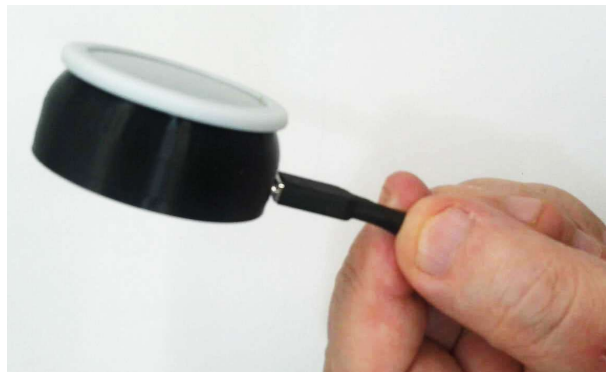




Sound has been used for diagnostic of health, inspection of building defect, detection of piping water leak, and so on.

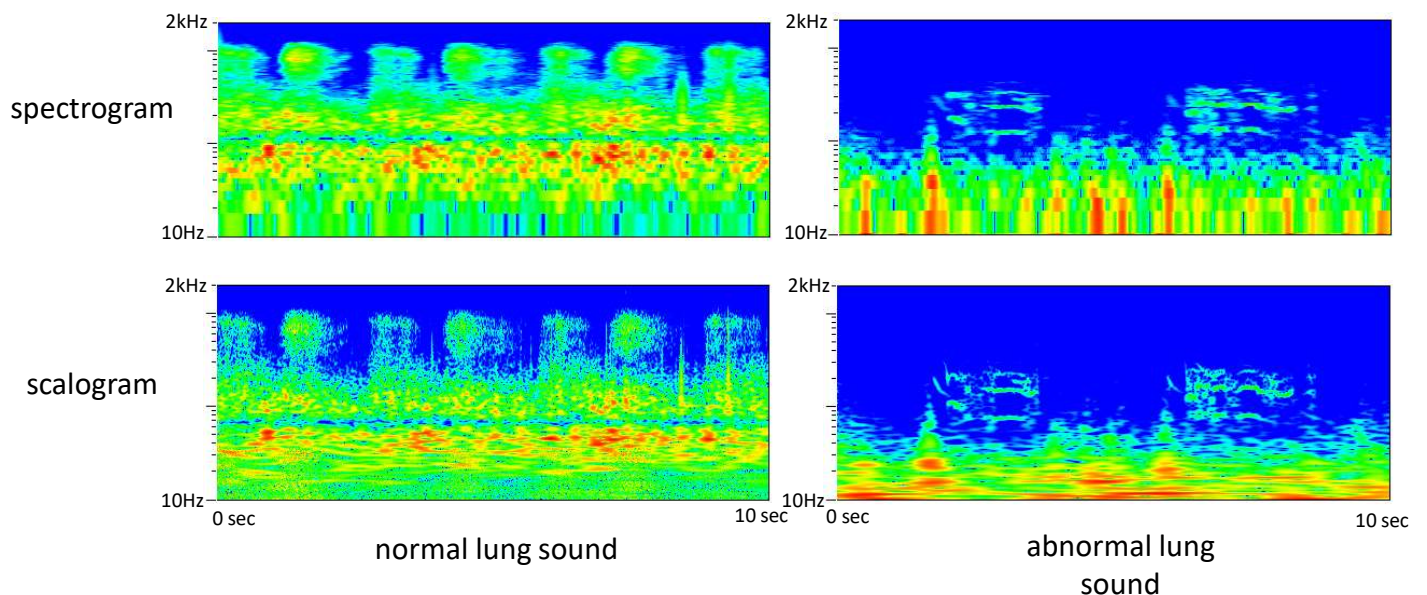
SonicAnalyzer is a Windows application to analyze sound at frequencies between 10 Hz and 20 kHz. Its visualization, analysis, and customizable database will strongly support these diagnostic and inspection.

USB audio interface (16bit 48kHz) and state-of-art high-sensitive and low-noise microphone (patent pending) are supplied with SonicAnalyzer.



