

High resilience perimeter security

Applications

- Military bases
- Government facilities
- Critical infrastructures
- Open areas
- Buried assets
- Data cable infrastructure



Delivers both sensitivity and flexibility in intrusion detection applications.

FFT Aura™ SR is designed to detect intrusions on most types of fences and can be covertly buried in the ground across open areas to detect footsteps or a combination of both. It's so flexible that the same technology can also detect intrusions along buried assets and in data cable infrastructures.

In addition FFT Aura™ SR can cater for critical sites demanding hardened solutions that require continuous operation in the event of a damaged or cut sensor cable.

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

www.fftsecurity.com



FFT Aura™ SR is sensitive enough to work on almost all fence types, as well as covertly buried in the ground. You can even deploy both installation methods simultaneously with the one system.

It caters for critical sites that demand a hardened intrusion detection solution. FFT Aura™ SR sets the standard for detection sensitivity and resilience.

The simple installation, reliability and maintenance free operation delivers a low Total Cost of Ownership (TCO).

Key Benefits

- » Simple installation and virtually maintenance free delivers a cost effective yet flexible solution without compromising on performance.
- » Can be mounted on the fence fabric to detect climbs or cuts, buried in the ground to detect footsteps, or a combination of both.
- » Pinpoints the precise location of events to within 6 meters (20 feet) or better.
- » Powerful interfacing options through FFT CAMS™ to other FFT products, plus third party devices and systems.
- » High resilience, high availability – FFT Aura™ SR will continue to work up to the point of a sensor cable cut, or when configured bi-directionally the sensor cable will continue to work to both sides of the cut point, providing full single cut protection.
- » Peace of mind with FFT's two year warranty backed up by their global network of offices providing after sales support in more than 55 countries.

FFT Aura™ SR – Resilient fiber optic intrusion detection

How FFT Aura™ SR Works

This highly sensitive distributed acoustic sensing system sends a pulse of laser light along a single mode fiber optic sensor cable then monitors the light reflected back for any variations. It is capable of detecting even the smallest vibration, movement, or pressure acting on the perimeter fence the sensor cable is attached to, or the ground it is buried in.

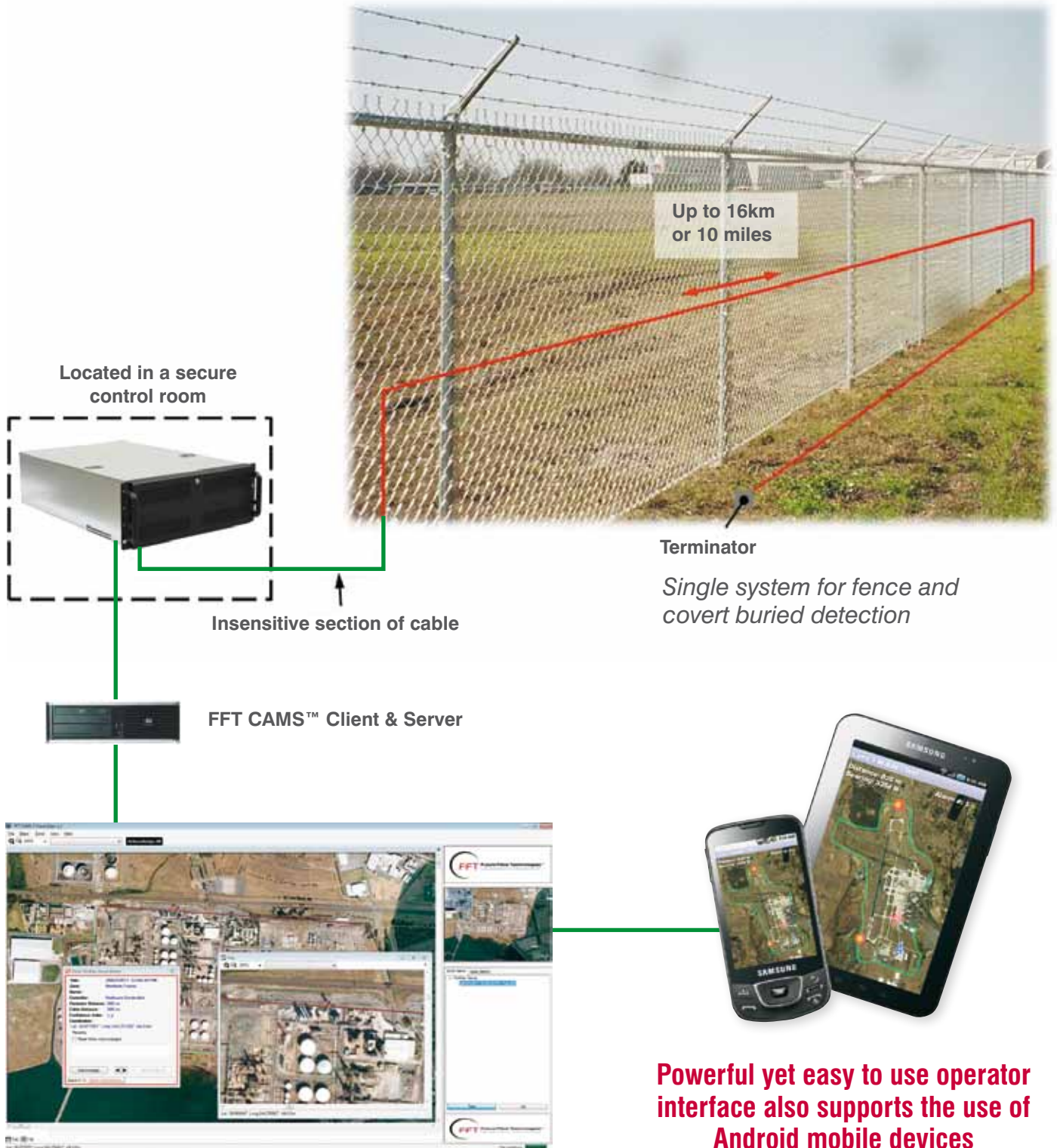
Event analysis is used to identify different events within the detected signal, differentiating between potential intrusions and environmental noise, removing those nuisance events while retaining legitimate intrusion information.

