TRANSAS
VDR / S-VDR 3200

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TRANSAS VDR/S-VDR 3200

The new Transas VDR/S-VDR 3200 signifies a considerable step forward in the development and capabilities of this successful product from Transas and is designed to meet and exceed the requirements of IMO and IEC for corresponding equipment.

Compact and lightweight, the unit is safely covered by a metal enclosure and can be supplied in VDR or S-VDR configuration depending on customer need. Picture grabbing from 2 Radars, 10 sources of audio signal recording, 2 different fixed and 1 float free capsules, additional external USB HDD – this is just a selection of features from the new VDR/S-VDR from Transas.

Compliance and Certification

VDR 3200 complies with IMO A861(20) and IEC 61996, 60945

S-VDR 3200 complies with IMO MSC.163(78) and IEC 61996-1/2, 60945

Transas VDR/S-VDR 3200 is type-approved in accordance with IEC 61996-2/61996-1, 2 by QinetiQ classification society (QQ-MED-13/07-01R, QQ-MED-13/07-02), the Russian Register of Shipping and CCS.

System Description

Transas VDR/S-VDR 3200 is intended for safe collection and storage of voyage data such as ship position, movements, physical condition, bridge commands etc. for a defined time period, with the ability of later playback in accordance with the requirements of IEC 61996-2/61996.

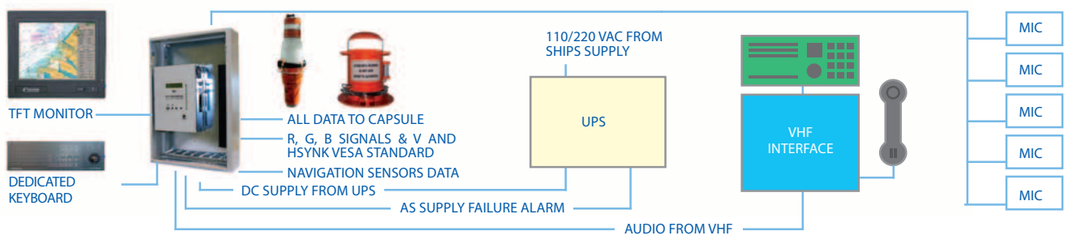
In the base configuration under mandatory requirements Transas VDR\S-VDR 3200 consists of:

- Main Electronic Unit (MEU)
- Indoor/Outdoor Microphones
- Remote Alarm Unit (RAU)
- Uninterruptible Power Supply Unit (UPS)
- Final Recording Medium - Capsule (fixed or float free)
- VDR/S-VDR 3200 software
- External Playback Utility in accordance with the requirements of IEC 61996-2/61996

VDR/S-VDR 3200 is supplied in configuration with Navi-Sailor 4000 ECS application that supports system with visualization of current ship's position on electronic chart and data display.

Options

- KW935 analog interface for non NMEA sensors connection
- KW932 discrete interface for non NMEA sensors connection
- Secondary Video grabber
- Extended recording and playback capabilities



Installation and Service

Transas has worldwide coverage of all major ports and is able to arrange timesaving and cost effective installations. Transas long experience of interfacing to other manufacturers systems offers significant benefits during VDR/S-VDR installations. Transas is focused on keeping its engineers constantly updated with the latest rules and regulations, and the company's support organization is continually expanding.

Technical Specification

MEU unit

The MEU is based on a compact computer and contains all equipment necessary to meet mandatory VDR/S-VDR requirements. The unit is supplied with a UPS unit providing in excess of the minimum requirement of power to the computer for over 2 hours of audio recording during a blackout.

MEU parameters:

- 9 microphones + 1 VHF or 6 microphones + 2 VHF input channels
- 8 NMEA/IEC 61162 input channels
- AIS input channel or expansion at 38400 baud
- 2-line status display
- 18 LEDs on front panel to show the data activity
- LAN port for downloading of data to a laptop PC
- Audible and visual alarms
- Push buttons for control of the basic functions
- Radar picture frame grabbers (optional for S-VDR*)
- 2 RS-232 COM ports for ADDA converters connection (option)
- Incorporates ECS software

*(*Mandatory for S-VDR if radar onboard is equipped with proper video output)*

MEU Dimensions – H600x W400 x D155mm

Microphones

Highly sensitive and self adjusting microphones are intended for audio signal recording.

MIC Dimensions – H124 x W50 x D25mm

Remote Alarm Unit

The function of the Remote Alarm Unit is to give an audible and visual alarm, which can be acknowledged by pressing the button.

RAU Dimensions – H124 x W50 x D25mm

UPS

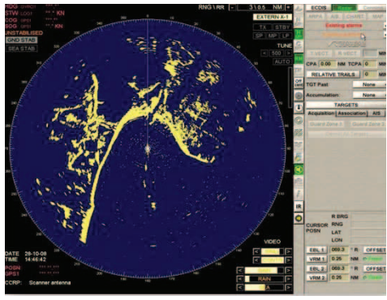
The Uninterruptible Power Supply (UPS) is designed to prevent blackouts, brownouts, sags and surges from reaching the MEU computer.

