FUTURE FIBRE
TECHNOLOGIES
An Ava Group Company

DATA NETWORK INFRASTRUCTURE PROTECTION

HIGH PERFORMANCE PROTECTION OF DATA NETWORKS FROM WORLD LEADERS IN FIBRE OPTIC TECHNOLOGY
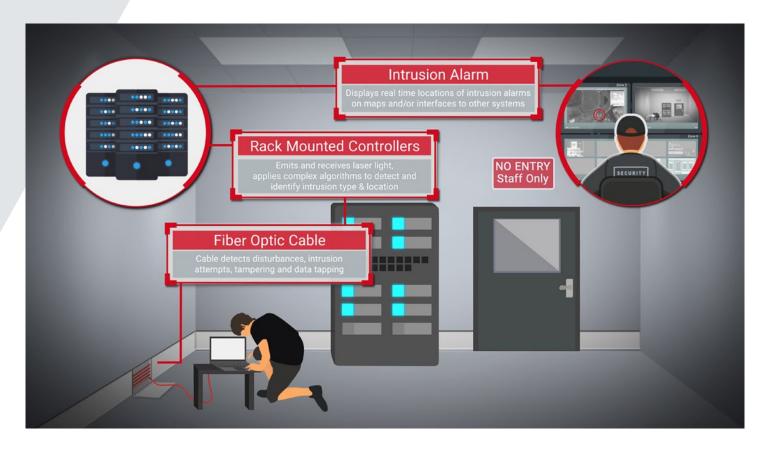
Today's organizations face a challenging cyber security landscape, requiring a comprehensive approach to data security. Current Network Management Systems typically focus on higher-level network protocols and transactions, only detecting malicious activity based upon interface and data flow health. At this point, the damage is already done. FFT's solutions offer customers a complete snapshot of their physical network security and operational health, before the network is accessed by protecting the physical cable itself.

FFT's fibre optic technology is designed to detect and locate disturbances, intrusion attempts, tampering, and data tapping activities to within 5 metres along data networks. This can be applied anywhere from local data centre LANs to long distance WAN transport reaching thousands of kilometres in length.
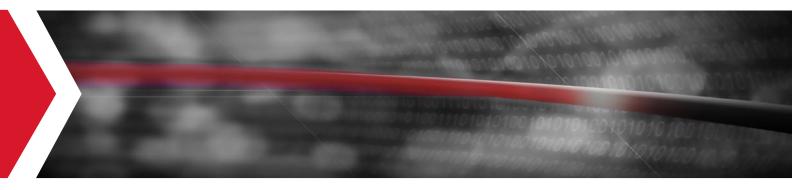
By utilising the unused 'dark fibres' within the network cable, the solutions ensure absolute integrity of the data traffic as FFT does not intercept, process or monitor the data packets themselves. This allows customers with all levels of data sensitivity to monitor their networks without concern.

FFT offers solutions that pinpoint physical network disturbances and provide actionable alarms that enable network administrators to isolate the problem, reroute network traffic and respond to the threat, providing the visibility of the physical layer currently missed by their current network management and security platforms.

Utilising laser-based fibre optic sensing technologies along a sensitive carrier cable, unauthorized or unplanned tampering, intrusion and disturbance events can be detected, located and managed along the entire sensitive area quickly and easily.

This advanced detection capability is not just limited to the cable itself. By configuring the system's sensitivity appropriately, detection can extend anywhere in parallel to the sensitive cable to include cable trays, conduit, pathways and cable distribution systems. The system can monitor copper, fibre and even physical adjuncts such as racks and trays for similar disturbances.

System uptime and availability may also be improved by monitoring and anticipating accidental damage by excavation, seismic or other intrusive human activity.

Trust the Experts

While typical network management platforms may only provide network or segment-level view of intrusions, FFT solutions go further by identifying the specific area or zone where the disturbance occurs. Such detailed monitoring works in tandem and complimentary to existing network management platforms affording customers with a comprehensive view of their data network across all OSI layers.

FFT solutions work with industry-standard SNMP for integration with existing platforms as well as a comprehensive API capability and physical alarm interfaces for partner integration into physical security systems, video management platforms, and situational awareness platforms.

Further, through the use of our FFT CAMS™ monitoring software platform, customers may monitor networks directly with or without integration into existing NMS platforms. CAMS also allows multiple FFT solutions to be deployed in complex distributed configurations and centrally monitored as a single, comprehensive solution.

Industry Leading Performance

FFT's superior signal and data processing combined with intrusion ultra-low noise high-sensitivity detection electronics means disturbance location can be pinpointed to within up to ± 5m (17ft) of the event regardless of the size of the cable network. FFT leverages over 15 years of real world experience in fibre optic intrusion detection, and can operate in a range of environments. Advanced signal processing techniques are used to identify and eliminate environmental nuisance alarms often seen within data network environments such as building noise and vibrations.

Cybersecurity Assurance

Ava Group demonstrates a strong commitment to data security by establishing the Cybersecurity Centre of Excellence (CCoE). The CCoE's mission is to ensure a high standard of cybersecurity and that all Ava Group products are subjected to rigorous and continuous testing during development and their entire lifespan to ensure there are no weaknesses in the product that could compromise an organisation's security credentials.

FFT products are tested to Cybersecurity standards based upon National Institute of Standards & Technology (NIST) cybersecurity framework combined with Underwriters Laboratories (UL) 2900 cybersecurity standards. The implementation of these well-known and verifiable standards ensures that customers can trust and have confidence in the cybersecurity profile of Ava Group's tested products.

LAN Networks | Network backbones | Point to Point Networks | Ring Networks

Why FFT?

FFT are specialists in the security industry, with a product range built on many years of knowledge and experience solely developing superior fibre optic technology.

With a broad, versatile product portfolio, FFT's solutions are suitable for a wide range of applications, effective for short and long distances.

FFT solutions are not only easy to install but also require minimal maintenance, enabling significant savings year on year and lowering the total cost of ownership.

Why Ava Group?

Our customers can now access a broader portfolio of security risk management products and services, benefiting from a more holistic approach for market leading security risk management.

With a team of industry experts, the Ava Group offers significant market knowledge and experience across a range of key sectors, ensuring our customers can be assured of the most suitable solution for their needs.

Our prestigious client base demonstrates our commitment to quality, reliability and outstanding customer experiences.

An Ava Group Company

FFT is an Ava Group Company, a market leader of risk management services and technologies, trusted by some of the most security conscious commercial, industrial, military and government clients in the world.

The Group features a range of complementary solutions including intrusion detection and location for perimeters, pipelines and data networks, biometric and card access control as well as secure international logistics, storage of high value assets and risk consultancy services. Through decades of innovation, the Ava Group continues to build upon a comprehensive portfolio of premium services and technologies for the most complex and demanding markets.

Our business truly serves a global market, with our knowledgeable team spread across six continents, providing market and industry expertise directly to customers. With thousands of sites protected, the Ava Group is proven to deliver first class services and technologies that surpass the expectations of our partners and end users.

Closer to our Customers

With our highly skilled team spread across six continents we are never far away from our clients. We also run regular training courses in our Ava Group offices and other convenient locations around the world.

● Offices   ● Regional Sales and Support Staff

Contact FFT

For further information please refer to our website or contact our team:

Email: sales@fftsecurity.com | Website: www.fftsecurity.com

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