Raytheon Anschütz

ECDIS 24

Electronic Chart Display and Information System
Raytheon Anschütz Retrofit ECDIS
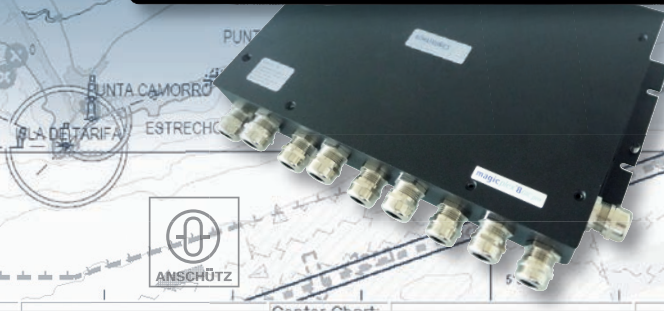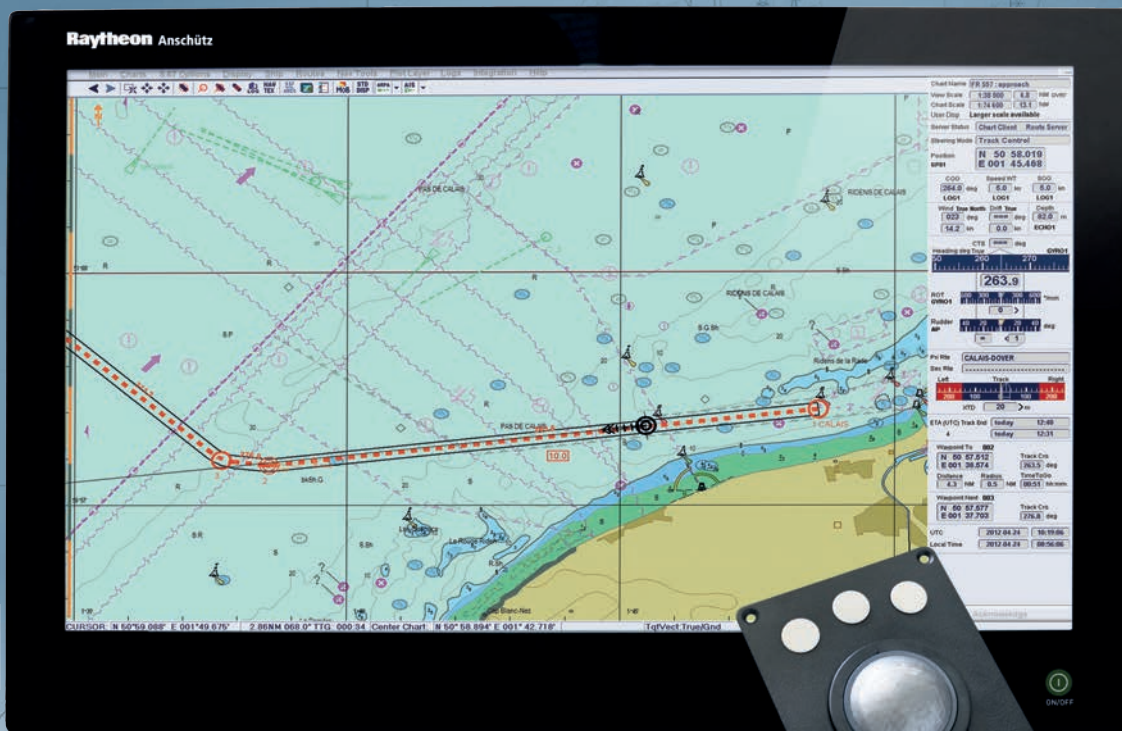
ECDIS 24 –
Make your ECDIS refit a success

