CRYSOUND



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.

IRYSOUND

▲ Technical Specifications

Microphone array64 channels MEMS microphoneEffective test bandwidth2kHz-40kHzDynamic range2dB-12dB user adjustableTest sound pressure level range28-120dBAAuto max/min dB gainUser-settable minimum test bandwidth 1kHzNumber of digits24bitSound image FOV62°Sound image frame rateAt least 25 FPSLeak detection rate10m 5bar 2.4ml/s 0.5m 5bar 1.2ml/sDetect distances0.5m-70mCameraCamera FOV62°Camera focal length3.04mm fixed focal lengthCamera pixel8 million pixelDisplayResolution1024*600(614,400 pixels)Size7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notesUp to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsStorageIronbow, Blue-RedExternal storageAbout 8GExternal storageAbout 8GExternal storageFremony card, at least 64G, expandable to 256GData storage formatJipg (Picture),.mp4 (Video) and .wav(Recording)Video length5 minutesDigital exportTF Card	Acoustic Specification	
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 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 Jipg (Picture), mp4 (Video) and .wav(Recording) Video length 5 minutes	Microphone array	64 channels MEMS microphone
Test sound pressure level range Auto max/min dB gain Number of digits Sound image FOV Sound image FOV Sound image frame rate Leak detection rate O.5m 5bar 2.4ml/s O.5m 5bar 1.2ml/s Detect distances O.5m-70m Camera Camera FOV Camera focal length Camera pixel B million pixel Display Resolution 1024*600(614,400 pixels) Size 7 inch 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 External storage About 8G External storage Data storage format Jipg (Picture), mp4 (Video) and .wav(Recording) Video length 5 minutes	Effective test bandwidth	2kHz-40kHz
Level range Auto max/min dB gain Number of digits Sound image FOV Sound image FOV 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 FOV 62° Camera focal length 3.04mm fixed focal length Camera pixel 8 million pixel Display Resolution 1024*600(614,400 pixels) 7 inch Touch screen Brightness Adjustable Photo notes Up to 5 photos notes for reference Source Show single or multiple sources Standard palettes 7 inch Size and add notes or tags Storage Internal storage External storage About 8G External storage Data storage format Jipg (Picture),.mp4 (Video) and .wav(Recording) Video length 5 minutes	Dynamic range	2dB-12dB user adjustable
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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 Ty	ype-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	n	
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	

Supported Language

System Certification

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

Linux system

CE,FCC, RoHS-compliant

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