FFT Aura™ SR delivers the precise information your security staff need, combined with the ability to interface with and activate CCTV camera systems, lighting, gates, plus a broad range of external devices and systems.

The location of an intrusion along with the GPS co-ordinates is instantly displayed onto a sitemap and the event logged to a secure database. This powerful yet intuitive FFT CAMS™ operator interface is also available in a range of languages and supports Android mobile devices.



Simple installation for fence and buried intrusion detection





- Locates intrusion to within 6m (20ft)
- Single system for fence and covert buried detection
- No electronics or power in the field
- Sensor cable cut resilience
- Two year warranty
- Immune to EMI, RFI & lightning



FFT Aura™ SR Specifications

Fiber Optic Sensor	Custom UV stabilized single mode fiber optic sensor cable – expected life >20 years. FFT Aura™ SR will continue to work up to the point of a sensor cable cut, or when configured bi-directionally, the sensor cable will continue to work to both sides of the cut point, providing full single cut protection.
Sensing Configuration	Distributed sensor with a maximum fiber length of 16km or 10 miles per controller. Can be mounted on a fence, buried in the ground, or both combined with the one system.
Location Accuracy	Within 6 meters (20 feet) or better anywhere along the sensor cable on FFT approved installations.
Supported Fence Types	Most types of fences including chain link, chain mesh, welded mesh, and palisade fences plus will detect foot traffic when buried in the ground across open areas, intrusions along buried pipelines and interference with data or power cable infrastructures.
Operating Temperature Range	FFT Sensor Cables -30°C to +70°C (-22°F to +160°F) Rack mount controller +5°C to +40°C (+41°F to +104°F)
Controller Dimension	177mmH x 482mmW x 559mmD (7.0”H x 19.0”W x 22.0”D) Weight 24Kg (53lbs), 19” rack mounted, 4U high
Electrical Specifications	Input voltage 115-230V AC, 50/60Hz, 260 watts typical consumption, 400 watts maximum. Note: All field installed components are passive and require no power, communications or electronics in the field.
System Interface	TCP/IP via FFT CAMS™ (Central Alarm Monitoring System) software. Can interface with other FFT products, plus third party devices and systems.
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.

CONTACT FFT

EMAIL | info@fftsecurity.com

WEB | www.fftsecurity.com

ASIA PACIFIC	Future Fibre Technologies Pty Ltd	10 Hartnett Close, Mulgrave, Victoria 3170 Australia Phone: +61 3 9590 3100 Fax: +61 3 9560 8000
EUROPE	Future Fibre Technologies Limited	3000 Hillswood Drive, Hillswood Business Park, Chertsey, Surrey KT16 0RS United Kingdom Phone: +44 (0)1932 895 317 Fax: +44 (0)1932 895 318
MIDDLE EAST	Future Fibre Technologies MENA FZ-LLC	PO Box 502864, Building 11 Office G08, Dubai Internet City, United Arab Emirates Phone: +971 4 4345361 Fax: +971 4 4393406
AMERICAS	Future Fibre Technologies (US) Inc.	800 West El Camino Real, Suite 180, Mountain View CA 94040 USA Toll Free: +1 (877) 650 8900 Outside USA: +1 (650) 903 2222 Fax: +1 (435) 417-6671
INDIA	Future Fibre Technologies	M-12 /23, DLF City Phase 2, Gurgaon, Haryana 122 002 India Phone: +91 124 4087020 Fax: +91 124 4087019
SOUTH AFRICA	Future Fibre Technologies	Quadrum Office Park, Building No 4, 50 Constantia Boulevard, Constantia Kloof, Johannesburg, South Africa Phone: +27 11 534 8437 Fax: +27 11 534 8401