FOTRIC
Sense the Digital Future

TOP TECHNIKA POLSKA

mgr inż. Paweł Surmiak
tel. +48 508 051 377
biuro@toptechnikapolska.pl

Biuro: ul. Przanowskiego 83, 01-457 Warszawa
www.toptechnikapolska.pl

Empower Your Phone with Acoustic Vision

Light and Compact

64 Microphone Channels



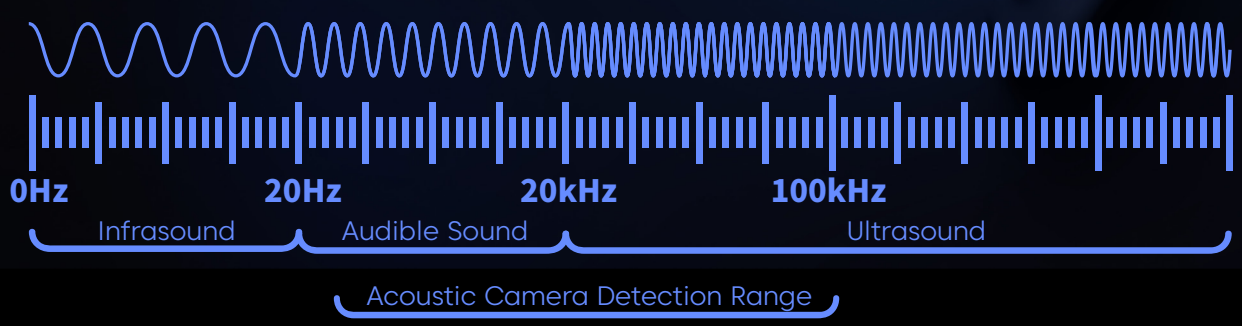
FOTRIC TD2e Geek

Smartphone Acoustic Imager

What is Acoustic Imaging?

Limitation of Human Perception

The human ear can only perceive sounds in the range of 20 Hz to 20 kHz. However, hidden faults such as gas leaks, bearing wear, and electrical discharges often emit much higher frequency ultrasound (>20 kHz) — sounds that are imperceptible to the human ear and beyond the capabilities of traditional stethoscopes or microphones.



Multi-Range Frequency Coverage, Unlocking Ultrasonic Waves Beyond Human Hearing

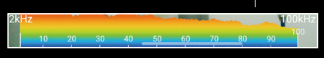
Supports flexible frequency switching for different equipment and conditions, enabling precise sound source detection while suppressing environmental noise for more accurate identification of gas leaks, partial discharge, and mechanical faults.



Ultrasound
20~50kHz

20–50 kHz

Effectively suppresses environmental noise, making it ideal for high-precision detection scenarios such as gas leaks and partial discharge.



2~100kHz
Full-Range Manual Frequency Adjustment

Audible Sound
2~20kHz

2–20 kHz

Ideal for mechanical fault diagnosis, equipment anomaly localization, and operating condition monitoring.

Professional Acoustic Imaging

64
Microphone channels

2k~100kHz
Frequency Range

15Hz
Frame Rate

58°*45°
Field of View

200kHz
Sampling Rate

0.3~60m
Working Distance



Acoustic Image Focus
Eliminate Background Noise Interference

Plug-in and Shoot

101*77*22mm
Size

200g
Weight

≥4h
Continuous Operation

Android
Platform

Instant Share
Available for Images, Videos and Reports

Ergonomic Handle
Come with anti-slip grip components

Video Recording
Support Image and Video Capture

Adjustable Frequency Range
Options include Audible, Ultrasound and Customize.



