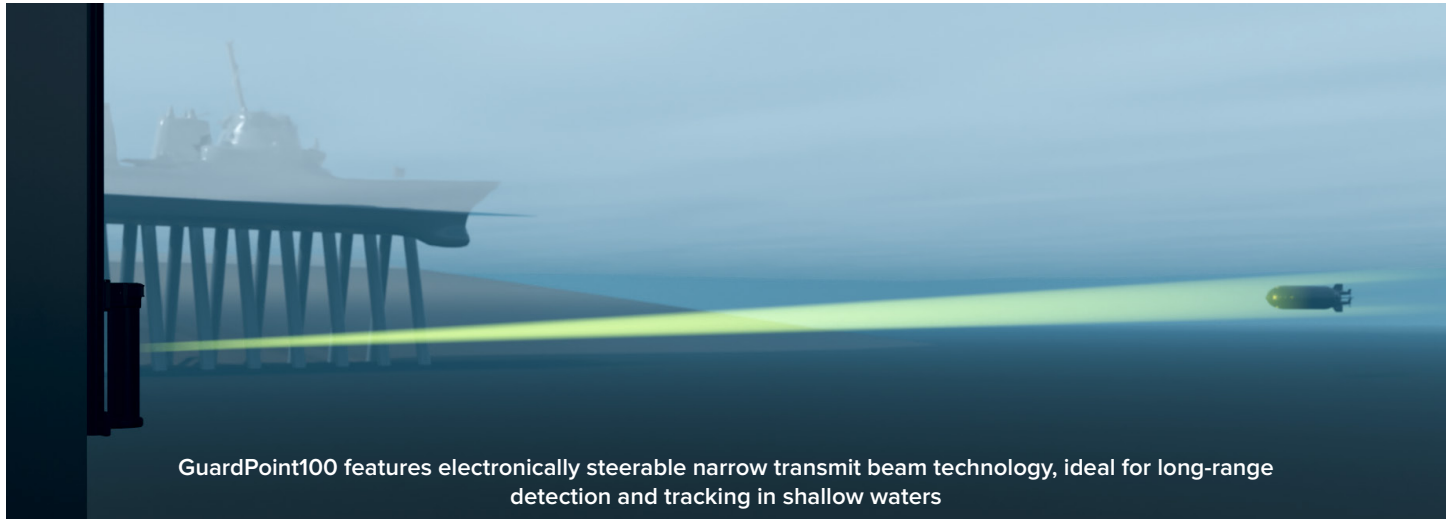




GuardPoint100

POWERFUL SURVEILLANCE AND DETECTION OF UNDERWATER INTRUDERS.

One single GuardPoint100 sonar head offers a surveillance range of up to 750m, designed to Detect, Track, Classify and Monitor response to modern underwater intruder threats. Designed to function optimally in shallow water and challenging environmental conditions, the GuardPoint100 system remains an easy to use system for surveillance non experienced personnel or expert sonar operators alike. Through the networking of multiple sonar heads extended coverage can be achieved, providing a robust and reliable solution for the most complex of surveillance tasks.



Integration Solutions



Computer



Command and Control Room

GuardPoint100 Intruder Detection Sonar

FEATURES

- ✓ Intruder Target Type Classification
- ✓ Narrow Vertical Beam Scanning:
 - Reduced Seabed and Surface Interferences
 - Minimised False Alarms
 - Increased Reliability of Intruder Classification
- ✓ Selectable Vertical Beam Width
- ✓ Real-Time Alarms
- ✓ 24/7/365 Unattended Operation
- ✓ Multi-sonar Network for Expanded Coverage
- ✓ Marine Mammal Auditory Injury Mitigation
- ✓ ClearSignal™ Coating
- ✓ Seamless Integration with Multi-layered Networks, Third-Party Command and Control Systems

APPLICATIONS

- ✓ Energy Infrastructure and Hubs (Windfarms, LNG and Oil Terminals, Power Plants)
- ✓ Naval and Coastal Protection
- ✓ Port and Harbour Security
- ✓ Mansions and Government Palaces Surrounded by Shallow Waters
- ✓ Offshore Infrastructure Surveillance
- ✓ VIP and Special Event Security (Quick Deployment for Temporary Security Needs)

OPTIONS

- ✓ NORTrace
- ✓ Underwater Loudhailer
- ✓ Remote Desktop and Video Interface

TECHNICAL SPECIFICATION

TRANSMISSION FREQUENCY	100kHz
HORIZONTAL COVERAGE	UP TO 180 DEG
VERTICAL COVERAGE	1.9 DEG BEAM (ELECTRONICALLY TILTABLE UP AND DOWN +/-10 DEG) (NO MOVING PARTS)
MOUNTING	FIXED INSTALLATION ON THE SEABED, PIER PILE OR HARBOUR WALL
DEPTH RATING	100m
TYPICAL DETECTION RANGE (OPTIMAL CONDITIONS)	OPEN CIRCUIT DIVERS 600+ m CLOSE CIRCUIT DIVERS 300+ m UNDERWATER VEHICLES 750+ m
WEIGHT	15.3 kg (AIR) 8 kg (WATER)
INPUT VOLTAGE	110-220 VAC (<95W) (DC AVAILABLE)
OPERATING TEMPERATURE	SONAR HEAD -4°C TO +40°C TOPSIDE UNIT -20°C TO +55°C
STORAGE TEMPERATURE	-20°C TO +60°C

