High Performance Data Network Infrastructure Protection

Organisations continue to face a challenging cyber security landscape that demands a comprehensive approach to data protection.

Network management systems typically focus on higher-level network protocols and transactions, only detecting malicious activity based on interface and data flow health. At this point, the damage is already done.

Working stand-alone or in conjunction with existing NMS platforms, FFT's data network protection solution delivers a complete snapshot of physical network security and operational health by monitoring and protecting the physical cable itself - before the network is compromised.

Benefits

Offers absolute integrity of data traffic by utilising unused 'dark fibres' within the network cable. FFT does not intercept, process or monitor actual data packets, delivering a network monitoring solution suitable for all levels of data sensitivity.

Pinpoints physical network disturbances and provides actionable alarms that enable network administrators to isolate the problem, reroute network traffic and respond to the threat.

Provides visibility of the physical network layer often missed by existing network management and security platforms.

Detects disturbances in parallel to the network cable including cable trays, conduit, pathways and cable distribution systems. Copper, fiber and physical adjuncts such as racks and trays can also be monitored.

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

RACK MOUNTED CONTROLLERS
Emits and receives laser light and applies complex algorithms, including Deep Learning, to detect and identify intrusion type and location
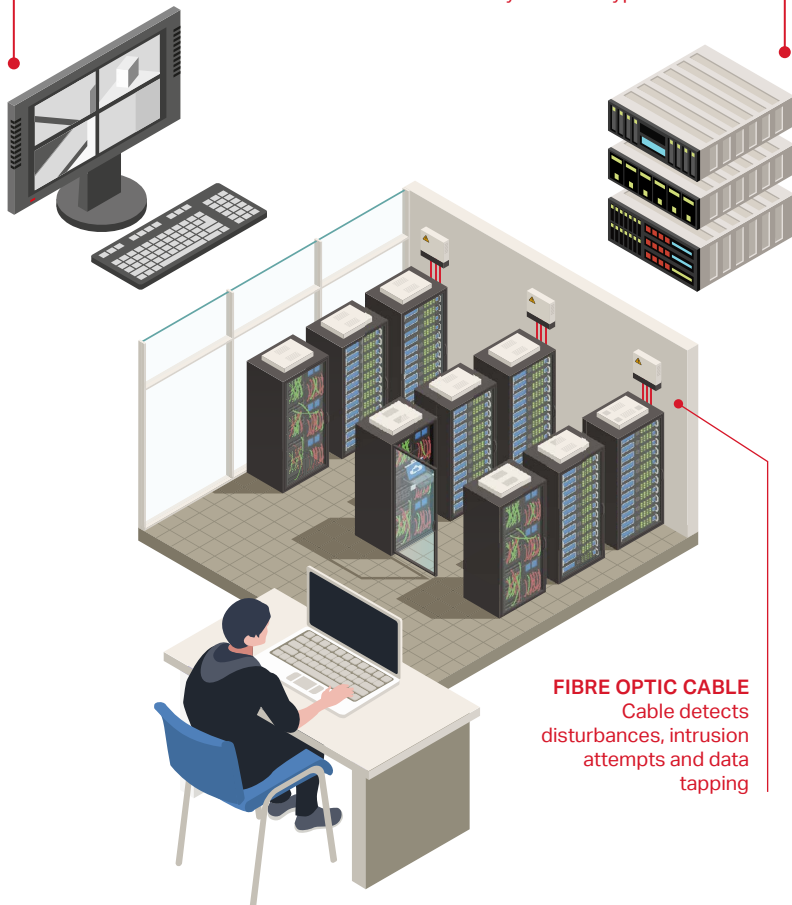
FIBRE OPTIC CABLE
Cable detects disturbances, intrusion attempts and data tapping

Features

DAS BASED FIBRE SENSING
By turning a sensitive carrier cable into a distributed acoustic sensor (DAS), unauthorised or unplanned tampering, intrusion and disturbance events can be detected, located and managed quickly and easily.

PINPOINT ACCURACY
Detects and locates disturbances, intrusion attempts, tampering and data tapping activities to within 5 metres (17 feet) along data networks. Can be applied anywhere from local data centre LANs to long distance WAN transport reaching thousands of kilometres in length.

MONITORING AND CONFIGURATION
Using the FFT CAMS monitoring software platform, networks can be monitored directly with or without integration into existing NMS platforms. CAMS also allows multiple FFT controllers to be deployed in complex, distributed configurations and centrally monitored as a single, comprehensive solution.

SEAMLESS INTEGRATION
Works 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.

For more information about our products, visit: **www.fftsecurity.com**
Contact us: sales@fftsecurity.com

Future Fibre
TECHNOLOGIES