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.

**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**

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slim</td>
<td>1200 mm</td>
<td>650 mm</td>
<td>859 mm</td>
<td>ca 61 kg</td>
</tr>
<tr>
<td>Deep</td>
<td>1150 mm</td>
<td>650 mm</td>
<td>1100 mm</td>
<td>ca 65 kg</td>
</tr>
</tbody>
</table>

**Radar to LAN Interface (RIN)**

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400 mm</td>
<td>400 mm</td>
<td>210 mm</td>
<td>9 kg</td>
</tr>
</tbody>
</table>

## 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.