

# Product Information

## **SENTINEL FOCUS™ Distributed Acoustic Sensor (DAS)** Point Locating Perimeter Intrusion Detection System



SENTINEL FOCUS™

The SENTINEL FOCUS continuously monitors a single strand of standard single-mode fiber to detect Cut, Climb, Fabric Lift, or Digging events along your perimeter. Using state-of-the-art Distributed Acoustic Sensing (DAS) technology, Sentinel Focus will detect intrusions and report their location to within 5m (16').

### Product Specifications for SENTINEL FOCUS

#### Electrical

Voltage, Frequency: 115-230 VAC 50-60 Hz  
Power: 450W (Max.) 300W (Typical)

#### Environmental

Operating Temperature: +5°C to +40°C (41°F to 104°F)  
Operating Humidity: 80% RH for temperatures up to 31°C (87.8°F)

#### Physical

Size w/o brackets and rear guards (HxWxD):  
178mm x 483mm x 540mm (7" x 19" x 21.25") (4U)  
Focus EX - Size w/o brackets and rear guards (HxWxD):  
222mm x 483mm x 540mm (8.75" x 19" x 21.25") (5U)

#### Weight

24kg (53 lbs) (Focus EX = 29kg (64lbs))

#### Local Management

Laser status LED indicators  
Mechanical laser lockout  
1x DVI-I port  
USB2.0 = 2x front panel, 2x rear panel  
USB3.0 = 2x front panel

Data Storage: eSATAp  
Storage Volume: Up to 3TB

#### Remote Management

1x TIA-232 or RS-232 port  
1x 1GB Ethernet port

#### Alarm Management

XML  
CyberSecure IMS Integration

#### Optional Features

Optional 10GegE card for data streaming  
Option to install RAID card and connect to a RAID array

#### Optical

1 or 2 Ports: 1x E2000 APC optical connector (2x for Focus EX)  
Dynamic Range: 12.5dB  
Fiber Type: Single-mode 1550 nm ITU G652 series  
Pulse Lengths: 2, 3, 5, 10, 20, 50m  
Spatial Sampling Rate: 0.67m  
Minimum detection frequency: 1 Hz  
Maximum detection frequency: 20 kHz (at 2.5km of cable length)  
Frequency Response:  
5km cable = 10 kHz  
20km cable = 2.5 kHz  
40km cable = 1.25 kHz  
50km cable = 1.0 kHz

*Note: With a one-way optical loss of up to 12.5 dB. Range is dependent upon quality of fiber, local environment, and the specific detection streams required.*

#### Industry Certifications & Features

**IEC60825-1, UL60950-1, CDRH-21CFR1040, FCC, RoHS certified**

*For specifications on all other products and extended warranty and support plans, please refer to our website at [www.networkintegritysystems.com](http://www.networkintegritysystems.com)*