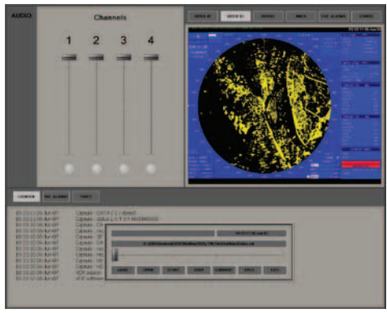
UPS Dimensions - H300 x W250 x D155mm

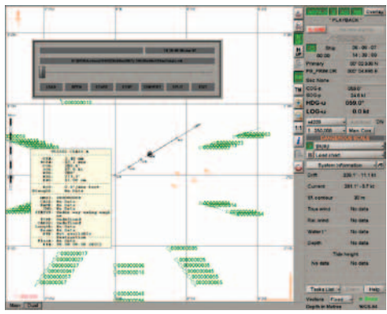
Capsules

Reliable and cost effective VDR/S-VDR capsules:

- VDR/S-VDR Hardened capsule by KOTEL (DRV100)
- VDR/S-VDR Fixed capsule by L3 Communications (SVR)
- S-VDR Float Free capsule by Jotron (TRON)







Kotel
VDR/S-VDR
Fixed

L3
VDR/S-VDR
Fixed

Jorton
S-VDR
Float Free

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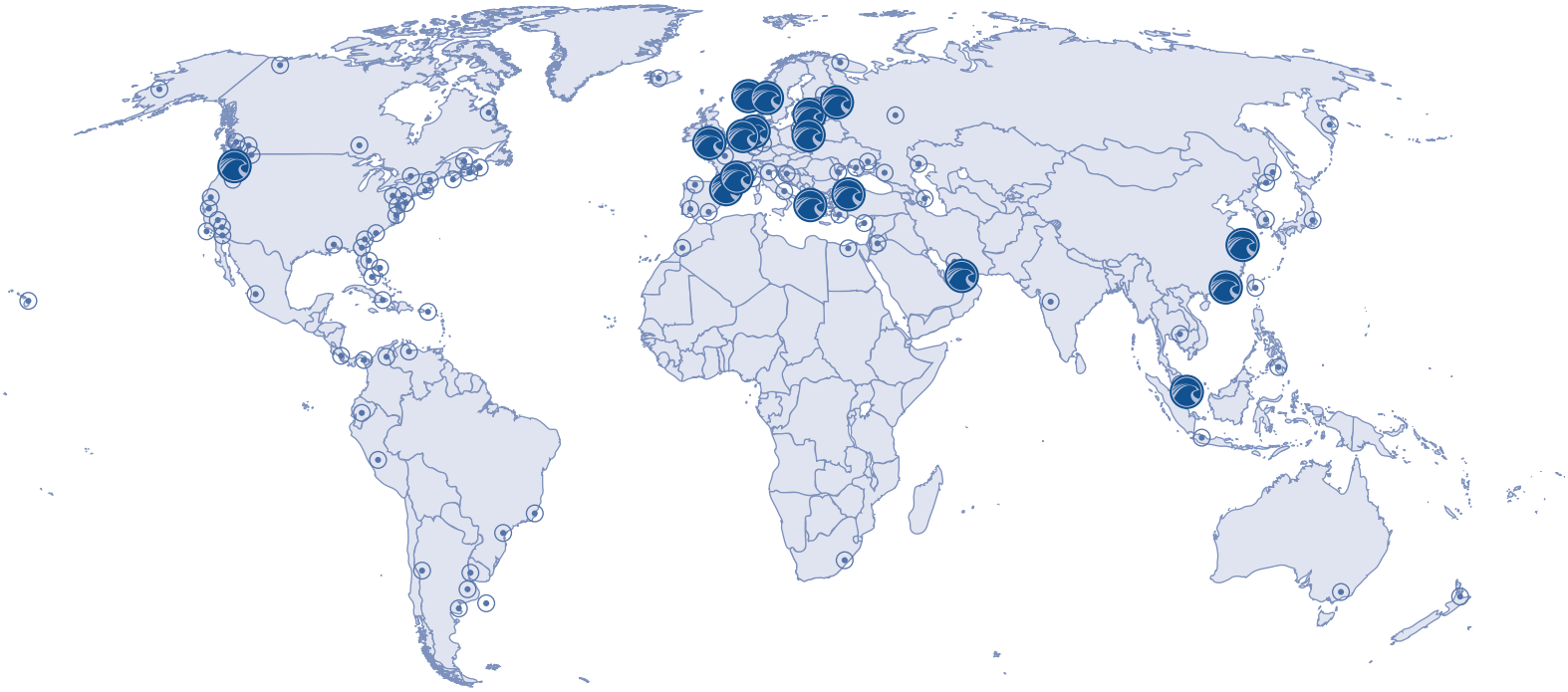
TRANSAS WORLDWIDE DISTRIBUTORS AND SERVICE NETWORK



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