

Electronic Chart Display and Information System

Features

- 23" flat panel display (TFT)
- ENC: S57 Edition 3 (Official charts) and S63 (Primar[®]) Security scheme
- Vector charts: CM-93/3 and CM-93/2 from C-Map
- Raster charts: ARCS (UKHO) or Seafarer (AHO)
- Radar overlay from K-Bridge ARPA
- Route planning and validation
- Continuous monitoring of own ship in relation to route plan and waters
- Displays up to 100 tracked radar targets
- Displays targets and information from AIS (Automatic Identification System)
- Voyage recording and replay
- EBL/VRM gives the correct range and bearing from own ship
- Remote control of K-Bridge Autopilot, providing track-keeping functions
- Echo sounder monitoring and recording of chart depth information
- Navtex interface
- IMO defined functions
- Dedicated operator panel for ease of operation

Options

- Slave displays with dedicated operator panel



Description

K-Bridge ECDIS (Electronic Chart Display and Information System) is a navigation information system that displays selected information from the electronic navigational charts with positional information from navigation sensors. The system is designed to assist the mariner in route planning and route monitoring, and by displaying additional navigation-related information.

K-Bridge ECDIS provides an attractive user interface with a high resolution colour display and a carefully designed operator's panel. The system uses official vector charts and accepts CM-93 vector charts from C-Map and is compatible with ARCS from The United Kingdom Hydrographic Office. This means a world-wide coverage of electronic charts.

Standards Applied

The equipment is designed to conform to the following standards:

- IEC 61174 Ed.2.0 ECDIS Operational and Performance Requirements. Method of Testing and Required Test Results
- IMO Resolution A.817 (19), Performance Standard for Electronic Chart Display and Information Systems
- IEC 60945 Ed.3.0 Marine Navigational equipment, General Requirements. Methods of Testing and Required Test Results
- NMEA 0183 version 2.30 Standard for interfacing Marine Electronic Devices
- IEC 61162 Ed.2.0 Maritime navigation and radio communication equipment and systems – Digital interfaces
- AIS interface is compatible with ITU-R M.1371 and IEC 61993-2

Dimensions

Console:

	Height	Width	Depth	Weight
Slim	1200mm	650mm	859mm	≈61kg
Deep	1150mm	650mm	1100mm	≈65kg

Electrical

Input voltage:	230 VAC +/- 10%
Frequency:	50/60 Hz +/- 5%
Power consumption:	340 W

Environmental Specifications

In compliance with IEC 60945.

LAN

K-Bridge ECIDS can be configured to 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
- MBB[®] - Kongsberg Voyage Data recorders using single or dual LAN.

Display

Resolution:	1600x1200 pixels
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Cabinet Specifications

Material:	Aluminium /ANSI 316
Protection standard:	IEC 60945 Protected Environment
Colour, black:	NCS S 9000-N (RAL 9005)
Colour, white aluminium:	RAL 9006

