

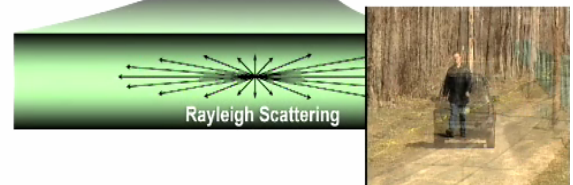
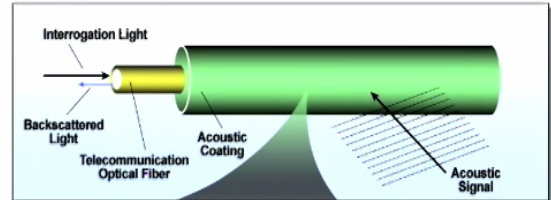


ADELOS™

Acoustic Detecting Electro-Optic Security System

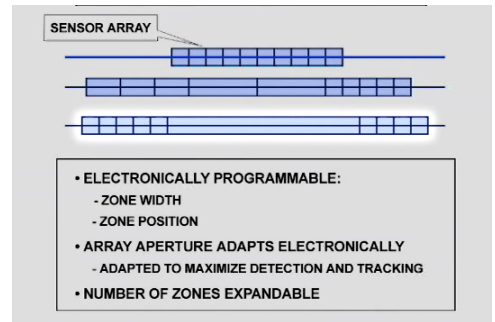
Features:

- Perimeter sensor is impervious to Electro-magnetic interference.
- Perimeter is undetectable once installed.
- Deployable range of up to 15 kilometers.
- Detection range can be electronically partitioned.
- Up to 200 zones available over range.
- Video image overlay and zone intrusion correlation.
- 110 VAC providing 48 VDC at 200 Watts.
- Vibration isolated control module.



Description:

The Adelos system is an intrusion detection and isolation system intended to be used for perimeter security applications. The system is self-calibrating, and fully configurable for zone width and positioning along the span being secured. The system implements a polarization fade mitigating optical receiver system and utilizes a three level Rayleigh reflector ensemble fading mitigation strategy. FPGA electronics are used extensively throughout the system for modulation, and correlation of detected signal telemetry. The laser system is an enclosed temperature, and vibration controlled environment utilizing an embedded COTS Class 3B laser. The single sensing fiber optic cable is buried between 6 and 18 inches in depth depending on the application. Acoustic signals detected can be characterized to determine the nature of the intrusion.



Together, with the video image overlay, the system allows the security operator to focus on a specific location when a perimeter security event is detected.



Power Requirements:

The Adelos system requires a standard 110V 50/60 Hz for normal operation. Remote locations may be powered using alternative methods.

For more information, please contact:

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