

Real-Time Noise Source Localization

The **Nor848B Acoustic Camera** uses advanced beamforming to visualize and locate sound sources instantly. Developed for **industrial diagnostics, automotive testing, and building façade leak detection**, it helps engineers identify and solve acoustic problems in seconds.

Instrument Highlights

- Modular array sizes: from **0.4 m up to 1.46 m** diameter
- Configurable microphone channels: **128 up to 384**
- Frequency range (microphones): **100 Hz – 20 kHz**
- HexTile extension frequency range: **410 Hz – 20 kHz**
- LF Mode (Low-Frequency Mode): **120 Hz – 1 kHz**
- 24-bit digital acquisition, 48 kHz sampling per channel
- Real-time beamforming and cross-spectral analysis (narrowband / 1/3-octave)
- Video overlay synchronization — acoustic images displayed live over the video feed
- Plug-and-play USB 3.0 / Ethernet connection with automatic recognition and calibration
- **Exceptionally friendly UI** designed for fast learning and easy operation

Full Raw Data Capture

If you're not sure what to focus on during the first pass, the system records **all raw data**. You can always **post-process later** — adjust frequency bands, time windows, or algorithms to refine results without re-measuring.

Applications

- Industrial noise diagnostics – fans, pumps, compressors, HVAC systems
- Building façade and leak detection
- Automotive and transportation pass-by testing
- Product R&D, prototype benchmarking, and validation
- Commissioning reports with visual proof of results

Workflow

1. **Capture:** Record synchronized sound pressure and video data.
2. **Analyze:** Beamforming produces intensity maps (narrowband or 1/3-octave).
3. **Evaluate:** Identify hotspots and compare spectra instantly.
4. **Report:** Export annotated images and videos for documentation and clients.

Regional Focus — United Arab Emirates: Used by consulting firms in *Dubai* and *Abu Dhabi* for **façade leak detection** and **plant noise localization**, with **same-day support** from Norsonic Asia's regional engineers.



Why Norsonic Asia

- Local training and setup assistance across Asia and the Middle East
- Guidance from experienced building acoustics and industrial diagnostics specialists
- Fast service and direct consultation within the same time zone

Contact

Norsonic Asia Co., Ltd.

Grace Global Raffles, 137 Market Street, #04-01

Singapore 048943

Email: info@norsonic.asia

WhatsApp / Phone: +66 850 638 045