

AIO 2

Technical Specification

Detection Capabilities

Footsteps Detection	Up to 18m/60ft radius
Vehicle Detection	Up to 35m/115ft radius
Digging Detection	Up to 35m/115ft radius
Detection Zone	360° coverage

Communication

RF Frequency	433Mhz (Default), 868/915Mhz (Optional)
Network Protocol	LoRa (Long Range) low-power wide-area network
Transmission Range (Antenna 2cm below ground)	Up to 250m/820ft radius
Transmission Range (Antenna 5cm above ground)	Up to 1Km/3,280ft radius

Environmental & Power

IP Rating	IP68 (MIL-STD 810G)
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Battery Life	Up to 1 year (rechargeable)

Physical Specifications

Dimensions (Sensor)	95mm x 70mm / 3.74" x 2.7"
Dimensions (Spike)	75mm / 2.95"
Weight	500g / 1.1lbs
Installation Depth	30-50cm / 11.8"-19.6"



Overview

AIO 2 is a wireless seismic sensor designed for tactical/mobile applications. It continuously monitors the area for patterns of footsteps, vehicles, and digging activity. Upon detection, it sends wireless alerts to a remote Hub, PC, or smartphone receiver.



Key Features

- UGS Covert wireless sensor
- MIL-STD 810G compliant
- LoRA network technology
- Maintenance-free, plug & play operation
- RoHS compliant

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