



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 ; 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

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|-----------------------|--|
| 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 |
| System | Linux system |
| Certification | CE, FCC, RoHS-compliant |

Supported Language

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

Software

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