FIRA VISION

A128
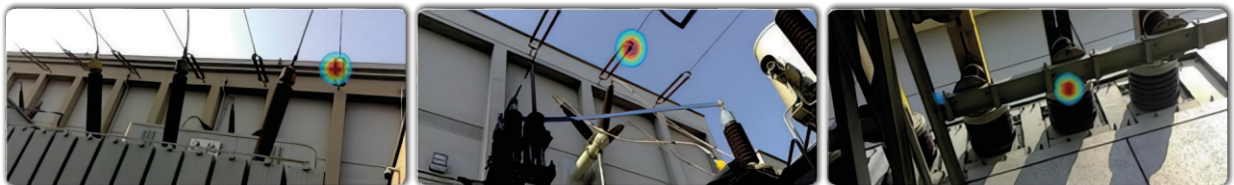### Acoustic Camera

- The A128 is a handheld acoustic imager

- It uses a high-precision microphone array and ultrasonic sound source positioning technology , through an imaging method of superimposing acoustic images and visible images.

- It displays the distribution status of sound sources in space ,in real time. It can quickly identify partial discharge points, gas leak points, and abnormal equipment noise points, and improve inspection efficiency and maintenance times in partial discharge and gas leaks

Easy to use: 5-inch touch screen, manually adjustable test frequency range, easy to operate

Safety: The equipment supports long-distance detection (beyond 40m), ensuring personnel safety without affecting the normal operation of the equipment

Accurate: eliminates low-frequency invalid noise interference, accurately captures subtle partial discharge and gas leak signals, and the positioning deviation is $\leqslant 1°$

Ultra-high bandwidth: Integrated highly sensitive ultrasonic acquisition sensor, capable of detecting ultrasonic signals up to 96KHz

Fast: quickly scan the target area and detect partial discharge, gas leaks and abnormal sound within one second

Reporting: Generate reports with one click, including intelligent assessment and diagnostic results

HANDHELD ACOUSTIC IMAGER

SPECIFICATION	
Model	A128
Acoustic Properties	
Number of Microphones	128 MEMS Digital Microphones
Dynamic Range	30~120dB
Sampling Rate	192KHz
Working Distance Range	5 ~120 meters
Bandwidth	2~96KHz
Minimum Frame Rate	25Fps
Visible Light Camera	
Digital Camera	5MP
Field of view (FOV)	62°×49°
Display	
Screen	5 inches, 800×480LCD
Image Mode	Acoustic and Visible Light Overlay
Sound Source Mode	Supports Single Source and Multi-Source Modes
Status Display	Battery power, SD Card Capacity, Sound Source Mode, dB Value, PRPD Diagram, Frequency Domain
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	Type-C, HDMI, SD card, WiFi, Bluetooth, 4G
Power Supply	
Battery Type	Replaceable & Rechargeable Lithium Ion
Battery Hours	Approximately 3 hours Continuous working Time (25°C ambient temperature)
Battery Charger	12V Charging Dock
Environmental	
Working Temperature	-20°C~50°C
Storage Temperature	-20°C~70°C
Humidity (Operating & Storage)	95% relative humidity
Enclosure Rating	IP54
Physical Specification	
Weight	≤1.5kg (With batteries)
Dimensions	311×170×130mm
Software	
Reporting Software	Professional management software, data export, one-click report generation, data browsing, equipment upgrade