Raytheon Anschütz ECDIS 24 is a complete ECDIS package special made for stand-alone retrofits. It combines advanced functionality with cost-effective hardware setup. ECDIS 24 complies with latest IEC and IHO ECDIS Standards (incl. new IEC Test Standard IEC 61174 Ed. 4.0).
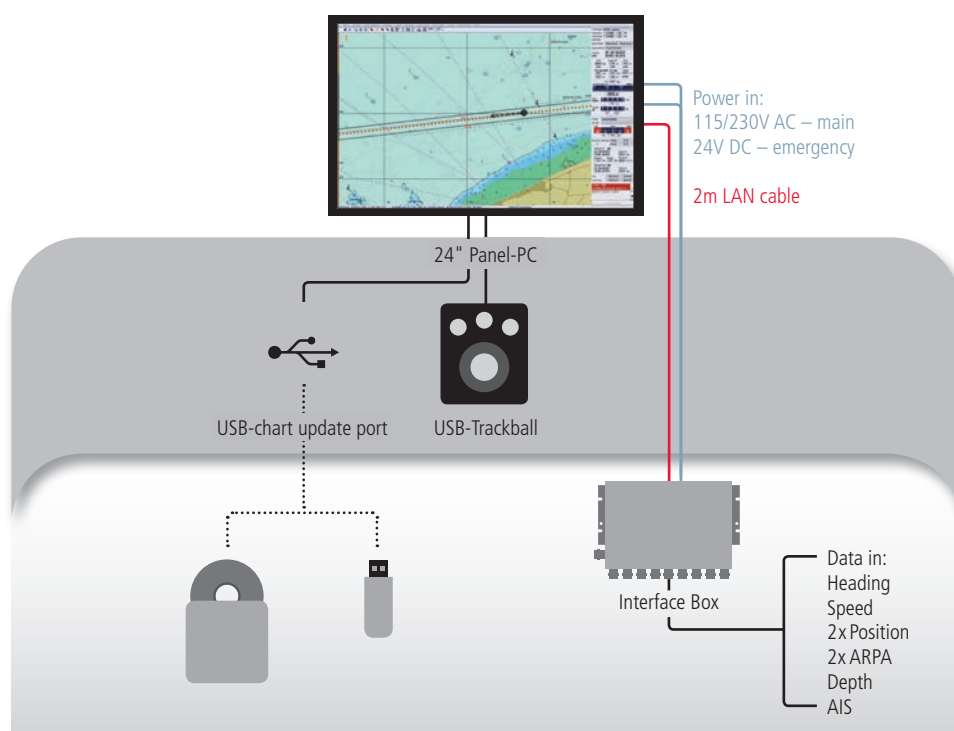
ECDIS 24 is based on clear display design, easy-to-operate menu structures and comfortable functionalities. Proven in thousands of installations, a Raytheon Anschütz ECDIS offers a multitude of benefits that support the crew in their daily work to enhance reliability, safety and efficiency in bridge operations.
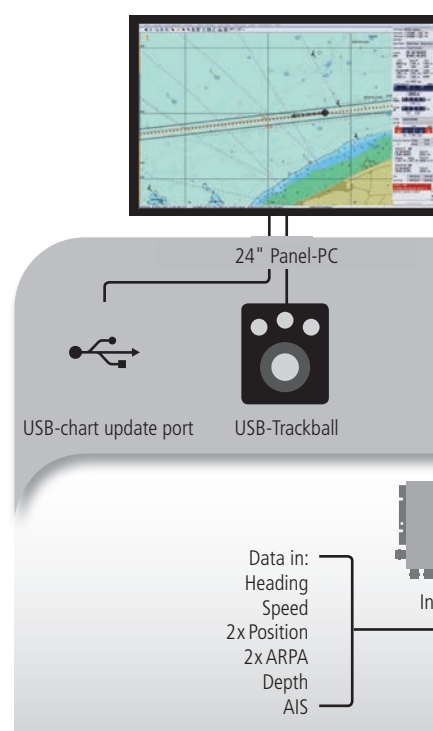
➡ BENEFITS AT A GLANCE

