

AIR132 Infrared Acoustic Camera

- The A128 acoustic camera uses a high-precision microphone array and ultrasonic sound source positioning technology.
- Combine with HD 640*480 IR detector with fusion imaging display acoustic and IR images together
- It displays the distribution status of sound sources in space, quickly identify Partial Discharge, Pressure gas leaks, Mechanical faults and improve inspection efficiency and maintenance times



SPECIFICATION

Model	AIR132
Acoustic Properties	
Number of Microphones	132 Low-noise MEMS microphones, real-time sound visualization
Dynamic Range	30~120dB
Sampling Rate	200KHz
Working Distance Range	0.5~120 meters
Bandwidth	2~100KHz
Minimum Frame Rate	30Fps
Mode	Gas mode/ Partial discharge mode/Intelligent Noise Cancellation mode/Thermal/Fusion
Infrared Camera	
IR Resolution	640*480
Temperature Range	-20℃~550℃
Accuracy/FOV/Frame Rate	±2℃ or ±2% /29°/30Fps
Max Measurement Distance	30m
Temperature Measurement Mode	Real-time 20 movable points, lines, area temperature measurement (maximum temperature, lowest temperature capture, average temperature measurement), full-screen maximum temperature and minimum temperature capture, isothermal analysis, temperature difference measurement, temperature alarm (sound, color)
Palettes	12 Palettes (Iron, White hot, Black hot, Rainbow, Arctic, Lava, etc.)
Visible Light Camera	
Digital Camera	5MP
Field of view (FOV)	62°×49°
Display	
Screen	5inch 800×480 LCD Touch screen
Image Mode	Acoustic and Visible Light Overlay
Sound Source Mode	Supports Single Source and Multi-Source Modes
Status Display	Sound Source Mode, dB Value, PRPD Diagram, Frequency Domain, Real time frequency Graph

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ACOUSTIC IMAGING CAMERA

SPECIFICATION

Image Storage and Transfer

Image Storage	Standard SD card 64G (maximum support 256G)
Image Browsing	Thumbnail View
Video Compression/Decompression	H.264 standard
Image Format	JPEG
Video Format	AVI
Comment	Text annotation, 60s Sound Annotation
GPS	Automatic GPS Image Tagging
Interfaces	USB Type-C, HDMI, SD card, WiFi, Bluetooth, 4G
Software	Professional management software, data export, one-click report generation, data browsing

Power Supply

Battery Type	Replaceable & Rechargeable Lithium Ion (7.2V 3400mAh 24.48Wh)
DC Operation	12V DC power supply(100V to 240V, 50/60Hz)
Battery Hours	Approximately 3 hours Continuous working Time (25°C ambient temperature)
Battery Charger	12V Charging dock for 2 battery charging, 2.5 hours charging time
Battery Management	Automatic shut-down

Environmental

Working Temperature	-20°C~50°C
Storage Temperature	-20°C~70°C
Humidity (Operating & Storage)	95% relative humidity
Vibration	2G/IEC 60068-2-6:1995
Shock	25G/IEC 60068-2-27:2008
Enclosure Rating	IP54

Physical Specification

Weight	≤1.5kg (With battery)
Dimensions	311×170×130mm
Package Includes	Acoustic camera, rechargeable lithium battery * 2, Charging Dock, power adapter, USB cable, TF card, Card reader, Packing list, Calibration Certificate, User manual, 2 Years Warranty card, Carry Case

