FFT Aura Ai-2

NETWORK SECURITY MONITORING

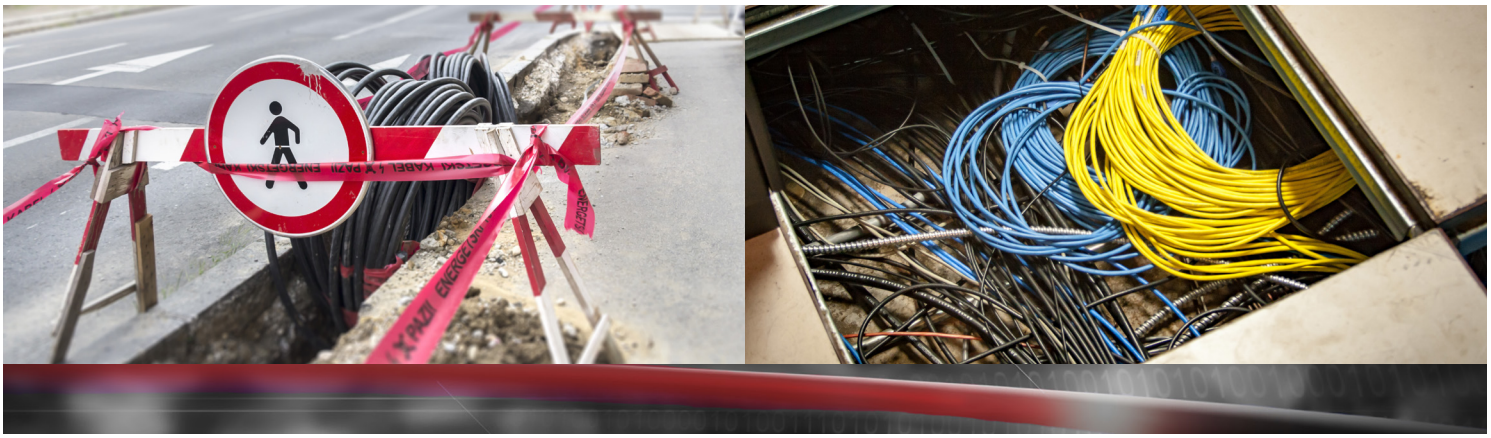
AURA AI-2 DETECTS AND LOCATED UNAUTHORISED INTERFERENCE AND ILLEGAL TAPPING OF SENSITIVE FIBRE OPTIC NETWORKS, IN REAL-TIME, BEFORE DATA LOSS AND DAMAGE CAN OCCUR.

KEY FEATURES

- Protection for up to:
  - 55km (35 miles) per channel with disturbance detection accuracy within ± 5m (17ft)
  - total 110km (70 miles) per single controller
- Complex algorithms for improved classification and reduced nuisance alarms
- Real time simultaneous detection on two channels
- Cut resilience (immunity) and redundancy
- No electronics or power in the field
- Intrinsically safe/immune to EMI/RFI and lightning
- Compact (4RU) state-of-the-art opto-electronics
- Lower total cost of ownership versus alternative technologies
- Cyber penetration tested (NIST and UL 2900)
- Two-year warranty and MTBF >250,000 hours

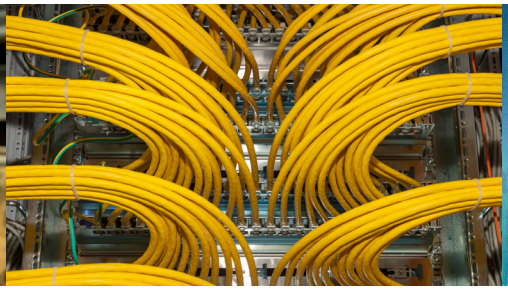
HOW IT WORKS

1) Existing fibre optic communications cables and used to 'self-monitor' for intrusion and third-party interference by connecting spare (dark) fibres to Aura Ai-2
2) Aura Ai-2 simultaneously pulses laser light down the sensing fibres connected to both channels and laser light reflections are disrupted by any disturbances/vibrations
3) Aura Ai-2 analyses light reflections and applies artificial intelligence algorithms to identify network cable disturbances, including removal of protective layers, attempted tapping or cable movement
4) FFT CAMS monitoring software communicates intrusion disturbances with the region of active detection defined by software zoning



APPLICATIONS

- LAN Networks
- Network Backbones
- Point to Point Networks
- Ring Networks

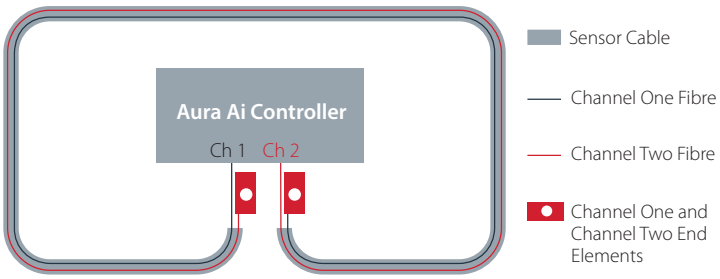




SOLUTION BENEFITS

- No impact on data throughput—unlike encryption
- Does not process or 'see' the data being transmitted, and cannot be used as a 'trojan' to redirect confidential data
- 24/7 monitoring of illegal data tapping, unauthorised access, or physical tampering allows security personnel to quickly respond so that data loss or network downtime is minimised
- A cost-effective solution with only one controller required for point to point up to 55km (35 miles) long. For ring networks, up to 110km (70 miles) can be protected
- Aura Ai-2 can be installed using existing network infrastructure and cable

PROVEN NUISANCE ALARM RESISTANCE

Aura Ai-2 leverages over 15-years of real world experience in perimeter security, and can operate in a range of environments. With industry leading real-time discrimination and classification techniques, Aura Ai-2 achieves the world's best nuisance handling capability while maintaining maximum sensitivity to intrusion events.



FULL CUT RESILIENCE

Even when a sensor fibre is cut or damaged, Aura Ai-2 continues to detect perimeter intrusions occurring between the controller and the cut. When sensor fibres are connected to two channels of the controller (or two controllers) in a redundant loop configuration, intrusions can be detected to within 10m (33ft) either side of the cut.

ABOUT AVA GROUP

Future Fibre Technologies 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 offers a range of complementary solutions including intrusion detection and location for perimeters, pipelines and data networks and biometric and card access control.

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