CRYSOUND

CRYSOUND IMAGER
DATASHEET CRY2620



CRY2620
ACOUSTIC IMAGER

The CRYSOUND CRY2620 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.

CRY2620 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.

High-performance microphones for efficient detection

64 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.

Analytics and reports

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

CRYSOUND

CRYSOUND IMAGER
DATASHEET CRY2620

▲Technical Specifications

Acoustic Specification	
Microphone array	64 channels MEMS microphone
Effective test bandwidth	2kHz-40kHz
Dynamic range	2dB-12dB user adjustable
Test sound pressure level range	28-120dBA
Auto max/min dB gain	User-settable minimum test bandwidth 1kHz
Number of digits	24bit
Sound image FOV	62°
Sound image frame rate	At least 25 FPS
Leak detection rate	10m 5bar 2.4ml/s 0.5m 5bar 1.2ml/s
Detect distances	0.5m-70m

Camera	
Camera FOV	62°
Camera focal length	3.04mm fixed focal length
Camera pixel	8 million pixel

Display	
Resolution	1024*600(614,400 pixels)
Size	7 inch
Touch screen	Capacitive touch screen
Brightness	Adjustable
Photo notes	Up to 5 photos notes for reference
Source	Show single or multiple sources
Standard palettes	3: Grayscale, Ironbow, Blue-Red
Playback function	View photos, videos anytime, and add notes or tags

Storage	
Internal storage	About 8G
External storage	TF memory card, at least 64G, expandable to 256G
Data storage format	.jpg (Picture),.mp4 (Video) and .wav(Recording)
Video length	5 minutes
Digital export	TF Card

Power	
Battery capacity	1x6600mAH@7.2V Rechargeable battery and 1xexternal 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 Type-C USB host port
3.5mm headphone socket

Operating Environment	
Operating environment	-20°C- +50° 10%-95%no condensation
Storage temperature	-20°C-+60°
Charging temperature	10°C-+45°C

General Specification	
Ingress Protection (IP)	IP54
Size	272mmx174mmx42mm
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

Supported Language
English, French, Chinese, German, Italian,Japanese, Korean Norwegian, Polish, Portuguese Russian, Spanish, Swedish

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