

Electronic Chart Display and Information System

NSC ECDIS



Electronic Chart Display and Information System NSC ECDIS

Extensive assistance – With its NSC ECDIS Raytheon Anschütz presents a high performance ECDIS which provides the base for paper-less navigation and effectively supports the operator in manoeuvring.

Comfortable server functionalities and the interaction with NSC radar and adaptive autopilot series NP 20X5 makes the NSC ECDIS an integral component of Raytheon Anschütz' bridge concept.

In addition to IHO/IMO compliant vector Electronic Navigation Charts (ENC), the NSC ECDIS also displays raster charts (ARCS).

The NSC ECDIS complies to latest requirements such as IEC/EN 61174 (Performance Standards for ECDIS), IEC/EN 61162-1, IEC/EN 60945, MED 96/998/EC (Wheelmark) and other relevant standards of IMO, IHO and IEC.

Chart formats/availability

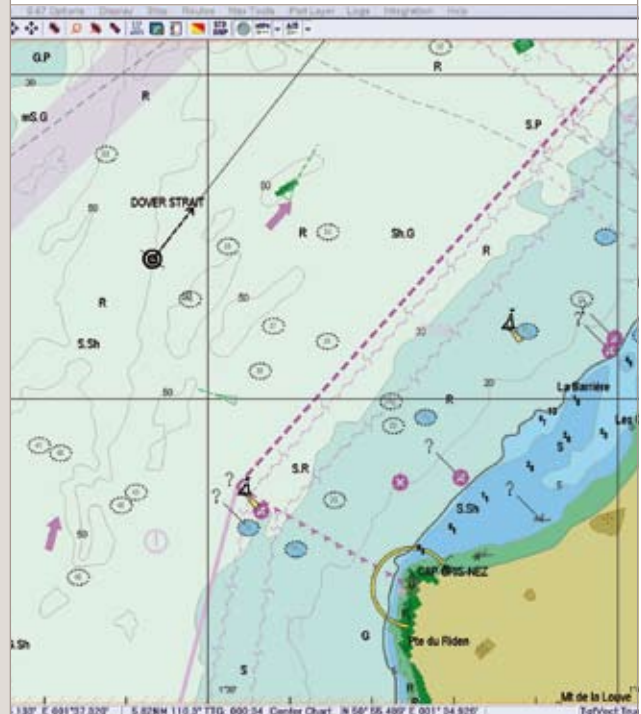
C-Map ENC (paper chart equivalence)
C-Map Professional +

S 57/S 63 Encrypted ENC

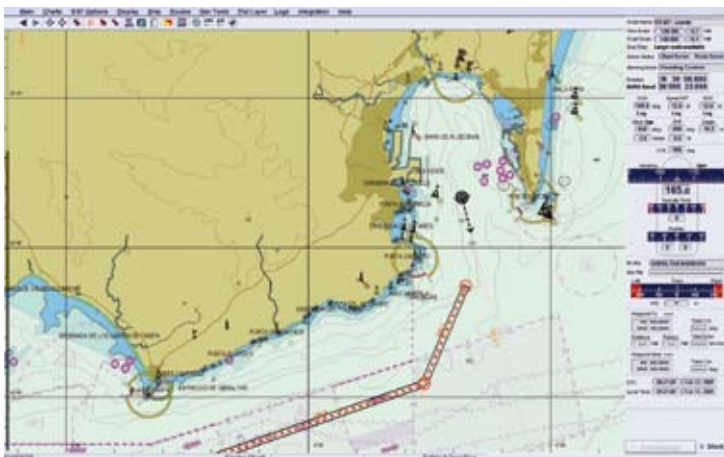
DNC

ARCS

Optional: Radar Image Overlay



Available also with 26" TFT (16:10 format)



★ More than 200 service stations all around the world. Our worldwide sales and service network provides product and service support wherever needed.

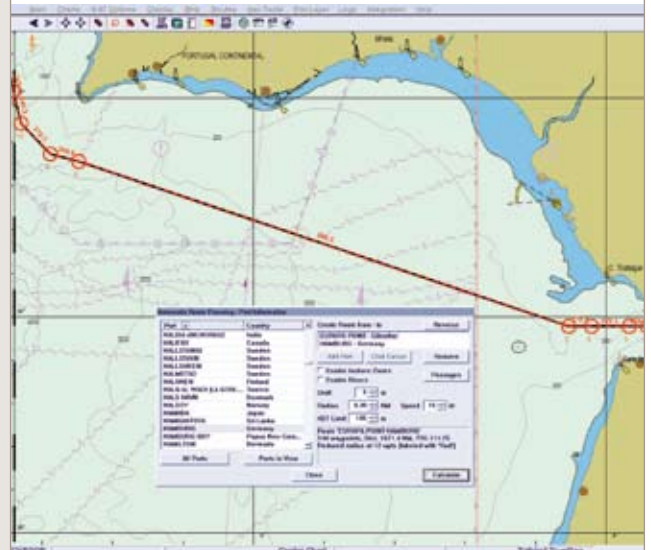
Functions

- Automatic selection of navigational charts relative to position with both ENC and ARCS charts
- Online updating of C-Map charts
- Radar image overlay (option)
- Chart Server / Route Server: Automatic sharing of charts, updates and routes when the configuration contains more than one ECDIS
- Display of AIS targets: AIS targets are displayed (with vectors for heading and speed), additional target data are available by cursor click on a target
- Route planning and route monitoring
- Recording and output of relevant voyage information (black-box function) in accordance to IMO Performance Standard
- Display of radar information (tracked ARPA targets)
- Online help available to support the operator at work
- Available as Desktop, Table Top or Blackbox version – for stand alone installation, installation at top of a console or integration into a customer's console.
- AIS-Server function
- Automatic route planning (using C-Map Professional + Database)

