

**INVISIBLE. UNSTOPPABLE.
IMMEDIATE RESPONSE.**

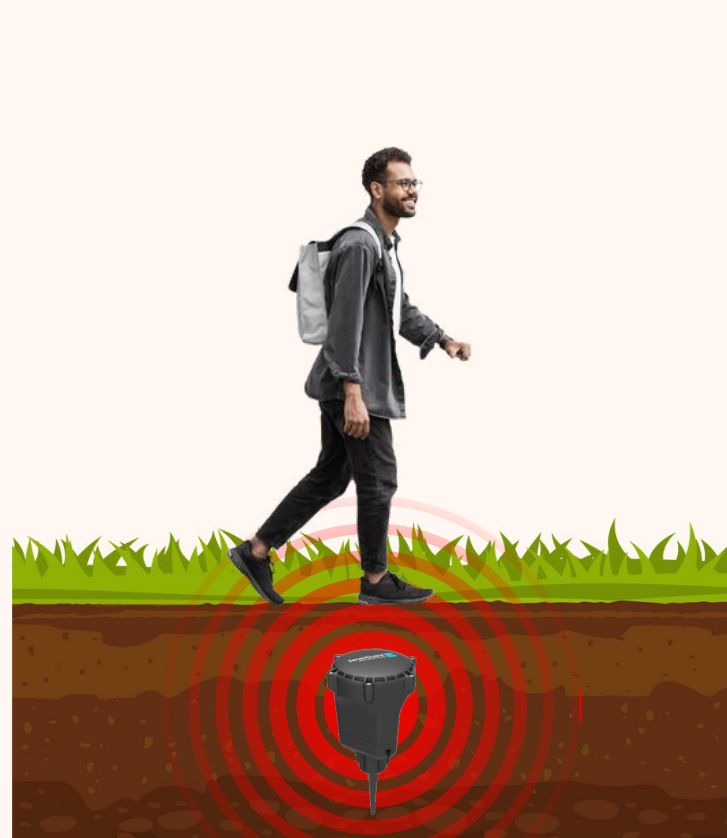
Seismic Shield Pro

Detect Intruders Before They Even Reach The
Fence - Day or Night, In Any Weather.

How it Works?

- 1** Detect – Buried sensors detect footsteps, vehicles, or digging – unaffected by weather, light, or visibility.
- 2** Verify – IDIS AI-powered PTZ camera automatically turns to the exact point of intrusion.
- 3** Track & Alert – AI-powered analytics identify and track the intruder in real time, reducing false alarms.

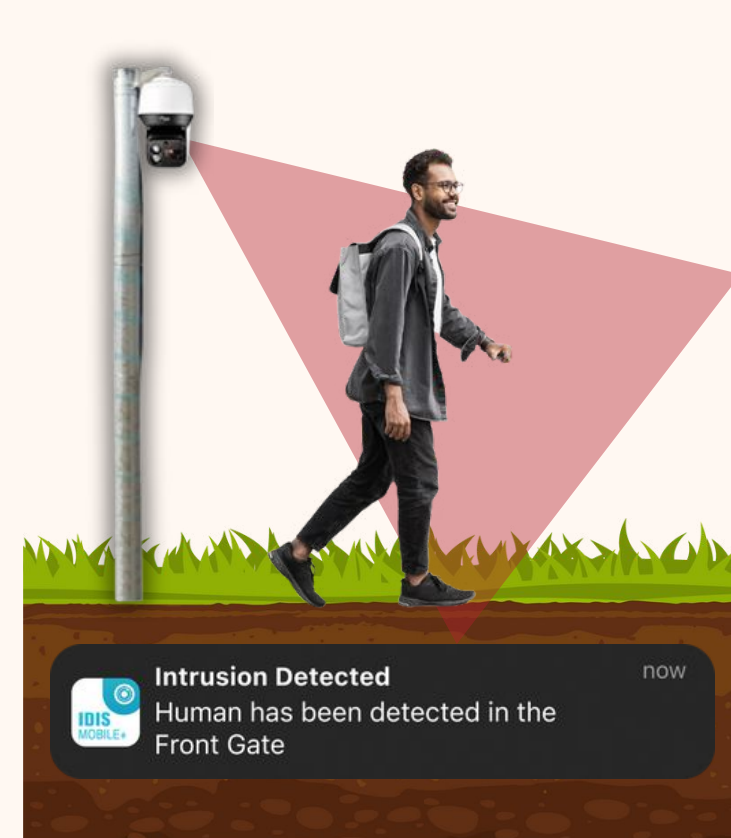
DETECT



VERIFY



TRACK & ALERT



Watch Seismic Shield Pro in Action

Watch how our underground sensors and AI cameras work together to detect and verify threats – in real time



The Covert Perimeter Security Handbook

Download The Covert Perimeter Security Handbook, a practical guide to underground and invisible intrusion detection systems.



