



Seismic Shield

Home Perimeter Security

Protect your home with invisible, underground surveillance.
Detect threats early, before they reach your doorstep.



99% Accuracy

Patent protected two layer holistic system combining underground sensors and AI camera verification. Ensures best of class performance



Invisible Protection

Underground seismic sensors maintaining your property's aesthetic and eliminate vandalism risk



Early Warning System

Detect threats while they're still in your yard - before they reach your door step, preventing dangerous encounters

How it Works?

Seismic Shield keeps your home safe with a simple, three-step process:



1

Seismic sensors detect any footsteps around the protected area, to provide early warning upon any intrusion

2

The relevant camera use AI analytics to classify if it is a threat of interest

3

Only verified threats trigger the alarm system, avoiding false alarms and face-to-face encounters with burglars



Wired vs. Wireless Layouts

Wired

Wireless

- Inside-property protection
- No trenching required, flexible and fast installation
- Detects anyone moving inside your property

Wired

- Full perimeter protection (invisible fence)
- Trenching required
- Detects sensor line crossing

Two-Layer Protection

Seismic Shield eliminates false alarms by combining the best of seismic detection and AI verification — so you only get alerts for real threats.

Seismic Sensor						
AI Camera	 Large Dog	 False Human Detection	 Human	 False Vehicle Detection	 False Human Detection	 Human
Verified Alarm						

"Reduces false alarms by over 90% compared to camera-only systems."

Supported Cameras

Seismic Shield include built-in support for the below vendors:



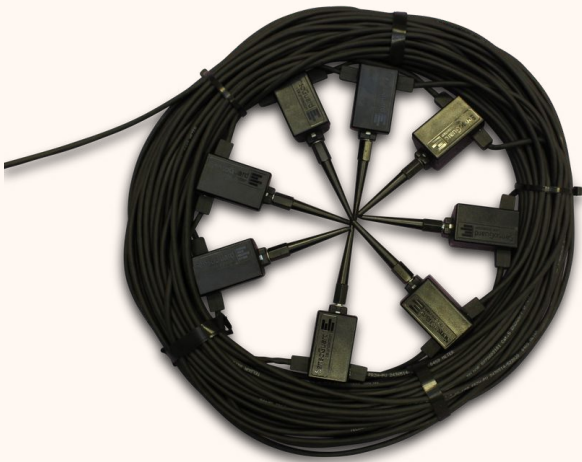
AIO X

Detection Range	Footsteps - Up to 12m/39ft radius Vehicle and Digging - Up to 25m/82ft radius
Detection Zone	360° coverage
RF (LoRA)	433Mhz (Default), 868/915Mhz (Optional)
Transmission Range	Antenna 2cm below ground - Up to 250m/820ft radius
IP Rating	IP68 (MIL-STD 810G)
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Battery	Non-rechargeable, 6 years
Dimensions	Sensor - 103mm × 103mm × 150mm / 4" × 4" × 5.9" Spike - 75mm / 2.95"
Weight	500g / 1.1lbs



Sensor Cable

Detection Range	Footsteps - Up to 12m/39ft radius Vehicle and Digging - Up to 25m/82ft radius
Virtual Fence Width	6m (Can be modified via sensitivity)
Bus Communication	RS485
IP Rating	IP68 (MIL-STD 810G)
Power	12V (9 to 20VDC), ~15mW (1.3mA @ 12V)
Dimensions	Sensor - 131mm × 50mm × 42mm / 5.1" × 1.96" × 1.65" Spike - 55mm / 2.16"
Weight (Each Sensor)	115g / 0.2lbs



HUB Unit

Specification	Wireless	Wired
RF (LoRA)	433Mhz (Default), 868/915Mhz (Optional)	-
Maximum Sensors	Up to 30 sensors	Up to 38 sensors
Alarm Output Options	18 Dry Contacts	
Camera/External Sensor Alarm Inputs	6 Alarm Inputs	
IP Rating	IP67	
Power Supply	12V (9 to 20VDC) + PoE to AI Bridge	
Operating Temperature	-40°C to 85°C / -40°F to 185°F	
Weight	475g / 1.0lbs	
Dimensions	190mm × 150mm × 55mm / 7.4" × 5.9" × 2.1"	

