

FFT Secure Fence

HIGH PERFORMANCE PERIMETER DETECTION

With an FFT Secure Fence system, you can detect and locate intrusions on perimeters and borders that were, until now, always thought to be too expensive to protect.

The low cost fibre optic sensor cable is easily attached to the fence, pinpointing the location of fence climbing, lifting or cutting to within 10 meters (30 feet) to 25 meters (80 feet) or better for fences of up to 80km (50 miles) in length.

FFT's industry leading advanced signal processing minimises nuisance alarms, without compromising intrusion detection sensitivity.

HOW IT WORKS

Simple to install and operate, the FFT Secure Fence system delivers truly outstanding levels of detection and location combined with one of the lowest Nuisance Alarm Rates available. It is maintenance free; operating easily and reliably under a wide range of operational and environmental conditions—day after day, year after year.

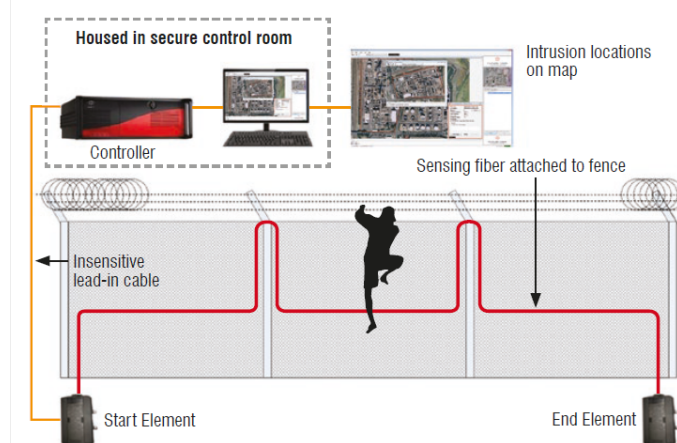
FFT Secure Fence controllers are connected to fibre optic cables that are mounted on fences and gates to detect climbing, cutting or lifting, or buried along fence-lines to detect digging.

Each controller transmits laser light down fibre optic sensing cable and then monitors and analyses disturbances in returning light to detect the nature and location of intrusion alarms.

At the heart of the system is the intelligence built into the FFT Secure Fence controller. The controller uses advanced signal processing techniques in parallel with intrusion detection to identify and ignore environmental and other unwanted nuisance alarms.

KEY BENEFITS

- Know when to look at your camera displays, dispatch your security staff or point a specific security camera at a suspected intrusion.
- Confidently detect intrusion. Your security staff can have faith in the combination of high probability of detection and extremely low nuisance alarm rate delivered by FFT Secure Fence.
- Save significant up-front costs, as only one system is required to support up to 80km (50 miles) of fibre optic sensing cable. FFT Secure Fence delivers the lowest installed cost per foot.
- Minimise ongoing total cost of ownership, taking advantage of simple installation and field maintenance free operation with proven reliability and durability.
- Avoid the problems of in-field power and electronics. FFT fibre optic detection cables are unaffected by RFI, EMI, lightning or storms and are intrinsically safe for operation in potentially explosive environments.



KEY FEATURES

- An FFT Secure Fence controller connects to a sensor cable straight run of 40km (25 miles) or a loop of 80km (50 miles)
- Locate intrusions to within 10 metres (30 feet) to 25 metres (80 feet), depending on fence type
- Detection of multiple simultaneous intrusions along the fence
- No electronics or power in the field
- Rapid in-field repair
- Two year warranty extendable to life of product
- Immune to EMI/RFI
- Intrinsically safe

SPECIFICATIONS

Fibre Optic Sensor	Custom UV stabilized single mode fibre optic sensor cable – expected life >20 years.
Sensing Configuration	Distributed sensor with a total optical path length of up to 80km or 50 miles per controller. Total power budget of 25dB.
Location Accuracy	Within 10 meters (30 feet) or better anywhere along the sensor cable for high quality chainlink and weldmesh fences, up to 25 meters (80 feet) on other FFT approved fences.
Zone Length & Number	Infinitely variable ‘Virtual Zones’ are created in the FFT CAMS software to suit specific site requirements.
Probability of Detection (POD)	Extremely high due to intelligent signal processing and analysis of disturbances.
Nuisance Alarm Rate (NAR)	Minimal due to multi-parameter intelligent signal analysis, discarding non-intrusion and environmental events.
Operating Temperature Range	FFT Sensor Cables: -55°C to +70°C (-67°F to +160°F) Controller (head end): 0°C to +45°C (32°F to +113°F)
Controller Dimensions/Weight	177mm H x 482mm W x 497mm D (7.0”H x 19.0”W x 19.6”D) 19” rack mounted, 4U high, Weight 24 kg (53lbs)
Electrical Specifications	Input voltage 110–240V AC, 50/60Hz, auto ranging, 148W consumption, internal redundant power supplies. Optional 48V DC available. Note: All field installed components are passive and require no power, communications, or electronics on the fence line.
System Interface	Interface (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, PLCs, SNMP, email and text messaging. Optional dry contacts.
Alarm Monitoring	FFT CAMS provides the option of real-time monitoring of alarm types and locations using an intuitive map-based user interface. Intrusion events with GIS co-ordinates are instantly displayed onto a sitemap and automatically logged into a secure database.
Warranty	Comprehensive two year warranty with ongoing warranty extension program available for the life of the product.
Seasonal Calibration	No seasonal calibration or adjustments required.
Regulatory Certification	CE certified, FCC Part 15 subpart B Class B.



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