Applications



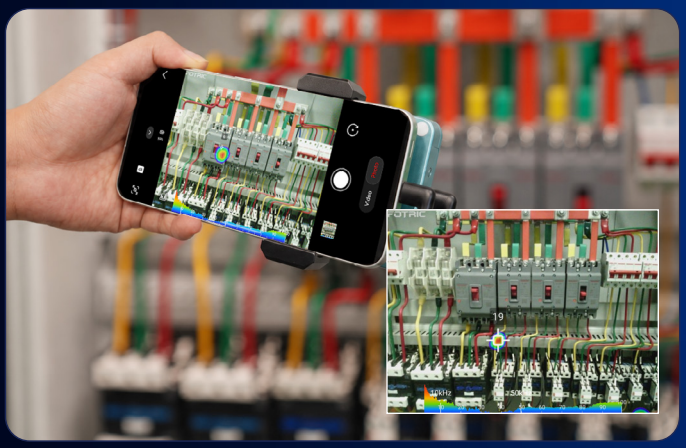
Compressed Air Leak/Vacuum Leak Inspection



HVAC Air Leak Inspection



Mechanical Equipment Fault Diagnosis



Partial Discharge Inspection



Manufacturing Line Quality Inspection



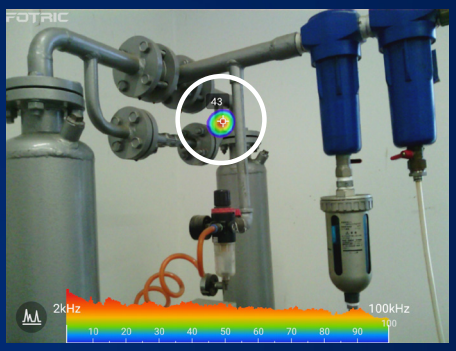
Vehicle Air Tightness Inspection

More Applications

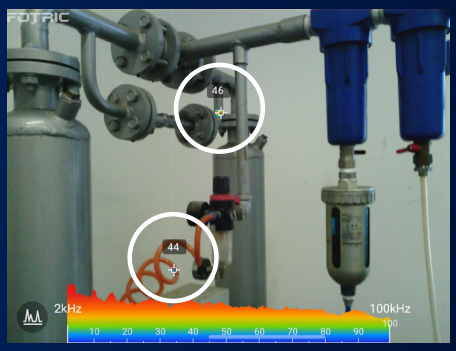
Scientific Laboratory, City Noise Monitoring, Animal Detection. Air Tightness Test, Industrial Site Noise Monitoring.

Multiple Image Modes

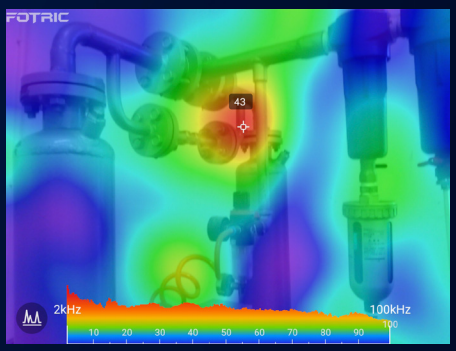
The imager supports multiple image modes, including single-source, multi-source, and holographic views, allowing users to adapt to varying noise complexities and detection targets on-site.



Single Source Mode



Multiple Source Mode



Hologram Mode

Specifications

Basic Parameters	
Microphone Channel	64
Field of View (FOV)	58° *45°
Localization Error	<0.05m@1m，40kHz
Sampling Rate	200kHz
Frame Rate	15Hz
Working Distance	0.3~60m

Measurement Analysis	
Frequency Range	2k~100kHz
Frequency Selection	Support manually filter frequency range

Image Display	
Display Mode	Single source, multi-source, hologram

Data Connection	
USB Interface	USB Type-C type；USB 2.0 compliant

Power System	
Battery	3.6V, 3200mAh rechargeable lithium battery
Battery Operation Time	Continuous work ⩾ 4h
Charging Method	Support USB direct charging

Reliability and Certificates	
Drop	Designed for 1m drop resistant

Physical Parameters	
Size	101mm*77mm*22mm
Weight	200g
Casting Material	Aluminum alloy

Warranty	
Warranty	1 year

Software	
Software	Download 'FOTRIC Manisen' or 'FOTRIC Genie' from Google Play Store

Product Configuration	
Standard Configuration	Main unit, USB Type-C cable, Quick start Manual, Magnetic ring, Ergonomic handle, Softbag, Package box.

FOTRIC

Sense the Digital Future

TOP TECHNIKA POLSKA

mgr inż. Paweł Surmiak
tel. +48 508 051 377
biuro@toptechnikapolska.pl

Biuro: ul. Przanowskiego 83, 01-457 Warszawa
www.toptechnikapolska.pl