Future Fibre
TECHNOLOGIES

FFT Secure Point

Simple security without compromise.

FFT Secure Point is a high performance fiber optic dual zone intrusion detection system for perimeter security.

FFT Secure Point detects climbing, cutting, lifting and digging under gates and fences using fiber optic sensor cables mounted using cable (zip) ties.

Simple to install, FFT Secure Point provides affordable fiber optic intrusion detection without compromise for small sites and shorter distances. Advanced signal processing and event discrimination offer highly sensitive intrusion detection with minimal nuisance alarms.

How it works

For each channel of detection, the FFT Secure Point controller transmits and receives laser light down two optical fiber arms. The core technology is laser based optical fiber phase interferometry.

Each intrusion detection zone is created by connecting sensing fibers between a start and an end element. Start elements can be mounted in the controller or separated from the controller by insensitive lead-in cables. Multiple controllers can be deployed to protect sites or applications requiring more than two zones.

Nuisance alarms that FFT Secure Point filters out include environmental effects such as wind, rain, hail, sandstorms, vegetation motion, and adjacent vehicular traffic. When an intrusion is detected, FFT Secure Point activates output relays and sends intrusion alarm information to FFT CAMS software (when connected).

Delivers a cost effective and flexible solution for smaller perimeters. The sensor cable connected to each channel can be up to 1.6km (1 mile) in length.

Wall mounted, rack mounted or outdoor fence mounted in NEMA 4 enclosures. Each sensor cable can be separated from the controller by up to 10km (6 miles) of insensitive fiber optic lead-in cable.

Designed for easy out-of-the-box installation with simple-to-use configuration software including standard menu selections for a wide range of fence mounted and buried applications.

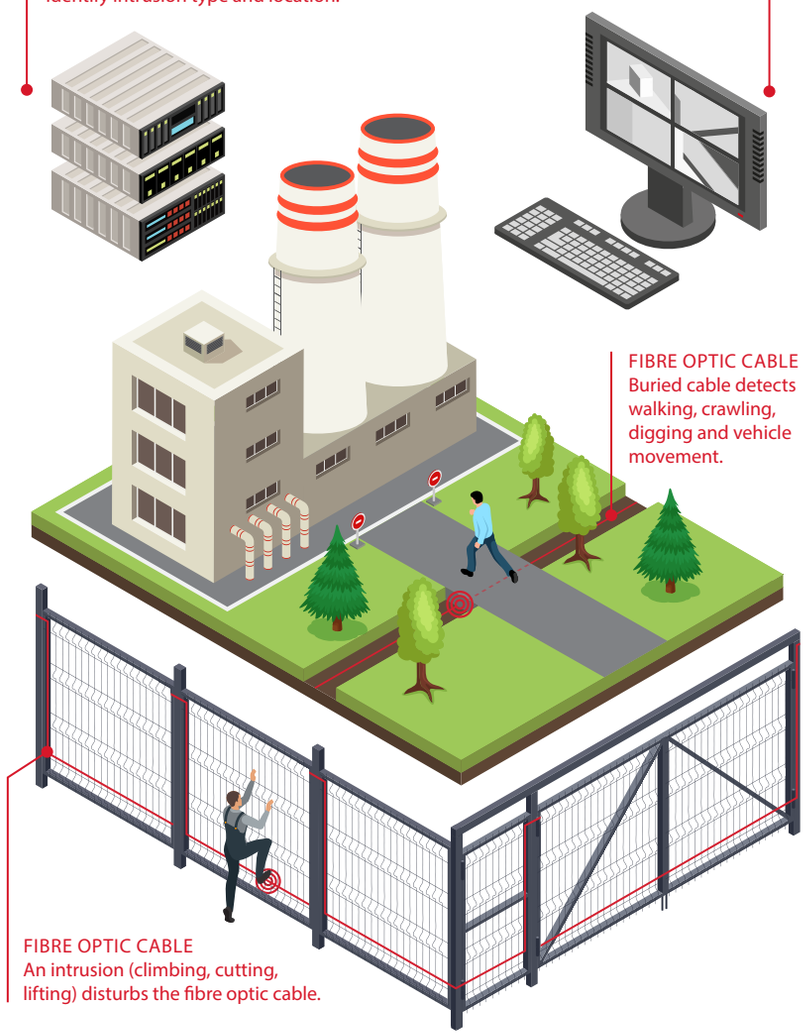
Interfaces (via TCP/IP and FFT CAMS™) to more than 40 security, video and access control management systems and to a wide range of devices including security cameras, lighting, access controls, programmable logical controllers, SNMP, email and text messaging.






RACK MOUNTED CONTROLLERS
Emits and receives laser light and applies complex algorithms, including Deep Learning, to detect and identify intrusion type and location.

INTRUSION ALARM
Displays real time locations of alarms on maps and/or interfaces to other systems.



FIBRE OPTIC CABLE
Buried cable detects walking, crawling, digging and vehicle movement.

FIBRE OPTIC CABLE
An intrusion (climbing, cutting, lifting) disturbs the fibre optic cable.

Features

- Detects fence climbing, cutting and lifting, digging under fences
- Simple installation using pre connectorised cables and setup software
- Two detection zones (channels)
- Up to 1.6km (1 mile) of sensor cable per zone
- Up to 10km (6 miles) of insensitive lead-in cable from controller to sensor cable
- High sensitivity and probability of detection with low false/nuisance alarm rate
- Effective across a wide temperature range
- Immune to RFI/EMI and intrinsically safe



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For more information, visit: www.fftsecurity.com
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