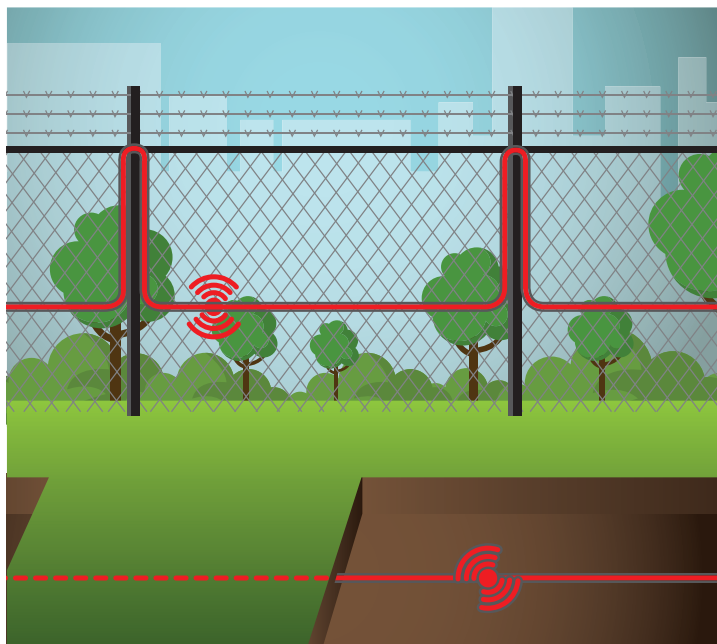# FFT
Aura Ai-2

HIGH PERFORMANCE PERIMETER INTRUSION DETECTION

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)
› Two year warranty and MTBF >250,000 hours

HOW IT WORKS

1) Sensor cables are connected to the fence fabric using cable (zip) ties or buried underground

2) A single optical fibre inside the sensor cable(s) is connected to each Aura Ai-2 channel

3) Aura Ai-2 simultaneously pulses laser light down the sensing fibres connected to both channels and laser light reflections are disrupted by any fence disturbances

4) Aura Ai-2 analyses light reflections and applies artificial intelligence algorithms to discriminate between intrusions and other disturbance causes

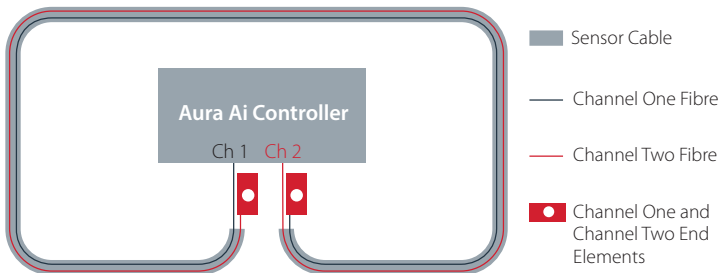5) FFT CAMS communicates intrusion detection and location to the user

APPLICATIONS

› Intelligence Agencies

› Military Facilities

› Power Stations

› Airports

› Nuclear Facilities

› Correctional Facilities

› Oil and Gas Perimeters

› 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.

Aura Ai Controller

Ch 1 Ch 2

■ Sensor Cable

— Channel One Fibre

— Channel Two Fibre

■ Channel One and Channel Two End Elements

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.

Future Fibre
TECHNOLOGIES
An Ava Group Company

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To find out more about the Ava Group, visit: www.theavagroup.com