System Components

Detection

Sensor Cable

The wired system provides the highest level of security around your perimeter, as it cover the entire perimeter and will detect any crossing attempt.



AIO XR

AIO XR sensor is an autonomous wireless seismic sensor installed as "mines" to protect critical points/access routes.



Verification
& Tracking

IDIS 4MP AI PTZ Camera (LightMaster NIR) 400m

The IDIS PTZ AI camera features automatic tracking based on pre-set events with the ability to track selected persons of interest or objects, enabling effortless and accurate surveillance operations to proactively strengthen security.



Alert

ISS VMS

ISS is a central management software solution that supports live monitoring, video Playback and more.



CCS-OnSite

SensoGuard CCS-OnSite is a sophisticated Command and Control Software, designed for real-time control, monitoring, and management of intrusion events.



Smartphone App

The SG-CCS Mobile Client App displays sensors locations and alarm notifications on Google Maps.



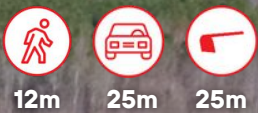
System Layout

IDIS PTZ Camera AI Speed Dome Camera

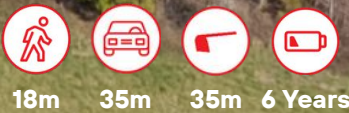
Made in **KOREA** **NDA**
Compliant



InvisiFence Plus Wired Sensor



AIO XR Wireless Sensor



Securing Archaeological Sites

How Seismic Shield Pro provided 24/7 protection for a multi square kilometer archaeological site.

Challenge

Preserving the Past, Defending Against Modern Threats

Archaeological sites are vulnerable from every angle, often in remote areas without fences or physical barriers. Robbers equipped with modern tools operate at night, targeting areas with valuable artifacts. Traditional surveillance is impractical and can harm the site's integrity.

Solution

Seismic Shield Pro: Invisible, All-Weather, 24/7 Protection

- 6 security zones, each with up to 30 AIO XR seismic sensors.
- AI-powered IDIS PTZ cameras mounted on solar-powered poles.
- Sensors detect footsteps, vehicles, and digging — unaffected by light or weather.
- Automatic camera tracking to pinpoint the intrusion.
- Smart analytics verify threats, reducing false alarms.

Results

From First Footstep to Verified Alert in Under a Second

- Instant detection and visual confirmation of threats.
- Continuous operation via solar power and cellular connectivity.
- Preserved site integrity — no invasive installation required.
- 24/7 monitoring in all weather conditions.



24/7 Protection



Invisible Protection



Early Detection



Object Tracking



Integration With Leading VMS



IDIS IDLA

IDIS PTZ Camera AI Speed Dome Camera

Made in KOREA NDAA Compliant



AIO XR

Wireless Sensor



18m



35m



35m



6 Years



AIO XR

Detection Range	Footsteps - Up to 18m/60ft radius Vehicle and Digging - Up to 35m/115ft radius
Detection Zone	360° coverage
RF (LoRA)	433Mhz (Default), 868/915Mhz (Optional)
Transmission Range	Antenna 2cm below ground - Up to 250m/820ft radius Antenna 5cm above ground - Up to 1Km/3,280ft 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 Dimensions	6m width × 25m depth
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"	



IDIS DC-S6481HRA PTZ

Resolution	1/1.8" CMOS, 2688 X 1520
Focal Length & Aperture	6.91 ~ 248.76mm (F1.36~F4.6)
Dynamic Range	120dB (True WDR)
IR Distance (LEDs)	400 m / 1,312.3ft (2ea)
Intelligent Video	Object Metadata: Human, Vehicle, Face IDLA: Object Detection, Intrusion, Loitering, Line Crossing, Face Detection ETC: Video Motion Detection, Active Tampering Alarm
IP Camera Protocol	DirectIP 2.0, ONVIF Profile S/T
Security	Digest authentication, Password Protection, User access log, IP Filtering, IEEE802.1x(EAP-TLS), Chained Fingerprint, SSL Encryption, HTTPS Encryption
Vandal Proof Casing	IK10
Outdoor Ready	IP66, Heater
Power Source	24VAC, PoE IEEE 802.3bt (Class 8)
Dimensions	Ø242mm x 401.8mm (Ø9.52" x 15.82")
Weight	7.2kg (15.87 lbs)



IDIS DR-8516 NVR

Video Inputs	16 IP Channels
Max. Incoming Throughput	320Mbps
Video Outputs	2 HDMI
Display Resolution	HDMI : 3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Max. Throughput	180Mbps, 480ips@UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)
Performance	16ch synchronous playback
HDD	SATA x 8, eSATA x 4, RAID 1, 5, 6, 10 Supported
Power Consumption	100-240V~, 50/60Hz, 6.0 - 3.0A, 130W
Dimensions	482.6mm x 88mm x 529.5mm (19" x 3.5" x 20.8")
Weight	11.3kg (24.8lb) (with 2 HDDs)

