

CRY8024 Pocket Acoustic Imaging Camera

Visualize Sound. Stop Leaks. Prevent Downtime.

Introduction

The CRYSOUND CRY8024 Pocket Acoustic Imaging Camera makes the invisible audible—turning sound into vision through advanced acoustic imaging technology. It helps industries detect problems earlier, reduce energy loss, and ensure safer operations.

As the smallest and lightest acoustic camera in its class, the CRY8024 integrates high-sensitivity array sensing, real-time imaging, and intelligent analysis into a compact handheld device.

Users can quickly identify compressed-air leaks, partial discharges, and other anomalies, and generate standardized inspection reports effortlessly via mobile app.

As a key member of the CRYSOUND acoustic inspection family, the CRY8024 embodies the concept of a “pocket-sized acoustic imaging camera”—redefining efficiency and mobility in industrial inspection.

Features

- Lightweight, Pocket-portable and Reliable
- Real time far-field sound source localization and visualization
- Leak detection, partial discharge detection, car repairing, and HVAC maintenance
- Inspection report generating via mobile app

Highlights

- **Ultra-portable, Field-ready**

  Pocket-sized form factor for daily inspections in tight or elevated spaces.

- **Non-contact and Fast**

  Quickly locate sound sources compared with soap tests or manual ultrasonic probes.

- **Auto Frequency Range Selection, Zero Learning Curve**

  Simplified interface with Auto frequency range selection. Operates like a smartphone — easy to learn, quick to depl oy, ideal for fleet-wide inspections with lower total cost of ownership.

- **See, Save, Share — Instantly**

  Create a WLAN hotspot and use your phone to view, dow nload, and share results on site.

- **Rugged You Can Trust**

  IP54 protection and 1.5 m drop-tested for harsh industrial environments.

- **Lower Total Cost of Ownership — Clear ROI for Fleet Deployment**

  Lower total cost of ownership, designed for one-per-person deployment across large inspection teams. Smartphone-like workflow helps reduce training time.

Specifications

Acoustic Parameters

Mic Array	64 channels
Frequency	2k ~ 65k Hz
SPL	28 ~ 132 dB
Dynamic Range	Up to 12 dB
Distance	0.3 ~ 120 m

Camera

FOV	66° (H) × 52° (V)
Resolution	5M pixels
Focal length	2.26 mm
Autofocus	Yes
LED Light	Yes

Display

Resolution	800 × 480
Size	4.3 inches
Screen	Capacitive touchscreen
Brightness	Max 400 nits, support adjustment

Storage

Storage Capacity	32G (internal)
Storage Format	.jpg (picture), .mp4 (video), .wav (audio), .cdat (data)
Video Length	Maximum 5 minutes
Data Export	USB-C and Wi-Fi

Basic Parameters

Size	150 × 83 × 27.5 mm / 5.91 × 3.27 × 1.08 inches
Weight	270 g / 0.595 lbs
Wi-Fi	802.11a/b/g/n/ac
Bluetooth	BT 5.2
Battery	3.85 V, 3900 mAh
Power Supply	9 V DC/1 A (Charging via USB-C)
Battery Operating Time	Up to 4 hours
IP Rate	IP54
Operating Temperature	-10 to +50 ℃
Storage Temperature	-20 to +55 ℃
Operating Humidity	10 ~ 95 % non-condensing

Software

Features	Sound visualization and localization, Gas Leak detection, Partial discharge detection, Photos and videos recording, Automatic or manual frequency filter

Hardware Ports

USB-C	1 x USB3.0 - for charging, HDMI, data export, and headphone output

Language

Language	Chinese, English, Korean, French, Japanese, Russian, German, Italian, etc.