Track control in conjunction with autopilot series NP 20X5 in accordance with IEC 62065

- Category B with NP2015 and NP2025
- Category C with NP2025 Plus and NP2035
- Route planning and graphical display
- Display of track data information
- Graphic display of heading change manoeuvres
- Optional Autopilot Remote Control Panel:
 - Remote control of autopilot
 - Autopilot override

Automatic Route Planning



Track Control



System Integration

The NSC ECDIS interfaces to many existing bridge systems and navigation equipment. It can be configured for integration with ARPA radar, autopilot, AIS, echo sounder, speed log, wind speed direction sensor, position receivers and engine rpm sensors. Thus the NSC ECDIS is able to display navigational sensor data and corresponding alarms. Raytheon Anschutz' NSC ECDIS is also available as part of the Multifunctional System, together with radar and conning functionality.

Technical Data

Basic Equipment

Monitor : High resolution TFT-Display,
 resolution 19" : 1280x1024 pixel,
 resolution 23.1" : 1600x1200 pixel

PC Work Station with

- Intel® microprocessor
- Operating system: Windows 2000™
- Interface PCB: serial Multi-IO board,
- DVD ROM drive
- VGA video output
to additional remote display

Options

- Remote trackball
- Radar overlay
- Autopilot remote control panel
- System integration via Ethernet

System safety:

Uninterrupted power supply (UPS)

Registered trademarks

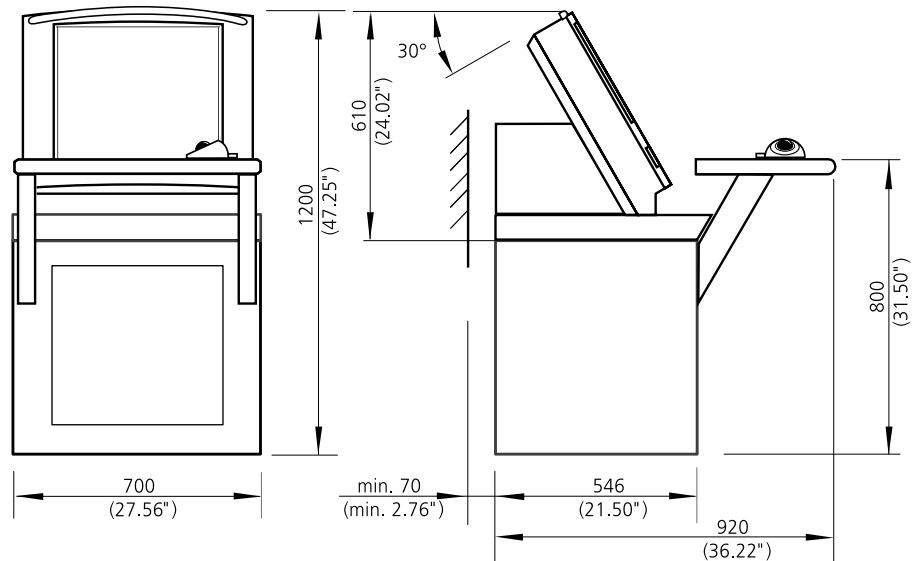
Intel® INTEL Corp.
 Windows 2000™ Microsoft Corporation

Subject to change due to technical developments without notice.

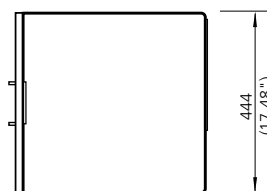
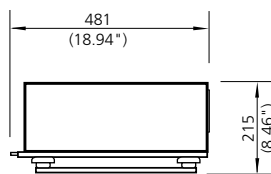
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Dimensions

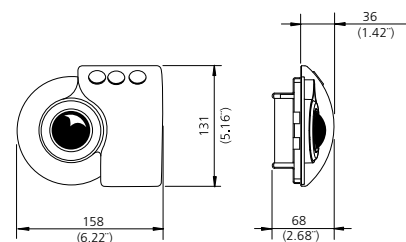
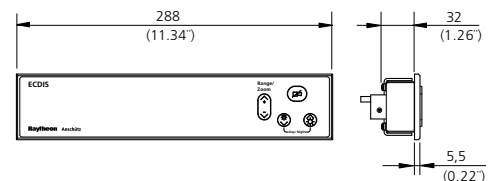
NSC ECDIS approx. 142 kg



ECDIS computer 19 kg



Control panel | Trackball



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