



# DSC decoder

The TransOceana® decoder receives analog tones from a radio then converts the tones to a digital message. Each decoder supports two radios.

The split encoder/decoder allows for a flexible configuration of transmitters and receivers at lower cost.

The digital signal process runs on a Windows™ operating system and an off the shelf sound card and will simultaneously decode any mixture of HF, VHF and MF transmissions.

Multiple decoders can be run on one computer. Each decoder stores all messages in its own database so that even if the network fails, no messages are lost.



## Why TransOceana?

### FLEXIBILITY

Configured multipoint to multipoint so that one decoder can update multiple consoles

Able to interface with third party software such as AIS/VTs systems and web page server

### PERFORMANCE

Most advanced signal detection algorithm available for commercial use

Receives and reports messages containing errors for further operator analysis, including those with simultaneous transmission ("talk over") problems

Can store up to 65,000 messages

No server needed eliminating a single point of failure

Has a wav recorder function so that raw audio signals can be analyzed

No limit to number of decoders in the system

### REGULATORY COMPLIANCE

Meets or exceeds DSC class A requirements

ITU-R M.493-13

ITU-R M.541.9

ITU-R M.821.1

ETS 300 338

### LOW COST

Competitively priced