COAST STATION
Network Coastal AIS Receiver & Transmitter

The AIS Coast Station is engineered for peak performance, this solution with in-built Integrated HF-AIS™ core technology elevates your coastal monitoring and surveillance and delivers true real-time data from any AIS transceiver. All AIS messages from any AIS transceiver are received, decoded and networked in real time.

- Easy to install and setup
- Receive and decode all AIS transceivers
- Transmit AIS AtoN and other messages
- Data buffering
- Highly configurable
- Encryption support network and AIS interface
- Network connectivity intelligent - Wired & Wireless networking
- Built in WiFi connectivity
- Long range AIS tracking capability
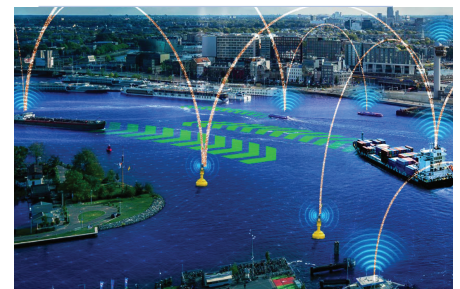- Integrated HF-AISTM core technology delivers exception operational performance

Up to 100 nautical miles

HF-AIS™ core technology delivers enhanced long range tracking in real time

Network configurable with built in support for multiple IP networking

Transmit messages – addressed / broadcast Binary messages, virtual AIS AtoN

Customisation

SRT products offer unmatched capability to be customised for specific applications and markets. Additional features and functions can be specified and implemented and range from the simple to complex encryption and messaging features.

Certification

This product is fully tested and certified to the relevant international standards and product specifications. As part of the OEM customisation process into your brand, international certification can be transferred into your brand name within a matter of weeks.

Physical Specification

Dimensions	140mm x 130mm x 35mm
Weight	500g (main unit only)

Electrical Specification

Power consumption	<4W from mains supply

Interfaces

Power	9.5mm DC jack
VHF	SO239 socket
GPS	Female TNC
USB	Mini-B connector
Ethernet (local)	RJ45
Ethernet (network)	RJ45

VHF Transmitter

AIS transmitter	x 1
Output power	configurable to 1W, 2W, 5W and 12.5W

GPS Receiver

Channels	50
IEC 61108-1	Compliant
GLONASS	Option available

VHF Receivers

AIS receivers	x 2
Frequency	Agile over the VHF marine band
Receiver sensitivity	< -110dBm @ 20% PER

Environmental

Installation	Suitable for indoor / protected installation
IEC 60945	'Protected' category
Operating temperature	-15°C to +60°C

Standards Compliance

AIS standards	IEC62320-2 Edition 1 (AIS AtoN Type 3) ITU-R M.1371-4 Universal AIS Technical Characteristics
Environmental standard	IEC60945 Edition 4
GPS performance standard	IEC61108-1

Primary Functionality

Streaming of received AIS messages to multiple remote network locations	✔
Operation as a Type 1 or Type 3 AIS AtoN for transmission of AIS AtoN position reports	✔
Support for transmission of up to 10 virtual AIS AtoN targets	✔
Internal 50 channel GPS receiver	✔
Ethernet connectivity	✔
Local Ethernet port for configuration and monitoring	✔
USB port for local AIS data display	✔
Encryption support	✔
Automatic message buffering	✔
Dynamic network management intelligence	✔

Supplied With

Mains power supply (90 – 264VAC) with international plug adapters	✔
2m Ethernet cable	✔
Installation and configuration guide	✔
GPS antenna	✔

What's In The Box

AIS Coast Station

USB Cable

Ethernet Cable

Mains Adaptor

GPS Antenna

CD

Quick Installation Guide

SRT enhances maritime domain awareness by developing and manufacturing tracking technology and system solutions for individual vessel owners, port authorities, maritime infrastructure owners, coast guards and national security agencies around the globe. Applications include the tracking of commercial and leisure vessels; sustainable fishery; anti-collision; search and rescue; waterway management, port and coast security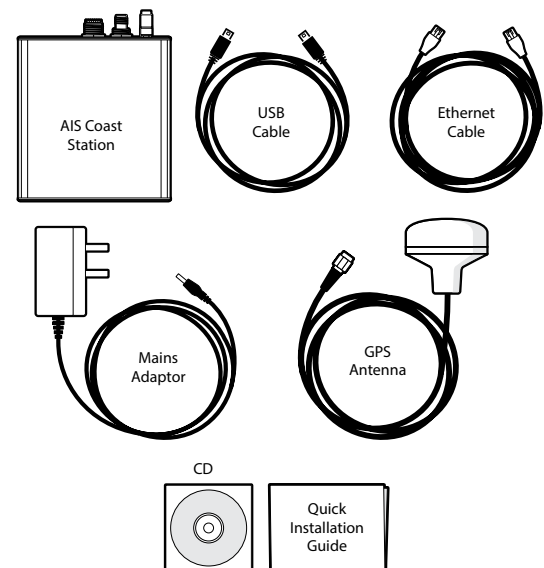; pollution management and environmental management.