

NAVI-SAILOR 4000 ECDIS (MULTIFUNCTION DISPLAY)



Transas Navi-Sailor 4000 ECDIS MfD



Navi-Sailor 4000 ECDIS MfD is the new all-in-one product manufactured by Transas which combines the type-approved ECDIS with type-approved Radar and Conning Display, which is based on Transas type-approved Integrated Navigation system (INS) software. Having evolved in 1999 from the first ECDIS worldwide to hold a type approval certificate, Transas Navi-Sailor 4000 ECDIS MfD is the result of the company's long standing experience in the field of marine navigation, capable of meeting the demands of the professional navigator.

Navi-Sailor 4000 ECDIS Multifunction Display is a flexible and redundant solution providing the mariner with a convenient task-oriented environment.

MAIN FEATURES

Multifunction Display

Every Transas MfD workstation (WS) can be equipped with a standard set of software such as ECDIS, Radar, Conning, Chart Assistant utility and SPOS weather module giving the mariner the ability to switch between applications at the touch of a button.

- All aforementioned applications are running simultaneously as part of the Multifunction Display.
- MfC functionality with radar and conning can be added at any point during the products lifecycle.

Safe Navigation and Easy Operation

Always prioritising safety, Transas NS 4000 ECDIS MfD excels at giving you all the information you need when you need it, via the user-friendly and intuitive menu system.

Information System and Decision Support

A continual flow of information for presentation of the crucial and most needed navigational information and objects, keeps you informed of any situation.

Choice and Customization

New and practical options enable you to customize the system to meet your needs, including multiple operation modes with charts in up to 7 different formats.

Sensor Integration

Connects all available onboard navigation data sensors and systems, such as: two positioning systems, gyro, log, two ARPAs, AIS, echo sounder, autopilot, navtex and more.

Planning and Forecasting

Includes powerful tools for passage planning, weather routing and calculation, and environmental tide and current databases. Weather forecasts, with the optional SPOS weather and route planning tool, are integrated with NS 4000.

Savings

Direct effects on fuel consumption, voyage times & work time have been proven by the many onboard installations over the last 10 years.

Navi-Sailor 4000 ECDIS

- Integrates with AIS equipment in compliance with IEC61993/2 standard
- Automatically reads off, processes and integrates into the ENC messages from binary or NMEA Navtex
- Incorporated Radar Processor board providing the Radar picture overlay
- Passage recording playback function in compliance with IEC requirements regarding 12 hour log
- Multiple operation modes with charts in 7 different formats
- Automated keeping of the ship electronic logbook
- Passage planning includes environment data (currents, weather conditions etc)
- Alarms management
- Generation of SAR operation patterns
- Tender tracking on ENC using Seetrac Interface

Navi-Radar 4000 (Chart Radar)

- Connects to external Master radar as Slave radar
- User friendly, clear and logically structured interface
- Handles primary radar information
- Monitors and processes performance of ARPA tasks (up to 256 targets)
- Official ENC/S-57 and Transas TX-97 format electronic vector charts underlay
- Selection of coloured/monochrome chart in-fills or contours
- Displays routes loaded from external systems' ECDIS/positioning system
- Association of AIS targets with ARPA targets
- Info panel displays AIS target and parameters output

Navi-Conning 4000

- Processes parameters supplied via different interfaces from external information sources, presenting them on a single screen
- Navi-Conning system provides base screen views and allows fully custom-made individual screens
- Reception of information from network in digital and analogue formats
- Extendable measurement units database
- Internal Recording function

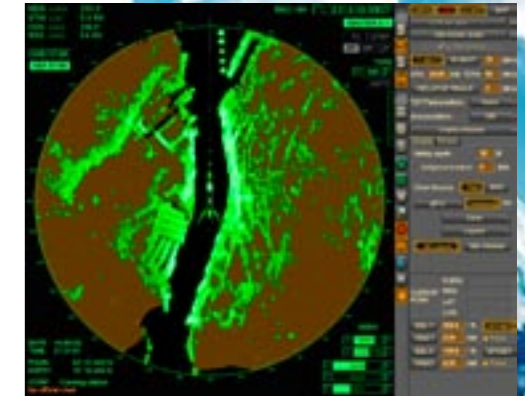
The Modern Way of Chart Administration

Transas Chart Assistant utility gives you ability to administrate charts in all the formats. The administration of charts is processed as single process for all workstations.

Transas provides an online maintenance service for charts in TX-97 and SENC formats. (Charts in S57/ENC, SEAFARER, ARCS, BSB/NDI, NOS/GEO, DNC formats can be installed and updated from CD or other removable data storage.)



