CRYSOUND Elistrane

CRYSOUND IMAGER DATASHEET CRY2623



The CRYSOUND CRY2623 Industrial Acoustic Imager is easy to operate and can be used quickly. The device adopts the aluminum alloy shell, which is sturdy and durable, and can adapt to the complex and changeable working environment. Real-time sound image display, helping the detection of pressurized or vacuum leaks significantly faster compared to other previous methods.

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CRY2623 only needs to adjust the two parameters of the test frequency range and the test dynamic range to meet the vast majority of test requirements.

The device supports camera mode, video mode, and flexible on-site data recording. The large-capacity TF data storage card can be expanded, and the test results can be quickly exported and reported.

It can help enterprises to reduce losses caused by gas leakage, partial discharge and other accidents.

CRY2623 ACOUSTIC IMAGER

High-performance microphones for efficient detection

128 digital MEMS microphones can provide exceptionally high sensitivity, sound resolution and detection accuracy, real-time audio-visual display, anti-jamming, help detection.

Leakage assessment

By activating the leak measurement function, the camera continuously displays the amount of leaks and losses as well as the level of loss.

PD detection & PD type identification

Partial discharges can be detected before more serious faults would occur, even before a thermal camera would detect them.

Analytics and reports

Template-based processing and recording of data, waveforms,spectra,spectrograms is supported by CRYSOUND report analysis tool software, generating ISO 50001 compliant, editable protocols in Excel format.

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▲ Technical Specifications

Microphone array128 channels MEMS microphoneEffective test bandwidth2kHz-48kHzDynamic range0.5dB-12dB user adjustableTest sound pressure cevel range2s7-132.5dBAAuto max/min dB gainUser-settable, minimum test bandwidth 1kHzNumber of digits42bitSound image FOV62°Sound image FOV0.3m 120mDetect distances0.3m-120mDetect distances3.04mm fixed focal lengthCamera FOV62°Camera focal length3.04mm fixed focal lengthCamera focal length1024*600 (614,400 pixels)Size7 inchSize7 inchFouch screen100 spisle or multiple sourcesFouch screen9 diyustalePoton notes9 diyustaleFouraque10 screans any multiple sourcesFourage10 screans any multiple sourcesForage10 screans any multiple sourcesForage <th>Acoustic Specification</th> <th>1</th>	Acoustic Specification	1
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Power		
Battery capacity	1×6600mAH@7.2V Rechargeable battery and 1×external battery package, continuous	
Battery life	4+6 hours operation time	
Charger	USB Type-C port, USB PD protocol supported, 15W	
Power consumption	15W for battery charge; 29W for maximum power consumption	
Energy management	Sleep/Auto power off modes	
Interface		
USB 3.0 Ty	ype-C USB host port	
3.5mm ł	neadphone socket	
Operating Environment		
Operating environment	-20℃- +50℃, 10%-95% no condensation	
Storage temperature	-20°C - +60°C	
Charging temperature	10°C - +45°C	
General Specification		
Ingress Protection (IP)	IP54	
Size	272mm×174mm×42mm	
Weight	1.7kg	
Warranty	2 years	
Self-diagnostic notification	Array-health test function to identify when microphone array needs attention	
System	Linux system	
Certification	CE, FCC, RoHS-compliant, MSDS, CNEX, ATEX (under qualification.)	
Supported Language	e	
English, French, Chinese, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish		

Software	
Report types	Gas/Electricity, ISO 50001-compliant
Analysis	Waveform, Spectrum, Spectrogram, leakage assessment, discharge type discrimination

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