AURA AI-2 OFFERS ADVANCED AND VERSATILE PERIMETER INTRUSION DETECTION WITH THE CAPABILITY OF COMBINING FENCE-BASED AND COVERT BURIED INTRUSION DETECTION IN A SINGLE, COMPACT CONTROLLER.

KEY FEATURES

- Protection for up to:
  - 80 km (50 miles) with intrusion detection accuracy within ± 2m (6.5ft) for fences
  - 110 km (70 miles) with intrusion detection accuracy within ± 5m (17ft) for covert buried installations
- 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)
- 2 year warranty and MTBF >150,000 hours

HOW IT WORKS

1) Sensor cables are connected to the fence fabric using cable (zip) ties or buried underground
2) A single optical fiber inside the sensor cable(s) is connected to each Aura Ai-2 channel
3) Aura Ai-2 simultaneously pulses laser light down the sensing fibers connected to both channels and laser light reflections are disrupted by any fence disturbances
4) Aura Ai-2 analyzes light reflections and applies artificial intelligence algorithms to discriminate between intrusions and other disturbance causes
5) FFT CAMS communicates intrusion detection and location to the user
APPLICATIONS

Aura Ai-2 is used to protect high security sites around the world including:

- Intelligence Agencies
- Military Facilities
- Power Stations
- Nuclear Facilities
- Correctional Facilities
- Oil and Gas Perimeters
- Airports
- Correctional Facilities
- Borders

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 fiber is cut or damaged, Aura Ai-2 continues to detect perimeter intrusions occurring between the controller and the cut. When sensor fibers 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, biometric and card access control as well as secure international logistics, storage of high value assets and risk consultancy services.