Description
The K-Nav Planning Station is a “back-office” station for the K-Nav bridge navigation system. It is primarily designed for voyage planning and chart management. The station can be interfaced to Kongsberg Remote Services, giving access to: chart update services, NMs (notices to mariners), weather forecasts, harbour information, anti-piracy information, remote support, and other special services available to mariners and required by vessel owners (such as shore-based tracking and management of vessels at sea).

Benefits
• The same comprehensive and flexible route planning facilities as are available on K-Nav ECDIS.
• As the route is being planned, it is checked by the system against the vector chart database. When the planned route crosses the user-specified safety contour or the border of a restricted access area, warnings are issued.
• Route monitoring can be performed.
• K-Nav Planning Station can display radar video (from a selected radar display) as an overlay on the chart.

As an alternative to receiving chart updates from Kongsberg Remote Services, it is possible to perform chart mirroring from the Planning Station to the K-Nav ECDIS and K-Nav Radar operator stations.

• Integrated system-wide palette, alert acknowledgement, and alert sound-off controls.
• Routes can be exported to other KM operator stations (over the LAN) or to third-party systems over a serial connection.
• A Site Map option allows non-ECDIS (AutoCAD or GeoTIFF) data to be displayed on the chart.
• A Survey option allows surveys to be planned and performed.
• A Wind Farm Route Planning option allows routes to be planned through a wind farm for a vessel that is making scheduled service or delivery stops at several turbines. The planned route uses up-to-the-minute weather and tide prediction data.
**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th><strong>PC</strong></th>
<th><strong>Display</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions:</td>
<td>338 x 379 x 100 mm</td>
</tr>
<tr>
<td>Weight:</td>
<td>7.6 kg (8.5 kg with mounting kit)</td>
</tr>
<tr>
<td>Input voltage:</td>
<td>115/230 VAC (autosense)</td>
</tr>
<tr>
<td>Frequency:</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Power consumption:</td>
<td>Approx. 240 W</td>
</tr>
<tr>
<td>Network connection:</td>
<td>10/100 Mbit Ethernet, using standard RJ45 connector.</td>
</tr>
</tbody>
</table>

**Display**

- **Dimensions:** 556 x 362 mm
- **Weight (with stand):** 6.6 kg
- **Resolution:** 1920 x 1200
- **Input voltage:** 90 to 265 VAC
- **Input frequency:** 50-60 Hz
- **Power consumption:**
  - 40 W (max)
  - 35 W (typical)
  - 0.5 W (sleep)
  - 0.5 W (off)
- **Operating temperature:** 5°C to 35°C
- **Storage temperature:** -20°C to 60°C
- **Relative humidity:** 20 to 80%
- **Enclosure protection:** IP20
- **Energy efficiency compliance:** ENERGY STAR® qualified