

K-Bridge ECDIS



KONGSBERG



Electronic Chart Display and Information System

K-Bridge ECDIS (Electronic Chart Display and Information System) is a navigation information system that displays operator-selected information from ENC's (electronic navigational charts) along with data from the vessel's navigation sensors.

Sensor data displayed includes the vessel's position, heading and speed, but depth and other sensor data can also be displayed.

K-Bridge ECDIS is designed to assist the mariner to perform route planning and route monitoring with maximum safety.

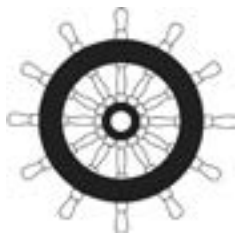
K-Bridge ECDIS has an attractive user interface with a high resolution colour display and a carefully designed operator panel.

The system uses official vector charts, and is also compatible with ARCS from the United Kingdom Hydrographic Office.

Benefits

- Certified cyber-secure.
- Continuous monitoring of own-ship in relation to route plan and waters being sailed.
- Displays up to 100 tracked radar targets.
- Voyage recording and replay.
- Echo-sounder monitoring and recording of chart depth information.
- Optional dedicated operator panel for ease of operation.





Features

- 27" flat panel display (TFT)
- ENC: S-63 and S-57 Edition 3 (official charts)
- Vector charts: AVCS (UKHO), Navtor, Primar
- Raster charts: ARCS (UKHO) or Seafarer (AHO)
- Radar overlay from K-Bridge Radar
- Route planning and validation
- Continuous monitoring of own-ship in relation to route plan and waters being sailed
- Displays up to 100 tracked radar targets
- Displays targets and information from AIS
- Voyage recording and replay
- EBL/VRM tools give correct range and bearing from own ship
- Remote control of K-Bridge Autopilot, including track-keeping functions
- Echo-sounder monitoring and recording of chart depth information
- Navtex interface
- Optional dedicated operator panel for ease of operation

Technical data

Standards

- IMO Res.A.694(17)
- IMO Res.MSC.191(79)
- IMO Res.MSC.232(82)
- IMO SN.1/Circ.266
- IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008)
- IEC 61162-1 (2010) and IEC 61162-1 (2016)
- IEC 61162-460 (2024)
- IEC 61174 (2008)
- IEC 62288 Ed. 1.0 (2008)

Type approval

The K-Bridge ECDIS is approved in accordance with EU MED 96/98/EC A.1/4.30 as an Electronic Chart Display and Information System (ECDIS).

Dimensions

Console (typical):

Height	Width	Depth	Weight
1200mm	650 mm	859 mm	61 kg

Electrical

Input voltage	115/230 VAC
Frequency	50/60 Hz
Power consumption	Max. 500 W (incl. computer)

Environmental specifications

In compliance with IEC 60945

LAN

K-Bridge ECDIS can communicate with:

- K-Bridge Radar
- K-Bridge Multi Functional Display
- K-Bridge Conning
- K-Bridge Autopilot
- K-Bridge Sensor Integrator
- K-Chief Vessel automation system
- K-Pos Dynamic positioning system
- VDR - Voyage Data Recorder

Display

Size	27", 32", 43", 55"
Resolution	1920 × 1080 pixels