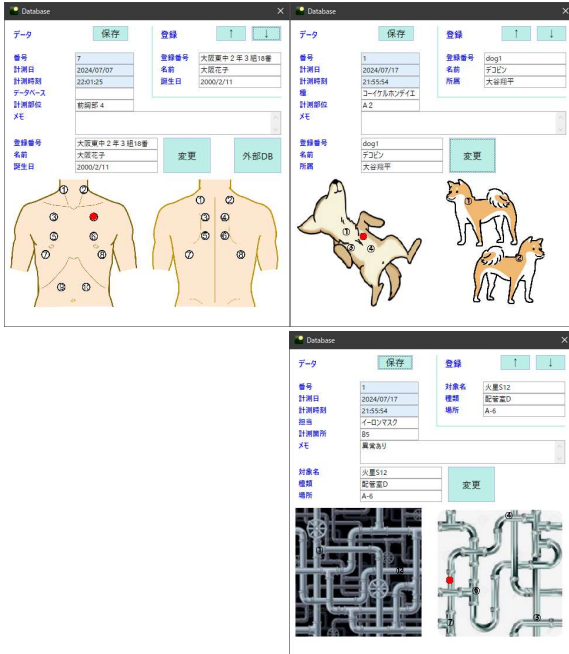
Visualization of Sound

Sound visualization is supported by usual spectrogram, and continuous scalogram which has higher resolution.



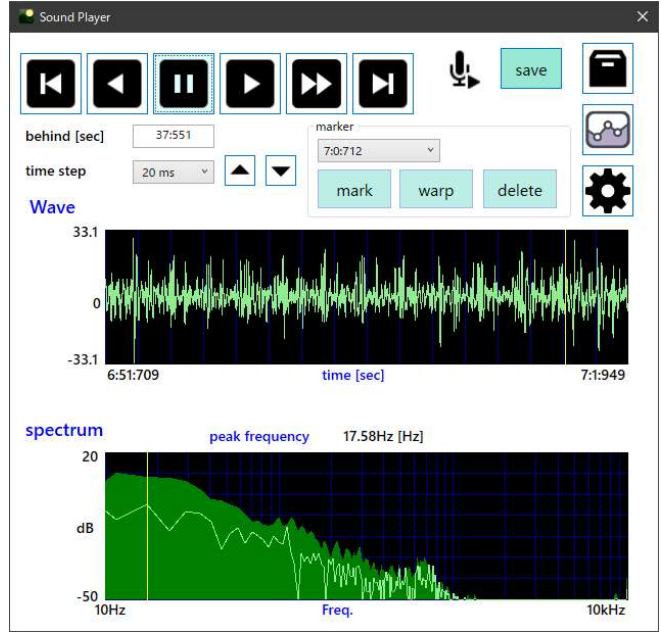
Customizable Database

Database can be designed freely.



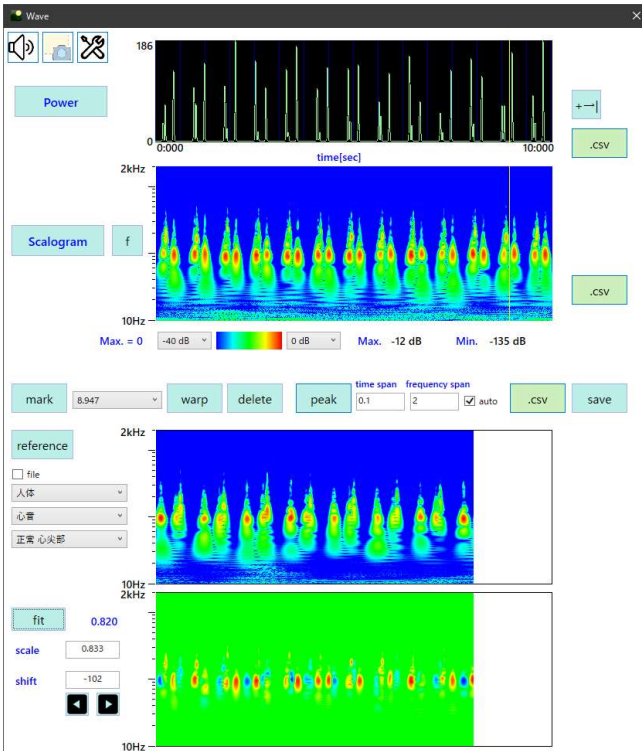
Playback-supported Audio Player

The past sound can be heard and plotted.



Sound Analysis

Visualized sound can be compared by a reference sound, which can be old own data or around 100 typical cases. The compared difference is shown from the reference adjusted by the shift and stretch of time.



Custom-made Audio Filter

Sound can be heard through audio filter. Custom-made filter can be designed by multiple cascade of 9 filter elements, low-pass filter, high-pass filter, and so on. The filter effect can be plotted and confirmed by music and white noise.

