

Real-time location of network intrusions

Applications

- Sensitive government data networks
- Intelligence organizations
- Diplomatic missions
- Banks
- Military bases
- Telco carriers



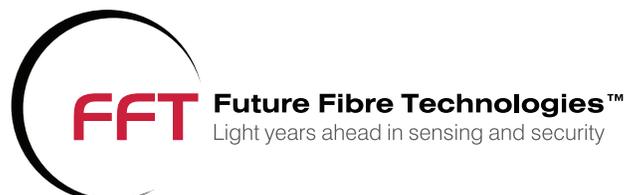
FFT Secure Link™ detects and locates unauthorized interference and illegal tapping of your sensitive or secure fiber optic networks, in real-time, before data loss or damage occurs.

Secure Link™ can use your existing approved single mode fiber optic communications cables as the sensor, dramatically reducing the installation cost and time, yet still detect and locate an intrusion to within 25 meters (75 feet) regardless of the size of the network.

FFT's ARaD advanced signal processing reduces nuisance alarms, while maintaining high sensitivity to intrusions.

Only from FFT - The ultimate force in fiber optic intrusion detection

www.fftsecurity.com



FFT Secure Link™ is an advanced network security monitoring system, detecting intrusion attempts, tampering, or illegal data tapping activities to better than 25 meters (75 feet) along data networks from a just few kilometers to thousands of kilometers in length.

The simple installation, reliability and maintenance free operation delivers the lowest Total Cost of Ownership (TCO) of any network intrusion detection solution in the market.

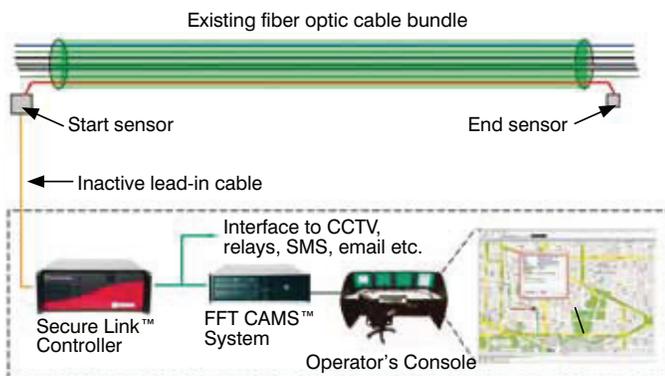
Key Benefits

- » Know 24/7 if threats from illegal data tapping or interference occur and precisely where to dispatch your security or maintenance staff to minimize the risk of data loss and downtime.
- » A cost-effective solution as only one system is required for single-ended networks up to 40km or 25 miles long. Up to 80km or 50 miles in a ring configuration. Subject to approval, Secure Link™ may be able to use your existing network infrastructure and cable.
- » Lowest ongoing Total Cost of Ownership (TCO) as there are no electronics or power in the field. Secure Link™ is easy and economical to install and there is no field maintenance.
- » Security staff can have faith in the system as Secure Link™ delivers the highest levels of detection simultaneously with an extremely low Nuisance Alarm Rate due to the intelligent event discrimination and analysis utilized.

How It Works

Simple to install and operate, the FFT Secure Link™ 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.

At the heart of the system is the intelligence built into the Secure Link™ Controller. A laser beam is transmitted along your existing fiber optic communications cable, and the returned signal is automatically monitored and analyzed for disturbances. This same signal is then digitally processed to identify and remove nuisance alarms.



Located within a secure control room remote from the network

Simple and intuitive to use, FFT Secure Link™ delivers the precise information your security staff need, combined with the ability to interface and activate CCTV systems, lighting, MODBUS, email, plus a broad range of external devices and systems.

The area or zone where alarms are triggered along with the GPS co-ordinates is instantly displayed onto a sitemap, and the event is automatically logged into a secure database.

A signal can then be sent via Ethernet directly to a high level command and control system, CCTV camera system, mobile device, email, or other external monitoring.

Features

- Provides valuable real-time early warning of unauthorized access
- A single system protects up to 80km or 50 miles of network
- Locate cable interference to 25 meters (75 feet) or better
- Low total cost of ownership
- Two year warranty
- No electronics or power in the field

FFT Secure Link™ Specifications

Fiber Optic Sensor	Can use existing dark single mode fibers if suitable, or FFT's custom direct burial single mode fiber optic sensor cable Expected life > 20 years
Sensing Configuration	Distributed sensor with a total optical path length of up to 80km or 50 miles of network in a ring configuration protected per controller. Total power budget of 25dB. Multiple systems can protect larger networks—up to thousands of miles
Location Accuracy	Within 25 meters or 75 feet anywhere along the network (or better)
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: -22°C to +70°C (-30°F to +160°F)
Controller Dimensions/Weight	177mmH x 482mmW x 497mmD (7.0"H x 19.0"W x 19.6"D) Weight 24kg (53lbs), 19" rack mounted, 4U high
Electrical Specifications	Input voltage 110-240V AC, 50-60Hz, auto ranging, 160 watts consumption, redundant supplies. Optional 48V DC available. Note: All field installed components are passive and require no power, communications, or electronics on the network
System Interface	TCP/IP via FFT CAMS™ (Central Alarm Monitoring System) software • Optional dry contacts • Optional software development kit available to interface to a range of security management systems and devices including Lenel, Milestone, Bosch VMS, Indigo Vision, EBI, P2000, C-Cure 8000, MODBUS PLC's, Pelco, and more
Alarm Monitoring	Real-time distributed monitoring—provides an intuitive map-based operator GUI, and interfaces to CCTV systems, MODBUS, email systems, external SMS systems etc via TCP/IP
Warranty	Comprehensive two year warranty on hardware and software with ongoing warranty extension program available for the life of the product
Seasonal Calibration	No seasonal calibration or adjustments required
Zone Length & Number	Infinitely variable 'Virtual Zones' are created in the FFT CAMS™ software to suit specific site requirements



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