



# CRY8024 Pocket Acoustic Imaging Camera

Visualize Sound. Stop Leaks. Prevent Downtime.

## Introduction

The CRY SOUND 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 CRY SOUND 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 deploy, 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, download, 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-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 /<br>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 °C                                     |
| Storage Temperature    | -20 to +55 °C                                     |
| 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 × USB3.0 - for charging, HDMI, data export, and headphone output |
|-------|--------------------------------------------------------------------|

### Language

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

