



Next-Generation Fiber Optic Security for Comprehensive Infrastructure Protection

A SEAMLESS SPHERE OF PROTECTION – FROM PERIMETERS AND ACCESS POINTS TO THERMAL CONDITIONS IN CRITICAL INFRASTRUCTURE

Network Integrity Systems (NIS) has developed the SENTINEL™ family of products—purpose-built to protect mission-critical environments where failure is not an option. Leveraging cutting-edge fiber optic sensing technology, SENTINEL™ provides early, actionable alerts to threats targeting people, assets, and essential infrastructure—helping to prevent incidents before they escalate.

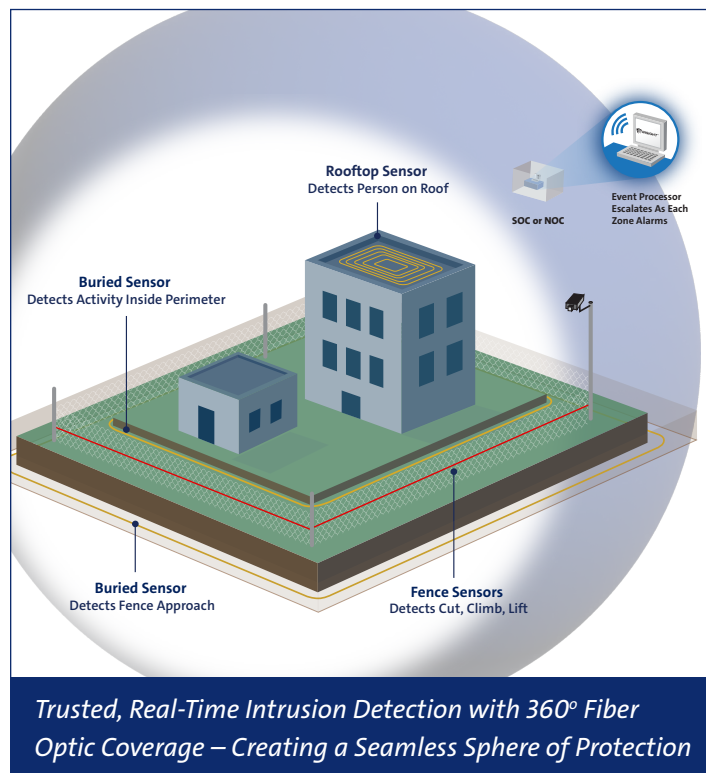
The strength of the SENTINEL™ platform lies in its ability to create a seamless, 360-degree sphere of protection. Fiber optic sensors can be strategically deployed underground, along fence lines, and across rooftops, delivering full three-dimensional perimeter coverage with real-time detection. This enables security teams to detect threats not only as they approach the perimeter, but also as they attempt to breach or move within secured zones.

However, modern threats don't always approach from the expected direction. Increasingly, adversaries exploit often-overlooked access points such as handholes, drop boxes, utility cabinets, and manholes—vulnerable locations where critical infrastructure is exposed and unprotected. SENTINEL™ is uniquely capable of monitoring these high-risk areas, detecting unauthorized access or tampering the moment it occurs, allowing swift intervention before disruption or damage is done.

Beyond physical intrusion detection, SENTINEL™ extends its protective capabilities to environmental monitoring.

Within the product family is technology designed to monitor the condition of critical infrastructure, including real-time temperature sensing along power busways and other vital electrical pathways. This allows operators to detect abnormal heat buildup and prevent potential outages, equipment failure, or fire hazards—safeguarding uptime in environments like data centers and defense installations.

