DiverAlert™ is a completely passive underwater monitoring system that provides detection, localization, classification and tracking of underwater intruders. As a passive system, it will cause no harm to the aquatic life or the environment, and requires no environmental approvals. DiverAlert™ is entirely environmentally friendly.

The DiverAlert™ system generates a high fidelity/low distortion reproduction of actual noise events, and employs narrow-band signal processing techniques to differentiate between actual intruders and typical, everyday events. Unlike traditional electronic undersea sensor systems that rely on a distributed network of point sensors, every inch of the DiverAlert™ fiber optic sensor cable is acoustically sensitive ensuring that there are no gaps in coverage. A single cable can be up to 25km long and include hundreds of discrete sensor channels. This provides a much wider area of coverage with no gaps, at a much lower cost than traditional electronic systems.
FEATURES & BENEFITS

- Lightweight, rugged, and reliable passive undersea sensor
- Constructed with tamper-resistant all-weather optical fiber cable
- Environmentally friendly - no EPA approval needed
- All-optical sensing - no electronic parts
- Continuous multiple simultaneous event detection
- Withstands extreme temperatures & undersea conditions
- Event classification - eliminates false alarms
- Easily deployable
- User-friendly operation
- Customizable GIS Display

APPLICATION

Ideal solution for preventing waterway accessibility and strengthening the security in environments such as:

- Military Installations
- Nuclear Plants
- Private Estates
- Prisons
- Energy Facilities
- Seaports
- Sensitive Land Areas
- Industrial Plots

SPECIFICATIONS

- Independent Zone length: up to 100m
- Maximum Zones: up to 16
- Detection of multiple simultaneous events: 1 per zone
- Lead cable length: 150m
- Sensing cable diameter: 4cm
- System self noise: 55 dB/μPa/√Hz
- Dynamic range: 110dB
- Receiver distortion (thd): -40dB
- Crosstalk: -40dB
- Display: GUI
- Data archive: 10 Minutes/Auto-save
- Compatibility: Secunet, LiNC-NXG
- Power mains: 110/220VAC
- Operating Temp: Cable 0 to 50°C/Host node 0 to 40°C
- Storage Temp: Cable -10 to 85°C/Host node -10 to 70°C