- Complete ECDIS package for easy installation / retrofitting
- Fully compliant to IMO carriage requirements and paperless navigation
- Digital chart updates and T&Ps NTM eliminate time consuming maintaining of paper chart folios
- No risk of findings by port authority inspections due to the uncertainty associated with paper charts
- Based on cost-effective, powerful hardware
- Advanced ECDIS software improves safety and reduces workload
- Support of ENC, C-Map T&Ps and BA-ARCS chart standards
- Lifetime support (rules & regulations, worldwide support)
- Free ECDIS training included

Power in:
115/230V AC – main
24V DC – emergency

2m LAN cable

24" Panel-PC

USB-chart update port   USB-Trackball

Interface Box

Data in:
Heading
Speed
2x Position
2x ARPA
Depth
AIS

Stand-alone ECDIS 24 system

24" Panel-PC

USB-chart update port   USB-Trackball

Data in:
Heading
Speed
2x Position
2x ARPA
Depth
AIS

In

Dual ECDIS 24 system
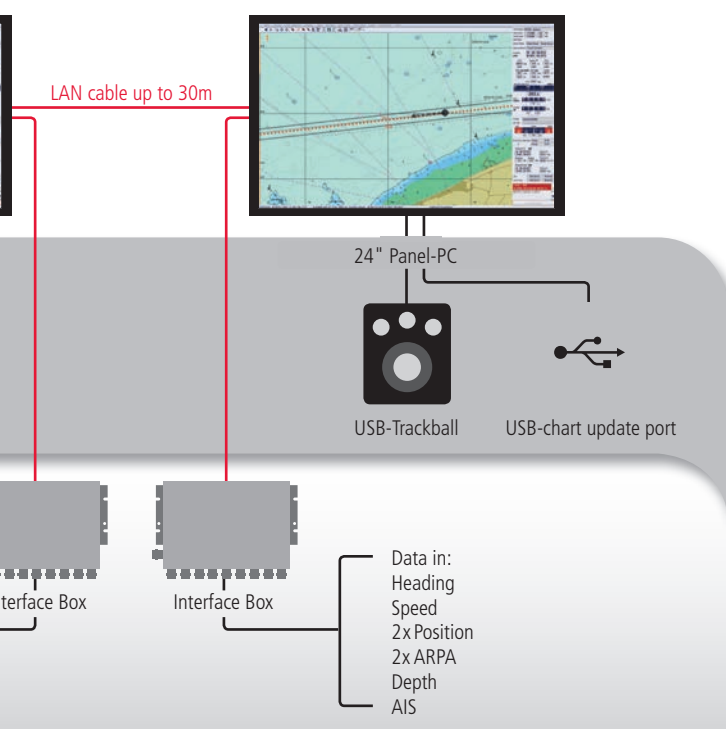
MADE FOR COST-EFFECTIVE ECDIS RETROFITS

ECDIS 24 comes as a complete package, engineered with a focus on fast and simple installation within an existing wheelhouse surrounding. There is no need to add expensive UPS systems or additional interface boxes.

- Flat 24" TFT-panel-PC (16:9) with glass front and LED-backlight
- Long-life solid-state disk (SSD) memory (no moving hard disk)
- Low-noise fan for silent bridge operation
- 115 & 230 V AC and 24V DC input (max. 125W max. backlight) 50W typ. (This makes it possible to use AC power as primary power and a 24V battery buffered secondary power supply eliminating the need for expensive UPS systems)
- Separate serial data interface box with a total of 8 in- & outputs according to IEC61162-1/-2/-4, for example for gyro, echo sounder, AIS and ARPA target integration
- Stainless steel IP 68 trackball
- Mobile DVD-drive with USB connector for chart/software upload
- Brackets for easy console/panel mount (option: table mount)
- 30m LAN patch cable for double ECDIS 24 (option)

SMART SYSTEM FOR SAFETY AND EFFICIENCY

ECDIS 24 provides all necessary information and offers helpful functions for the planning and the monitoring of routes which not only improve safety and ship's efficiency but also reduce workload for the operator:

- Automatic route planning (using C-Map professional + database) simplifies route planning
- Worldwide temporary and preliminary notices to mariners (T&Ps) with C-Map professional + database
- AIS target and ARPA target integration for a better overview of traffic situation
- Increased safety of operation by enhanced situational awareness supported by the ECDIS
- Automatic route planning reduces workload to the mariner
- Route check functions reduces risk of grounding
- Environmental database of tides and currents
- ETA calculation for dedicated waypoints
- Integrated conning panel for navigational information
- Weather overlay for route optimization and voyage planning reduces fuel consumption
- Radar video overlay (option)
- 24h log of data

LAN cable up to 30m

24" Panel-PC

USB-Trackball   USB-chart update port

nterface Box   Interface Box

Data in:
Heading
Speed
2x Position
2x ARPA
Depth
AIS

Weather overlay option!

PAPERLESS NAVIGATION

To fit out a vessel with two ECDIS offers, depending on the flag state and the area of operation, the benefit of paperless navigation. This means:

• Save money without paper charts
• Save overtime and manual corrections
• Save fuel / costs by optimizing your routes through automatic route planning and weather overlay
• Avoid trouble with port state control and delays
• Make your vessel attractive also for charterers

ECDIS TRAINING

In addition to a "Generic ECDIS Training" navigators now have to pass a manufacturer-specific ECDIS training for each ECDIS model before using the specific model onboard. Raytheon Anschütz offers ECDIS training ashore together with a large number of professional maritime training centers around the world and also approved ECDIS online-training courses.
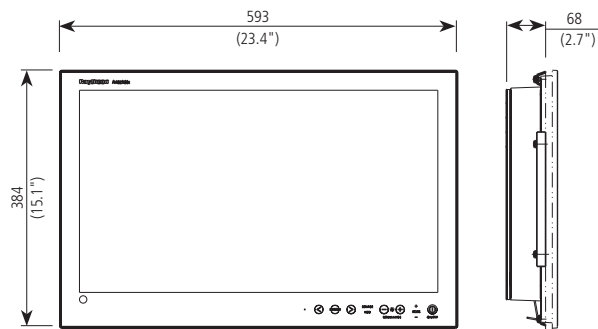
Visit our website for more information:
www.raytheon-anschuetz.com/ecdistraining/

TECHNICAL DATA

ECDIS 24 system

24" Panel-PC:
– Dimension: 593(W) x 384(H) x 76,4(D) mm
– Weight: app. 12kg
– Power supply: 115 / 230 V AC and 24 V DC / 50W typ., max.150W for max. brightness
– Magnetic safe distance: 1,15m/0,7m
– Type of enclosure acc. To IEC/EN 60529: IP22 / IP66 front sided
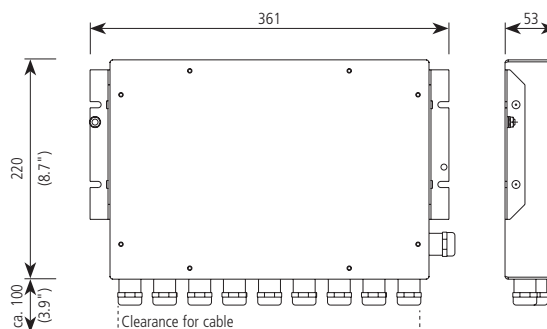– Interface: 2x LAN, 4x USB, 2x PS/2

Trackball:
– Dimension: 100(W) x 116(H) x 50(D) mm
– Weight: app. 0,6kg
– Power supply: via USB-connection cable from panel-PC
– Magnetic safe distance: 0,45m
– Type of enclosure acc. To IEC/EN 60529: IP68 front sided
– Interface: USB
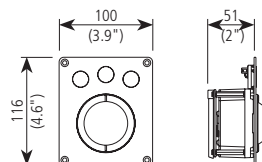
Interface box:
– Dimension: 360(W) x 52(H) x 247(D) mm
– Weight: app. 1,7kg
– Power supply: 9 to 36V DC / 2W
– Magnetic safe distance: 0,4m

Technical diagrams, subject to change without notice.
Errors excepted.
Please contact us for latest information.