

HZ-FA-371

Fixed Acoustic Imaging Camera



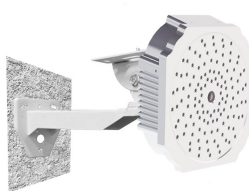
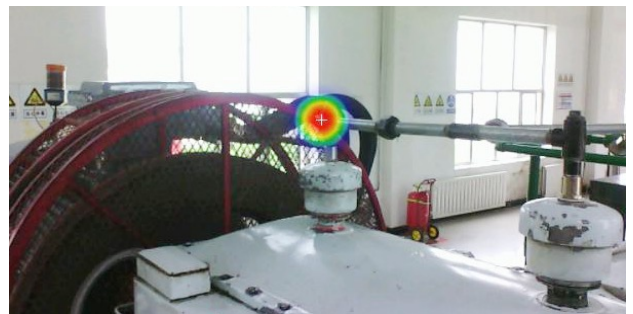
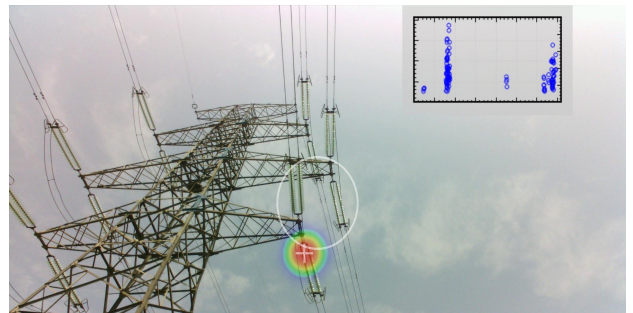
Key Feature

- 128 MEMS Microphones
- 2kHz ~ 65kHz detection
- Supports multiple source detection
- Real-time sound source localization
- Real-time partial discharge type prediction
- Real-time estimate gas leak rate, leak cost
- IP68

HZ-FA-371 is a high sensitivity acoustic imaging system specifically engineered for the detection of partial discharge issues in high-voltage electrical systems and gas leaks in compressed gas systems. Boasting an array of 128 MEMS microphones, this sophisticated system excels in detecting and quantifying various instances of partial discharge while also providing accurate estimations of gas leak rates and associated costs.

Covering audible and ultrasonic frequencies from 2kHz to 65kHz, it facilitates precise sound source localization for advanced diagnostics.

With high performance design, FA371 supports 7*24h monitoring and can be installed on robot or any fixed place.



■ Specification



Model	HZ-FA-371
Acoustic	
Microphones	128 channel MEMS microphones
Acoustic Image Resolution	800*480/1920*1080
Dynamic Range of Sensors	30dB ~ 120dB
Distance	0.3m ~ 50m (1ft - 164ft)
Bandwidth	2kHz ~ 65kHz
Sampling Rate	130kHz
Camera FOV	65°
Imaging Frame	25FPS
Focal Length	3.9mm
Microphone Self-diagnosis	Supports
General	
Encord	H.264
Video Resolution	2592*1944, 1920*1080, 1280*720, 720*480, 640*480
Video File Format	AVI
Transmission	RJ45
Power Supply	DC 12V/3A
Protection Level	IP68
Weight	Approx. 900g
Dimension	135mm* 171.43mm* 48mm
Working Temperature Range	-20°C ~ 70 °C
Storage Temperature Range	-30°C ~ 60 °C
Annotations	Supports
Application Scenarios	Partial discharge detection Air leakage detection.
Anti-explosion	ExibIICT6Gb:ExibIICT80°C Db
Stream Formats	RTSP
Leak Rate	>0.035 l/min (120KPa @0.3m) >0.067 l/min (300KPa @3m) >0.09 l/min (300KPa @5m)

■ Dimension

