

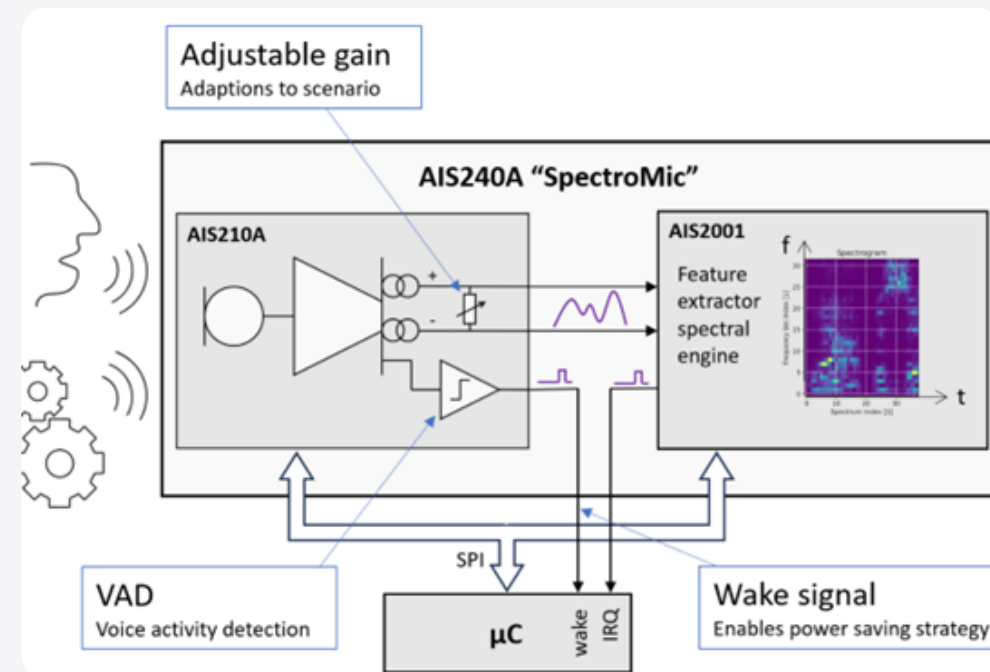
Every 7 seconds, a sound signals a potential accident, intrusion, or distress call.

AIStorm's sensors detect those sounds and trigger an event before systems—or people—can react

AIStorm.Ai

At AIStorm, we believe advanced technology shouldn't come at the cost of privacy or complexity.

That's why we created a sound detection solution that's both smart and simple—so events can be responded to when privacy and seconds matter.



www.AIStorm.ai



DON'T MISS AN EVENT

Reliable. Private. Instant.

Powered by SpectraMic, Sparrow and Monarch™
Edge AI Detection

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www.AIStorm.ai

AIStorm's Sound Detection Suite

AIStorm listens, analyzes, and responds right where sound happens. Our sensors process audio in hardware, not the cloud, so there's no recording, streaming, or delay — just instant awareness with microamp-level power.

While others waste energy digitizing and transmitting every sound, AIStorm acts locally and privately, delivering real-time intelligence built directly into the silicon.

Metric	AIStorm (Edge AI)	Traditional Digital Edge AI	Cloud-Based Systems AI
Privacy	✓ Local processing — no recording or upload	⚠ Data digitized, potential exposure	✗ Continuous recording & storage
Power Consumption	✓ 19 μ A standby/ <300 μ A active	⚠ 300uA-2mW	✗ 10 mA + network overhead
Latency	✓ Instant (hardware-level)	⚠ Milliseconds	✗ 100+ ms (network delay)
Connectivity Needed	✓ None	⚠ Occasional updates	✗ Constant internet
System Complexity	✓ 1 single dvice (SpectroMic)	⚠ Multiple ICs	✗ HW + Full cloud + App stack
Security Exposure	✓ Data never leaves the device	⚠ Local firmware risk	✗ Cloud breach potential

AIStorm - Hear What Matters

Applications



Anomaly Monitoring



Acoustic Event



Smart Devices



Wake Word



Security and Access Control



Healthcare and Safety

	Sparrow (AIS210A)	Monarch (AIS2001)	SpectroMic (AIS240A)
Function	MEMS mic incl. activity detect	Audio feature extractor	Integrated Solution (Sparrow + Monarch)
Current	18 μ A active	< 250 μ W active	19 μ A always listenng
Output	Audio Waveform/ Interrupt	Digital Spectrogram via SPI	SPI Spectral Data + 2 Interrupts
Supply Voltage	1.8 V	1.5 – 3.6 V	1.8 V
Package	3.5 × 2.7 mm	5 × 5 mm	5.4 × 5.4 mm