K-BRIDGE RADAR

KONGSBERG

RADAR DISPLAY AND CONTROL UNIT

K-Bridge Radar provides the operator with radar video and tracking on a state-of-the-art radar display and control unit. The system is easy to use, and all the most frequently used controls are directly available from the operator panel.

FEATURES

- Radar display can be either a dedicated radar console or multi-functional display unit, switchable between Radar, ECDIS and Conning
- Square radar picture which means a 27% larger radar coverage on the screen
- 26" flat panel colour display (TFT)
- Dedicated operator panel for ease of operation
- Digital transmission of radar signals (GigE) for minimum signal loss
- Manual and automatic radar target acquisition and tracking
- Charts displayed as underlay to the radar video
- Instant update of trails (afterglow) when adjusting clutter settings
- Trails maintained after a reset of the screen centre and after changes of range scale
- Gyro-stabilized head-up presentation mode making True trails available on a head-up display
- Manual and automatic clutter reduction with instant response in the radar picture

- Relief background for improved detection of moving or weak targets
- Echo stretch
- Integrated handling of the navigation sensors, providing the best set of own-ship data (position, course and speed)
- Presentation of targets from AIS
- Target speed up to 100 knots relative
- Eleven range scales (0.125-96 nm)
- Bearing scale that always gives the correct bearing from own ship
- Three colour palettes give easy adjustment of the radar picture for the current light conditions
- Two Electronic Bearing Lines/Variable Range Markers (EBL/VRM)
- Remote control of K-Bridge Autopilot in Heading, Course, Waypoint and Track control mode
- Monitoring of sailing routes

TECHNICAL SPECIFICATIONS

DIMENSIONS

Console

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

Radar to LAN Interface (RIN)

Height	Width	Depth	Weight
400 mm	400 mm	210 mm	9 kg

ELECTRICAL

Input voltage:	115/230 VAC +/- 10%
Frequency:	50/60 Hz +/- 5%
Power consumption:	340 W

CABINET SPECIFICATIONS

Material:	Aluminum /ANSI 316
Protection standard:	IEC 60945 Protected Environment
Colour, Black:	NCS S 9000-N (RAL 9005)
Colour, White Aluminum:	RAL 9006

DISPLAY

Resolution 26":	1920x1200 pixels

ENVIRONMENTAL SPECIFICATIONS

In compliance with IEC 60945.

ELECTRONIC CHARTS

The following charts are supported:

- ENC: S-63 and S-57 Edition 3 (official charts)
- Vector charts: AVCS (UKHO), Navtor, Primar, Jeppesen/C-Map

LAN

K-Bridge Radar can be configured to communicate with:

- K-Bridge ECDIS
- 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

TYPE APPROVAL

The K-Bridge Radar is approved in accordance with EU MED 96/98/EC annex A.1/4.38 (as Radar equipment CAT 1 with Chart option) and annex A.1/4.34 (as Radar equipment CAT 1).

Specifications subject to change without any further notice.