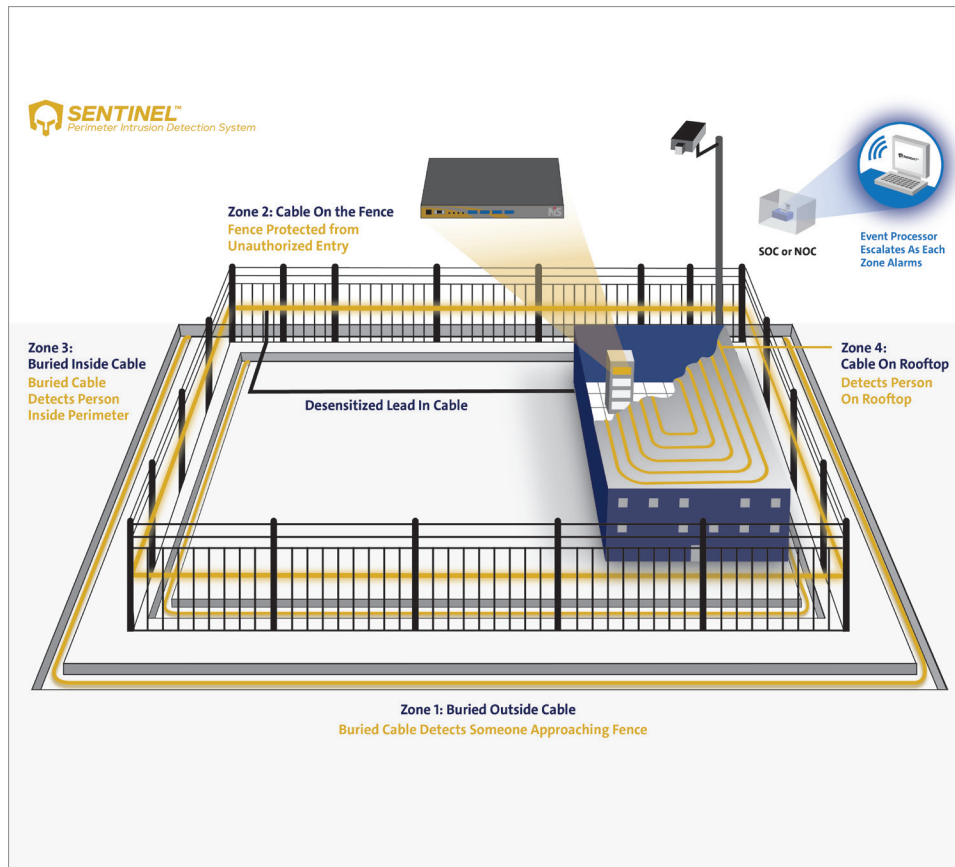
From the perimeter to the core, SENTINEL™ delivers comprehensive, intelligent, and proactive protection—ensuring the security and integrity of the world's most critical systems.



SENTINEL™ PERIMETER INTRUSION DETECTION SYSTEM

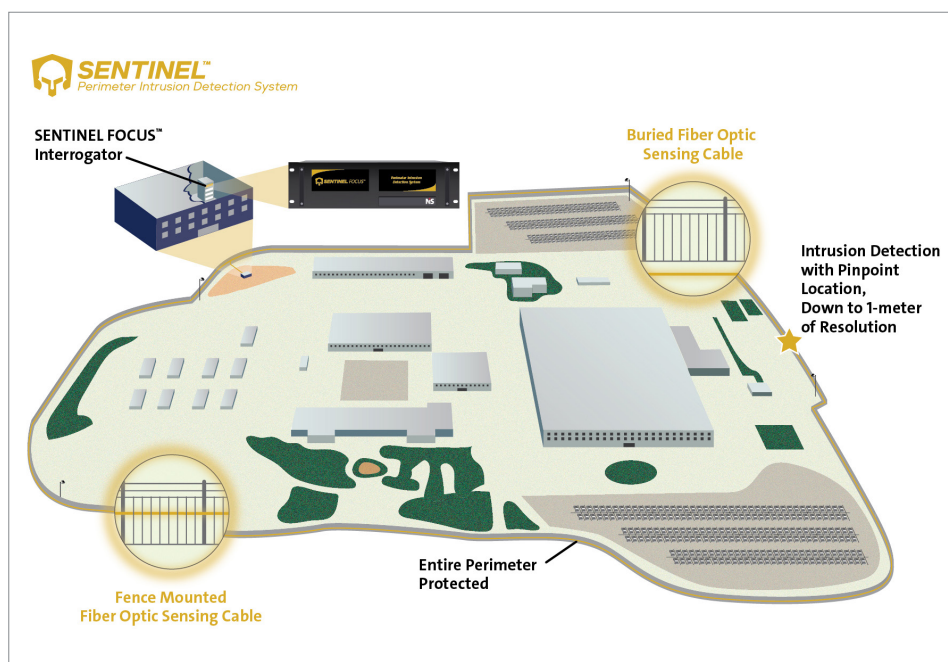
A single SENTINEL can monitor up to eight perimeter zones, providing 24/7/365 continuous monitoring to detect and instantly alert security personnel to intrusion attempts such as cutting, climbing, or fabric lifting. Our capabilities set us apart in the industry as we are uniquely positioned to offer:

- A Rooftop intrusion detection feature enhancing security coverage for elevated areas.
- Award winning, zone-based buried cable detects movement near the fence line, adding a proactive layer of defense.
- Industry-leading self-tuning technology automatically adjusts to environmental changes, ensuring reliable detection even in wind and rain, while minimizing false alarms.



