SENTINEL FOCUS^{NX} Perimeter Intrusion Detection System is a state-of-the-art long-range fiber optic sensor that utilizes Distributed Acoustic Sensing (DAS) to detect and pinpoint the exact location of intrusions on a perimeter. It has proven its capabilities by protecting highly classified U.S. Government facilities and other critical infrastructure sites. A centrally located SENTINEL FOCUS^{NX} sends and receives light into and from optical fibers that are covertly buried, fence-mounted, or wall-mounted along borders and facility 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 and locates the multiple physical intrusions.

SENTINEL FOCUS^{NX} Technical Specifications

ELECTRICAL

Power Input	100/240V AC, 60/50 Hz with AC adapter
Operating Power (Typical)	60 Watts
Maximum Power (Maximum)	165 Watts
Heat Dissipation Normal	205 BTU/hr
Heat Dissipation Maximum	563 BTU/hr

ENVIRONMENTAL

Operating Temperature	0°C – 45°C
Storage Temperature	-40°C – 70°C
Operating Humidity	20%-95% Non-Condensing

PHYSICAL

Installation	19" Rack Mount (2 RU)
Dimensions (in)	3.23 x 10.62 x 17.17
Dimensions (mm)	82 x 270 x 436
Weight (lbs)	26.4
Weight (kg)	12

REMOTE MANAGEMENT

Network (Ethernet SFP)	1000Base-T
Protocols	ZeroMQ API

OPTICAL SPECIFICATIONS

Optical Connection	LC/APC
Ports (one port monitored at a time via selector switch)	16
Dynamic Range (single-mode)	21dB
Detection range	Up to 100 km on Single-mode Fiber*

INDUSTRY CERTIFICATIONS

UL, FCC Part 15, IEC Class 1M, CDRH Class 1

CE Rated and Certified

Note: Distance with a one-way optical loss of up to 21 dB. Range is dependent upon quality of fiber, local environment, and the specific activity detection required.

For specifications on all other products and extended warranty and support plans, please refer to our website at www.networkintegritysystems.com

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