AWA6280 Acoustic imaging camera

1. Overview

The AWA6280 Acoustic imaging camera is an acoustic instrument used to detect and locate sound signal sources. It can detect leaks in compressed air, compressed gas, and vacuum systems, as well as troubleshoot discharge and leakage points.

The 6280 has an acoustic sensor array that can match sound source heat maps with photographic images, mark leak locations in the images, locate problem points, capture and save images and video files for inspection records.

2. Performance indicators

1) Microphone: 64 MEMS digital microphones form an array for accurate positioning;

2) Effective detection distance: 0.3 m~100 m;

3) Frequency range: 2.5 kHz~65 kHz, real-time adjustable, minimum test bandwidth of 5 kHz, maximum test bandwidth up to 25 kHz, can save the current test bandwidth preset and call at any time;

4) Test effective sound pressure level range: 30 dB~120 dB, instrument signal-to-noise ratio greater than 60 dB;

5) A/D bits: 24 bit resolution;

6) Sampling frequency: 4 kHz to 192 kHz;

7) Display: 7-inch LED display screen, resolution 1280 × 800;

8) Measurement functions: ultrasound imaging, leak detection;

9) Shooting function: capable of taking photos and videos; Images can be in JPG or PNG format; Recording videos only supports MP4 format, 25 FPS, and a

maximum recording time of 5 minutes;

10) Data storage: Supports up to 64GB external TF card;

11) Power supply: Equipped with a built-in lithium battery, the instrument comes standard with a 33 W (fast charging) charger, which can be fully charged in 4 hours. The instrument's power indicator light is red when charging and blue when fully charged. When fully charged, it can work continuously for more than 5 hours, meeting most usage scenarios.

12) Working temperature:- 10 ℃~50 ℃

13) Working humidity: 0% RH~90% RH

14) Dimensions (mm): 285 × 170 × 60

15) Weight: Approximately 1.6 kg.

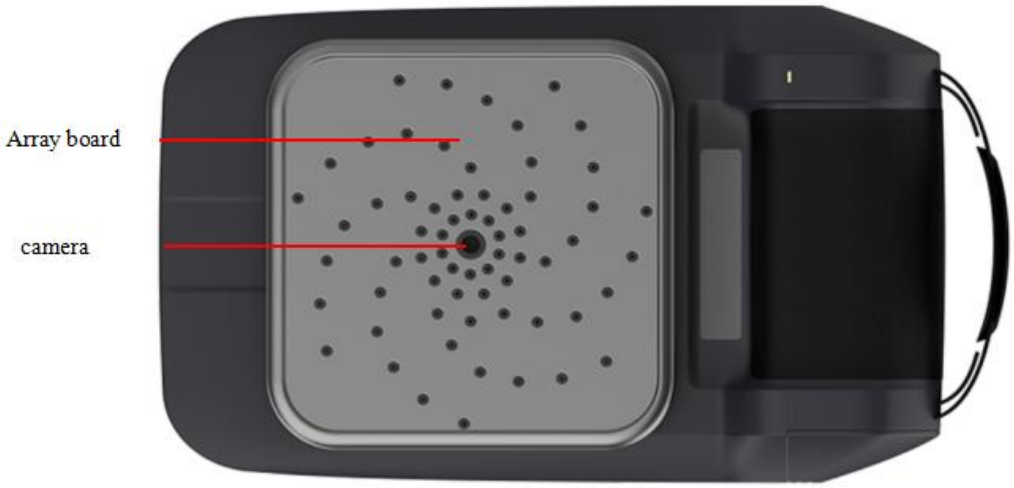
Note: Only the standard charger can be used for charging, and it is not recommended to use it while charging.

3. Structural features

3.1. Front and back panels

1) Power on/off button: Press the power on/off button for 2 seconds to turn on the instrument. It takes about 30 seconds for the instrument to start. When the instrument is turned on, press the power on/off button to prompt "Are you sure you want to turn off the instrument?" Select "Cancel" to not turn off the instrument, or select "Turn off" to turn off the instrument;

2) Function key: Press the function key to take pictures/videos.



1) Array board: 64 MEMS microphones are arranged on the array board, please do not poke the microphones;

2) Camera: Used for capturing images and videos, be careful not to bump and keep it clean.