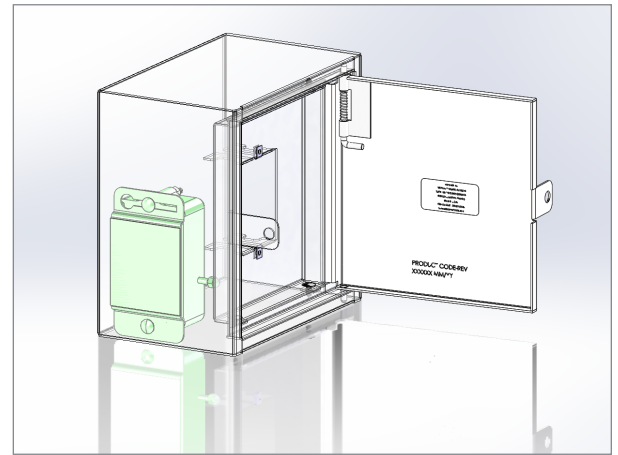
SENTINEL FOCUS^{NX} PERIMETER INTRUSION DETECTION SYSTEM

SENTINEL FOCUS^{NX} employs Distributed Acoustic Sensing (DAS) technology to monitor optical fibers that are covertly buried along borders or mounted along perimeters. When physical intrusions create vibrations that reach the optical fibers, the interrogator discerns changes in the light. Then, machine learning-based AI instantly and simultaneously classifies the type of intrusion, such as walking, tunneling, climbing or fence cutting, and pinpoints the location of the intrusion with an accuracy of up to 1-meter resolution.

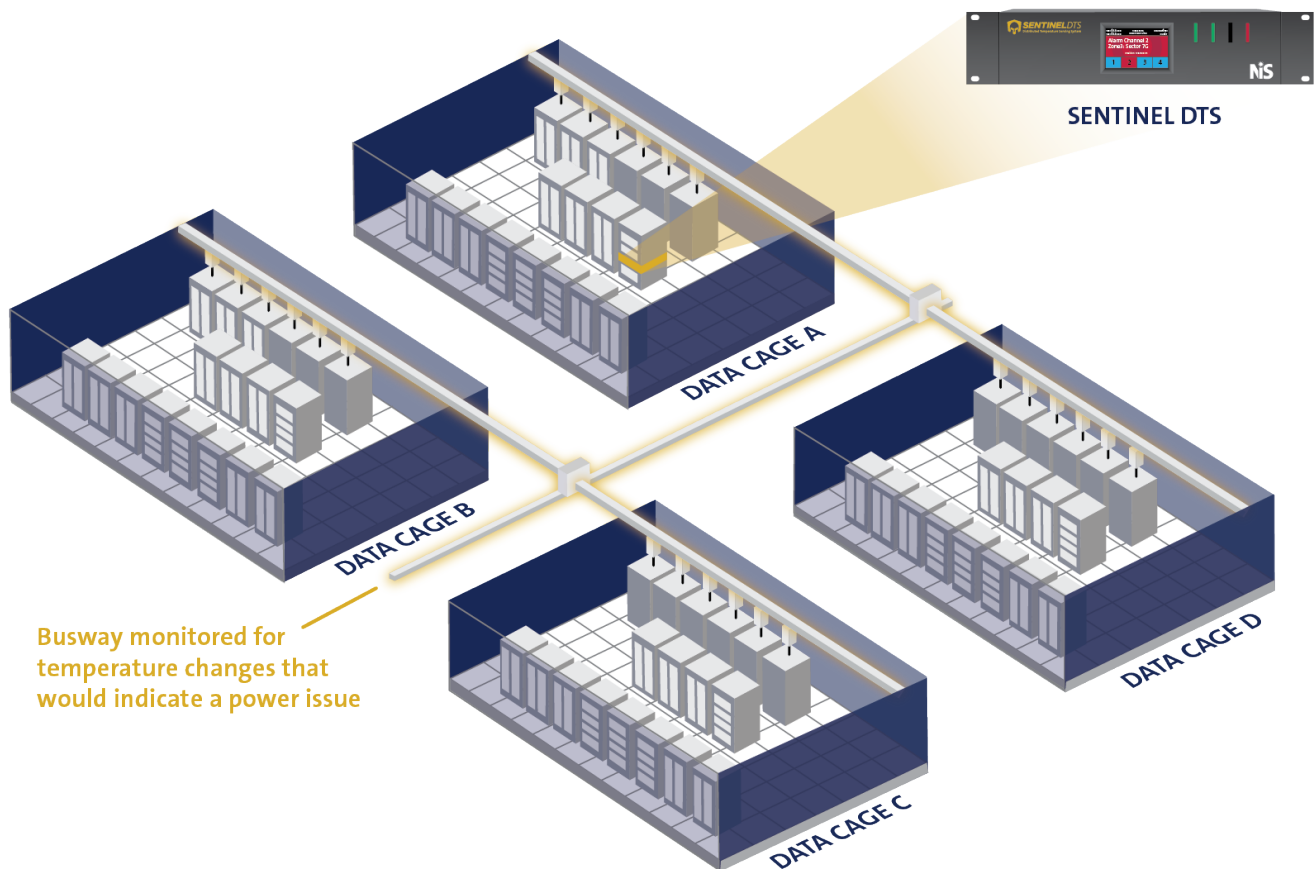


SENTINEL AXS™ AUTOMATED OPEN/CLOSE SENSORS FOR PDS SYSTEMS

This versatile solution is designed to detect open and close events, making it ideal for lock boxes, maintenance holes, and other locations where a verified open or closed state is critical. The system leverages new technology that reduces cost and simplifies maintenance, with standard sensors that can be deployed anywhere. Fully integrated with INSIGHT™ software, it supports single-mode fiber and is available in 1, 2, and 4-port models. The use of passive sensors means no power is required in the field, further enhancing reliability and ease of deployment.



