9050 UltraVision

A Picture is Worth a Thousand Words

TPI Presents the UltraVision acoustic imager. Visually identify issues before they become costly.

Quickly and Visually Identify:
1. Bad Rolling Element Bearings and Lubrication Problems.
2. Electrical Panel and wiring connection issues.
3. Air, Steam, Vacuum, and Gas Leaks with an immediate estimate of the annual cost of the leak.

- As easy to use as taking a picture
- Problem Areas – Visually Identified as One Views the Screen
- Minimal Training
- The Most Cost Effective Solution that Quickly and Accurately Identifies the Problem Source and Location

Applications

Petrochemical – Leak detection of process gases

Natural Gas – Detect natural gas and nitrogen leaks

Metallurgical Industry – Locate air, nitrogen, oxygen, and carbon dioxide leaks

Power Generation – Find steam, hydrogen, and ammonia leaks

Partial Discharge Detection – Test live circuits for partial discharge

Automotive – Detect sounds generated irregular vibration

Electrical – Detect abnormal circuit noise and vibration from components like capacitors, inductors, and transformers.

Specifications

Microphone array

Microphone array:	128 channels MEMS microphone
Effective test bandwidth:	2kHz-48kHz
Sound image FOV:	62°
Sound image frame rate:	at least 25 FPS
Test sound pressure level range:	30dB-120dB
Leak detection rate:	10m 5bar 0.92ml/s
	0.5m 5bar 0.55ml/s
Test Distance:	0.3m-120m

Camera

Camera FOV:	62°
Camera focal length:	3.04mm fixed focal length
Camera pixel:	8million pixel

Display

Resolution:	1024*600
Size:	7 inch
Touch screen:	Capacitive touch screen
Brightness:	Adjustable

Storage

Internal storage:	about 8G
External storage:	expand TF memory card, at least 64G
Data storage format:	.jpg picture and .MP4 (video)

Battery

Battery capacity:	6600mAH@7.2V
Battery life:	about 4 h under full load state
Charge:	USB Type-C port,USB PD protocol supported
Power consumption:	15W for battery charge; 29W for maximum power consumption

Operating environment

Operating environment:	-20°C – +50v°C,10% – 95% no condensation
Storage temperature:	-20°C – +60°C
Charging temperature:	10°C – +45°C

Mechanical

Size:	272mmx174mmx42mm
Weight:	1.7kg

Interface

USB 3.0 Type-C USB host port
3.5mm headphone socket

Test the TPI Advantage: Value, Performance, Service, Safety