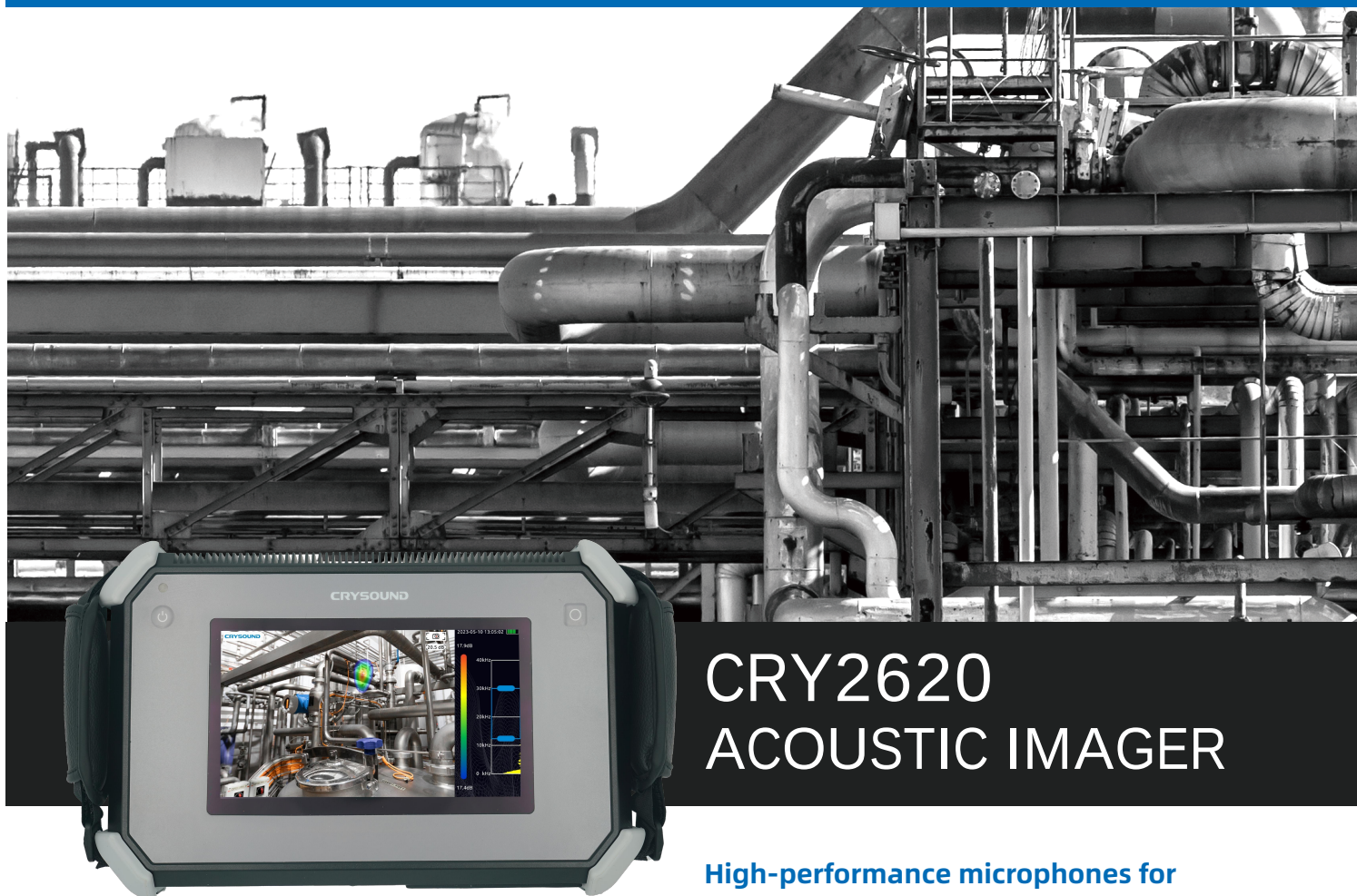




CRY2620 ACOUSTIC IMAGER

The 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, spectra, spectrograms is supported by CRY2620 report analysis tool software, generating ISO 50001 compliant, editable protocols in Excel format.

▲ Technical Specifications

Acoustic Specification

Microphone array	64 channels MEMS microphone
Effective test bandwidth	2kHz-40kHz
Dynamic range	0.5dB-12dB user adjustable
Test sound pressure level range	28-120dBA
threshold values	-40dB~100dB
Number of digits	24bit
Sound image FOV	62°
Sound image frame rate	25 FPS
Leak detection rate	10m 5bar 4ml/s 0.5m 5bar 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	8G
External storage	TF memory card, 64G, expandable to 256G
Data storage format	.jpg (Picture) , .mp4 (Video) and .wav (Audio)
Video length	5 minutes
Digital export	TF Card

Power

Battery capacity	1×6600mAh@7.2V Rechargeable battery
Battery life	4.5 hours operation time
Charger	USB Type-C port, USB PD protocol supported, 15W
Power consumption	15W for battery charge ; 2 9W 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°C , 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
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System	Linux system
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Certification	CE, FCC, RoHS-compliant
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Supported Language

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

Software

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