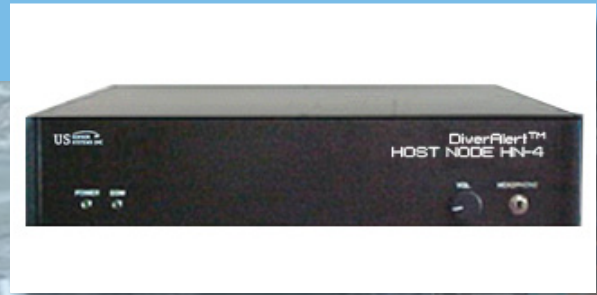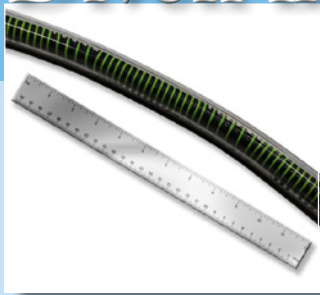# DiverAlert™

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.

SecureDetect

DiverAlert™

FEATURES & BENEFITS

- Lightweight, rugged, and reliable passive undersea sensor
- Constructed with tamper-resistent 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: $Pa/\sqrt{Hz}$
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

SAFEGUARDS TECHNOLOGY LLC

75 ATLANTIC STREET • HACKENSACK, NJ 07601

ph 201.488.1022 • fx 201.488.1244

www.safeguards.com • info@safeguards.com