SENTINEL TS™ DISTRIBUTED TEMPERATURE SENSING SYSTEM



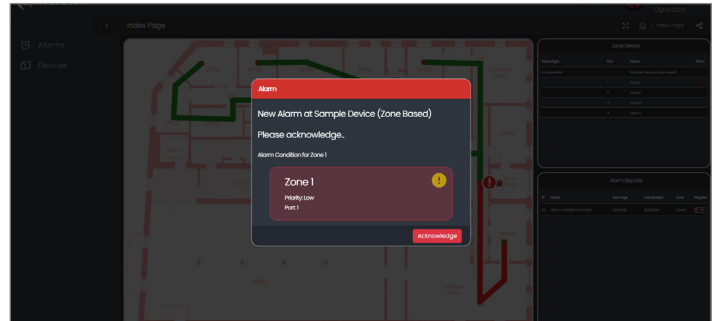
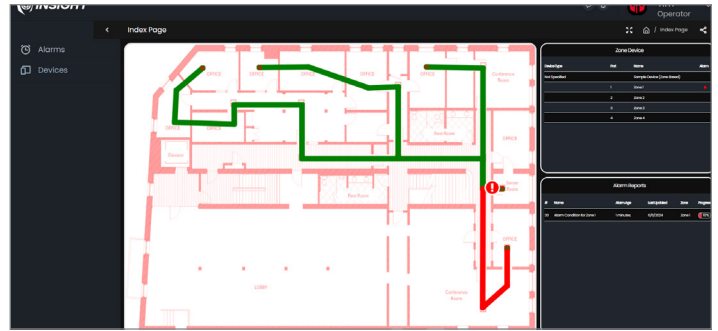
The SENTINEL TS attaches optical fiber directly to powerbusways to enable continuous, real-time temperature monitoring along their entire length. Using Raman scattering to analyze backscattered light in the fiber, it accurately detects overheating patterns

over every inch of busway that could lead to bus failure and power outages. This proactive, fiber-based approach helps prevent critical failures, reduces downtime, and enhances the reliability and efficiency of power distribution systems.

INSIGHT™ ALARM MANAGEMENT SOFTWARE

INSIGHT is a sophisticated, customizable, purpose-built alarm response and management application designed to integrate seamlessly with the SENTINEL Suite of products. Developed from the ground up with strict adherence to U.S. Government Security Technical Implementation Guides (STIGs), INSIGHT prioritizes cybersecurity at every level. It is offered as a perpetual license, eliminating the need for mandatory annual renewals.

To help customers leverage their existing alarm response infrastructure, INSIGHT offers INTERLINK™—a flexible integration feature set that allows third-party sensor data to be seamlessly incorporated into current systems. INTERLINK can also operate independently of the full INSIGHT platform, enabling an easy transition while preserving and enhancing the value of previous security investments. Plus, it comes at a lower price than the complete INSIGHT package.



WARRANTY AND SUPPORT PROGRAM (WSP)

The NIS Warranty and Support Program (WSP) provides up to 5 years of comprehensive hardware coverage and flexible support options tailored to your needs. Backed by industry-leading service, WSP gives you peace of mind. Choose from three levels of support—ranging from online and phone assistance to on-site service—for 1, 3, or 5 years. We're committed to ensuring an exceptional experience with every product.



MADE IN THE USA, FOR THE USA

Network Integrity Systems (NIS), headquartered in Hickory, N.C., proudly designs, engineers, and supports the SENTINEL™ platform entirely in-house—including all firmware and software for most SENTINEL products. For select OEM components, NIS still provides end-to-end consultation, installation, and support. This means customers receive a fully integrated solution from a single, U.S.-based company—ensuring accountability, security, and unmatched responsiveness.



DELIVERING REAL-TIME INTELLIGENCE

As threats evolve, so must the systems designed to detect and deter them. Fiber optic sensing delivers the real-time intelligence and reliability needed to stay ahead of potential risks—without compromise. By integrating this advanced technology into a layered security strategy, organizations can protect their people, assets, and operations with greater confidence and clarity than ever before.

**For More Information On Our SENTINEL Product Line,
Visit Our Website:**

www.networkintegritysystems.com



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