Navi-Sailor 4000 ECDIS



Navi-Radar 4000 Chart Radar



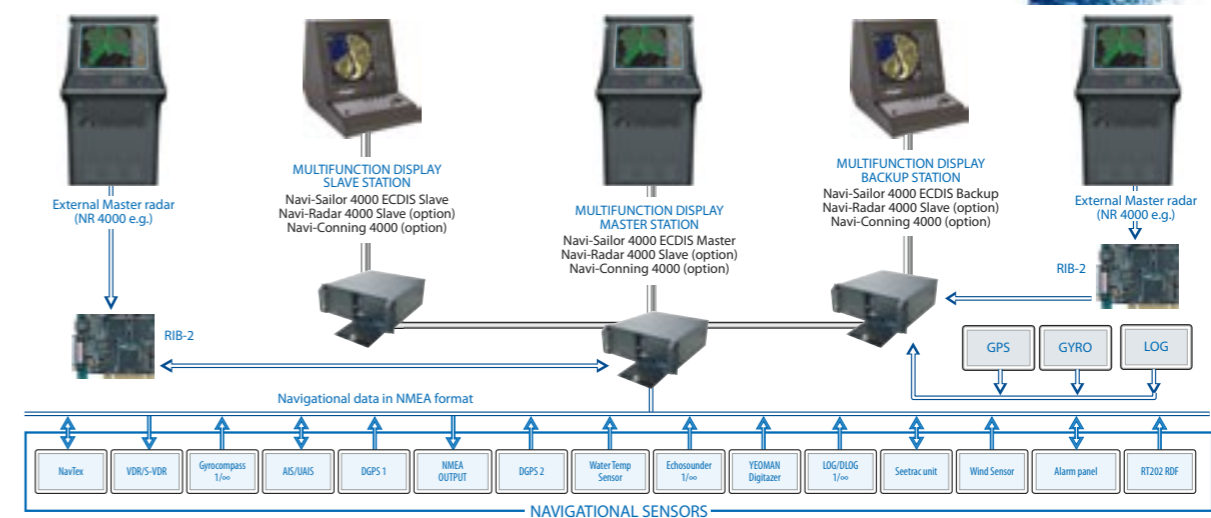
Navi-Conning 4000

MfD - the core product for different configurations of IBS



INTEGRATION BENEFITS

- Navigator-friendly environment for One Man Bridge operation reduces workload and stress
- Clear and consistent man-machine interface for intuitive and convenient operation
- Enhanced functional integration of navigational data
- System redundancy: all functions of ECDIS, Radar and Conning can be available on all MfD's onboard
- Palettes synchronization in all 3 applications
- Sensor redundancy and double network ensures data integrity and reliability for network configuration
- Intelligent and efficient alarm management
- Simultaneous Loaded Route monitoring in ECDIS, Radar & Conning
- ECDIS Master Station status changeover to any MfD station
- Simultaneous network operation of two Radar Integrator Board (RIB-2) cards is possible, one for each workstation
- Distribution of radar pictures from all available radars within MfD network
- Chart correction, route and user database synchronization at all workstations and applications
- Order charts, charts corrections and weather forecasts online via ship communication station protected by CISCO firewall



TRANSAS WORLD-WIDE DISTRIBUTORS AND SERVICE NETWORK



TRANSAS INTERNATIONAL HEADQUARTERS

tel.: +353 (0) 21 4 710 400
fax: +353 (0) 21 4 710 410
e-mail: information@transas.com
internet: www.transas.com



TRANSAS RUSSIA & CIS

tel.: +7 812 325 3131
fax: +7 812 325 3132
e-mail: sea@transas.ru
internet: www.transas.ru



TRANSAS SCANDINAVIA AB

tel.: +46 31 694 180
fax: +46 31 694 184
e-mail: sales@transas.se
internet: www.transas.se



TRANSAS USA INC.

tel.: +1 425 486 2100
fax: +1 425 486 2100
e-mail: sales@transasusa.com
internet: www.transasusa.com



TRANSAS EUROPE GMBH

tel.: +49 40 890 6660
fax: +49 40 881 1379
e-mail: info@transas.de
internet: www.transas.de



TRANSAS MARINE PACIFIC PTE LTD.

tel.: +65 6443 3061
fax: +65 6443 3025
e-mail: info@transas.com.sg
internet: www.transas.com.sg



TRANSAS MARINE (UK) LTD.

tel.: +44 2392 674 000
fax: +44 2392 674 048
e-mail: sales@transas.com
internet: www.transas.com



TRANSAS CHINA

tel.: +86 21 6875 4663
fax: +86 21 6875 4664
e-mail: info@transas.com.cn
internet: www.transas.com



TRANSAS HONG KONG LTD.

tel.: +852 2815 1603
fax: +852 2815 1690
e-mail: info@transas.com.hk
internet: www.transas.com.hk



TRANSAS MIDDLE EAST

tel.: +97 14 324 1415
fax: +97 14 324 1550
e-mail: tme@transas.com
internet: www.transas.com



TRANSAS HELLAS LTD.

tel.: +30 210 899 5164
fax: +30 210 899 5218
e-mail: hellas@transas.com
internet: www.transas.com



TRANSAS BLACK SEA

tel.: +90 216 337 0852
fax: +90 216 337 0852
e-mail: blacksea@transas.com
internet: www.transas.com

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