sound polaroid

What if a microphone could take pictures?

WHAT IS SOUND POLAROID?

Sound Polaroid captures 10 seconds of audio from the surroundings, analyses it using machine learning models in the cloud, and generates a unique visual representation.

The result is printed on a thermal printer as a lasting memento of place and time.

It is portable device that listens to the world, understands its soundscape and turns it into a visual souvenir.

HOW IT WORKS

1. CAPTURE
Press to record 10 seconds of sound.

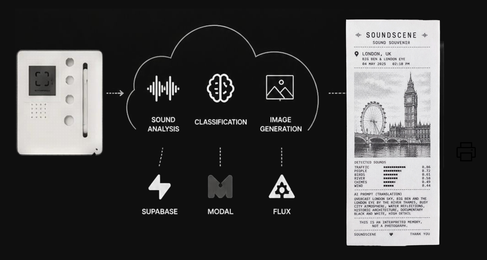
2. UPLOAD
Audio is securely uploaded to the cloud.

3. ANALYSE
Machine learning analyses and classifies audio.

4. GENERATE
A unique visual representation is created.

5. PRINT
Thermal print of your sound souvenir.

CLOUD ARCHITECTURE



USE CASE

1. Sound to Souvenir
2. Birds detect through sound
3. Speech to notes

ESP32-S3

Powerful microcontroller with Wi-Fi + BLE, dual USB-C ports for power and data.

INMP441 MICROPHONE

High quality digital MEMS microphone for accurate audio capture.

M0X2 Printer

A portable printer with thermal printing technology for soundprints

Cloud Services of AI

Cloudfare flux ai, Modal for audio classification, Vercel for deployment.

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