precision and Reliability

Easy To Use

- Light Weight
- Push-button Control
- Interchangeable Batteries
- One-handed
- Better Heat Removal

High Efficiency

- Real-time Display Of Leakage Data
- Quickly Generate Reports with Analyzer Acoustic

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



APPLICATIONS--Gas Leak Detection







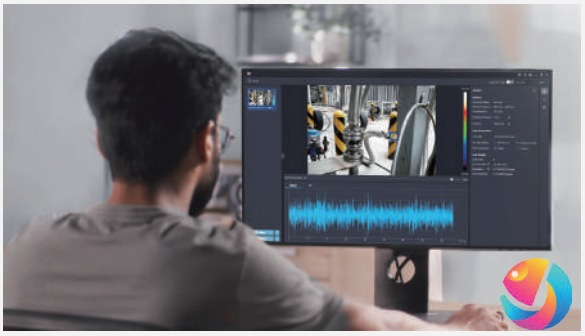
Low-noise MEMS microphones and adjustable bandwidth

With 64 Low-noise MEMS microphones and an adjustable bandwidth range from 2 kHz to 65 kHz.The AI56 provides an easy and effective way to locate gas leak detection, and locating partial discharge from high-voltage systems.

Real-time display of leakage data

The AI56 offers real-time estimated leak rate, leak cost, and leak level for gas leak detection. AI56 can filter noise to “visualize” sound with large 4.3" LCD touch screens even in noisy environments.





HIKMICRO Analyzer Acoustic

Analyzer Acoustic for PC is included at no additional cost or recurring fees. Simply import images from the camera to quantify issues, analyze field images, highlight concerns, and create reports for repairs, field audits, or energy rebate programs.

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)
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		